Volume V - Waste Management Systems

Hazardous Waste Management Facility Operating License Renewal Application

Petro-Chem Processing Group of Nortru, LLC (Petro-Chem)
MID 980 615 298; Waste Data Systems Number 399102
421 Lycaste Street, Detroit, Michigan

Prepared for
Petro-Chem Processing Group of Nortru, LLC (Petro-Chem)

June 2022

Proj. No. 22821113.05

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Section 1

Use and Management of Containers (C1)

FORM EQP 5111 ATTACHMENT TEMPLATE C1
USE AND MANAGEMENT OF CONTAINERS

R 299.9614 of the administrative rules promulgated pursuant to Part 111, Hazardous Waste Management, of Michigan's Natural Resources and Environmental Protection Act, 1994 PA 451, as amended (Act 451); R 29.4101 to R 29.4505 promulgated pursuant to the provisions of the Michigan Fire Protection Act, PA 207, as amended (Act 207); and Title 40 of the Code of Federal Regulations (CFR) §§270.14(d), 270.15, and Part 264, Subpart I, establish requirements for the use and management of containers. All references to 40 CFR citations specified herein are adopted by reference in R 299.11003.

This license application template addresses requirements for the use and management of containers at the Petro-Chem facility in Detroit, Michigan. This template addresses the condition of containers, compatibility of waste with containers, management of containers, inspections, containment, special requirements for ignitable or reactive waste, special requirements for incompatible wastes, and closure.

(Check as appropriate)

Applicant for Operating License for Existing Facility:

☒ R 299.9614 use and management of containers

Applicant for Operating License for New, Altered, Enlarged, or Expanded Facility:

☐ R 299.9614 use and management of containers

☞ *More than one box may be checked, if the facility has an existing container storage area and will construct a new container storage area.*

This template is organized as follows:

INTRODUCTION
C1.A DESCRIPTION OF CONTAINERS
C1.B CONDITION OF CONTAINERS
C1.C COMPATIBILITY OF WASTE WITH CONTAINERS
C1.D MANAGEMENT OF CONTAINERS
C1.E INSPECTIONS
C1.F CONTAINMENT
- *C1.F.1 Secondary Containment System Design and Operation for Containers with Free Liquids*
  - *C1.F.1(a) Requirement for Base or Liner*
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  - *C1.F.1(d) Control of Run-on*
  - *C1.F.1(e) Removal of Liquids from Containment System*
- *C1.F.2 Secondary Containment System Design and Operation for Containers with No Free Liquids*
  - *C1.F.2(a) Containment System Drainage*

C1.F.2(b) Container Management
C1.G SPECIAL REQUIREMENTS OF IGNITABLE OR REACTIVE WASTE
C1.H SPECIAL REQUIREMENTS FOR INCOMPATIBLE WASTES
C1.I CLOSURE

📖 "Guidance for Permit Writers: Facilities Storing Hazardous Waste in Containers." EPA Publication PB88-105689.

INTRODUCTION

The facility container storage areas comply with *container performance standards. The following is a summary of the container storage areas located at the facility. Additional description of the use of these areas is described in Volume V Section 5 Process Descriptions. A list of the permitted container storage areas and volumes has been provided in Volume V, Section 1, Appendix II Table 1.*

The 2012 permit provided a total of 385,399 gallons of container storage capacity shared by twelve (12) container storage areas. The 2019 permit modification added 54,000 gallons of container storage area in the TS1 transfer pad and 24,000 gallons of container storage in the TS2 transfer pad area. However, the 2019 permit modification did not increase the overall facility storage capacity by the corresponding 78,000 gallons, the 2019 new storage areas simply provided alternative storage locations.

The 2022 permit application includes two new storage areas with no increase in overall permitted capacity. The two new areas include a new CMB2 container management building and the reinstatement of the previously permitted Dock 2 hazardous waste storage area. The 2022 permit reallocates storage capacity from other permitted areas or tanks and does not increase the overall permitted capacity of the facility. The total proposed new permitted square footage was determined to be 25 percent of the current permitted space. The proposed new permitted square footage associated with CMB2 and Dock 2 areas will not exceed 50 percent of currently permitted space and therefore the facility is not considered to be a "new, altered, enlarged or expanded" facility. A table showing square footage for the proposed and currently permitted areas has been provided in Volume V, Section 1, Appendix II Table 2, Square Footage

New Container Management Building CBM2

The facility plans to build a new container management building (CMB2) north of the existing TS4 transfer pad where the old non-RCRA regulated tank farm is located. Storge capacity for the CMB2 building will be reallocated from RCRA tanks S69, S70, S71 and S72 (46,956 gallons of permitted capacity) which have been permanently taken out of service. The new CMB2 building will be designed with an improved drum pumping area to provide a safer work place for workers transferring / commingling liquids from drums and other containers into the existing tank systems. It is proposed that the new CMB2 building will be designed to control emissions from the container loading/unloading or commingling operation by capturing the air in the building and controlling it through an activated carbon system. The enclosure of the loading/unloading operations as well as the addition of the activated carbon system will result in a reduction of volatile organic compounds (VOCs). The carbon system will also be connected tank vapor balance system to control emissions from the vapor balance system.

Existing Dock 2

Dock 2 was previously designed and permitted to manage hazardous waste but is currently only permitted to manage universal and non-hazardous waste. For this permit application we propose to reinstate Dock 2 for hazardous waste storage. To offset the potential increase in overall storge capacity, the facility will reallocate 4,080 gallons of storage capacity from SBS Solids storage area dock (Map ID 24) to Dock Number 2.

Other 2022 Changes

The 2019 permit modification added the four new temporary (72 hour) storage areas grouped together and designated the "CMB Temporary Storage". The four areas included the TS3 Transfer Pad, TS4 Transfer Pad, the QA/QC Area and the Pump Room. In this 2022 permit application we are proposing the following for each area:

1. *TS1, Tank System 1 Transfer Pad. The facility will continue to use this area for fingerprinting and offloaded. The facility proposes to change/remove the 72-hour storage limit to make this area standard RCRA storage to allow flexibility in the timing of the offloading of the containers once they have been fingerprinted.*
2. *TS2, Tanks System 2 Transfer Pad. The facility will continue to use this area for fingerprinting and offloaded. The facility proposes to change/remove the 72-hour storage limit to make this area standard RCRA storage to allow flexibility in the timing of the offloading of the containers once they have been fingerprinted.*
3. *QAQC Building: The facility plans to extend the existing partial roof covering over the QAQC storage area to the entire area and change the 72-hour temporary storage to standard RCRA storage. In addition to the new building and roof, the construction improvements will include improvements to the floor and secondary containment. This area will continue to be named the QAQC area. The new QAQC building will have capacity for 37,119 gallons or 975 drum equivalent containers. The capacity for this area will be reallocated from the 37,119-gallon capacity previously designated for the "CMB Temporary Storage".*
4. *Pump Room: The current CMB pump room operation will be moved from the existing CMB to the new CMB2 once the building has been completed.*
5. *TS3- Transfer Pad container storage: For this permit application, we are proposing to remove the 72-hour storage limit from this transfer pad, changing it to standard RCRA storage. To account for this new capacity, the facility will reallocate 7,960 gallons of storage from SBS Container Storage Room (Map ID 23) to the TS3 Transfer Pad.*
6. *TS4- Transfer Pad 4 container storage: For this permit application the facility also proposes to remove the 72-hour storage limit for the TS4. TS4 rea will eventually be the dock for the new CMB2. TS4 will still be designed to unload / load tanker truck but will no longer be used to store containers once the new CMB2 is constructed.*
7. *72 hour Truck Park Pad. The facility is proposing to increase the permitted volume of the truck parking area from the current 20,000 gallons to 30,000 gallons, a 10,000-gallon increase in capacity. The increase in permitted capacity is to align the permitted capacity of this area with the designed capacity. The truck pad was designed and constructed to accommodate 46,956 gallons of van trailer storage. The proposed increase will not be added to or increase the overall facility permitted capacity and will be well below the designed capacity. The additional 10,000 gallons will allow for better use of the Truck Park Pad and allow better staging and management of van trailers.*

C1.A DESCRIPTION OF CONTAINERS
[R 299.9614 and 40 CFR §264.171]

All outer packages used for the storage of hazardous wastes generated or received from off-site sources will be DOT specification containers and compatible with the contents. Containers typically range in size from lab pack inner container of few ounces to non-bulk 55-gallon drums to bulk containers or IBC totes greater than 119 gallons. The containers may be constructed of fiber, steel or plastic drums, pails, totes, boxes, or jerricans. A summary of DOT container types is included in Volume V, Section 1, Appendix I.

C1.B CONDITION OF CONTAINERS
[R 299.9614 and 40 CFR §264.171]

All containers are inspected upon arrival at Petro-Chem for structural integrity and compatibility with its contents as part of receiving process. An impaired container will be overpacked using a steel salvage drum for non-corrosive wastes and a poly salvage drum for corrosive wastes. Overpacking the drum is achieved by lifting and placing the container in the appropriate salvage drum upright through the use of a forklift attachment, if it is not safe to do so manually. All containers are inspected daily during storage to ensure the container remains intact without any leaks. If an impaired container is found while in storage, it will be overpacked using the method described above.

C1.C COMPATIBILITY OF WASTE WITH CONTAINERS
[R 299.9614 and 40 CFR §264.172]

All containers arriving at Petro-Chem are inspected for suitability with its contents. All containers are evaluated in accordance with 49 CFR Part 178, Specifications for Packaging and all containers that do not meet this specification, will be repackaged to this specification prior to storage.

C1.D MANAGEMENT OF CONTAINERS
[R 299.9614 and 40 CFR §264.173]

Containers are staged at one of the 10 CMB load/unload docks. Once the new CMB2 building is constructed, some trailers may be unloaded at the new CMB2 building. After sorting, inspections are conducted, and samples taken and analyzed for relevant parameters in accordance with the Waste Analysis Plan. Inspections will include container integrity, container closure requirements and proper labeling.

Compatible waste streams as determined by laboratory testing are then conveyed for consolidation/comingling and/or storage at one of the designated storage areas. Consolidation and comingling may occur between containers for from containers into to one of the tank systems. Incompatible wastes are separated and placed into one of the storage areas physically separated from the other waste storage.

All containers are emptied to comply with 40 CFR 261.7(b)(1)(ii). Empty containers from the drum pumping activities, or labpack / depacking area may be crushed and recycled as a usable scrap steel, reused, or transported intact to an offsite drum reconditioner.

All containers are properly staged for sampling and consolidation. The container lid is opened just prior to these activities and closed right after sampling or consolidation has been completed.

C1.E INSPECTIONS

[R 299.9614 and 40 CFR §264.174]

The facility's inspection program has been provided in Volume I, Section 4 using the EGLE form A5. Examples of the Daily and Weekly container and container storage are inspection forms are provided in Appendix 1 and 2 to form A5.

C1.F CONTAINMENT

[R 299.9614 and 40 CFR §§264.175 and 270.15]

C1.F.1 Secondary Containment System Design and Operation for Containers with Free Liquids

[R 299.9614 and 40 CFR §§264.175(a) and 270.15(a)]

All of the container storage areas are designed with secondary containment for liquid waste containers. Secondary containment design specification drawings have been provided in Volume II, Section 2. See Drawings:

- Container Management Building (CMB) Containment Areas, Drawing Set 2, drawing G-5.
- Container Management Building-2 (CMB2) which also the new the new QCQC containment area in Drawing Set 3.
- Containment for the Dock 2, Transfer Pads; TS1, TS2, TS3 and TS4 are provided in Volume II, Section 2, Drawing Set 1 "Original Drawings".
- The Truck Pad containment detailed drawing are located in Drawing Set 1 "Original Drawings", PCPI 63 and 63B

C1.F.1(a) Requirement for Base or Liner

[R 299.9614 and 40 CFR §§264.175(b)(1) and 270.15(a)(1)]

Container storage area concrete containment areas are sealed with an epoxy coating which is impervious and will contain any leaks or spills in the area. The regular container storge areas include an inspection of the floor for cracks or gaps. Container storage areas are located indoor/covered areas and therefore accumulation of precipitation is not an issue. However, if precipitation does accumulate in any of the container storage areas there is sufficient containment capacity to allow for detection, collect and removal of any accumulated precipitation.

C1.F.1(b) Containment System Drainage

[R 299.9614 and 40 CFR §§264.175(b)(2) and 270.15(a)(2)]

Secondary containment design specification drawings have been provided in Volume II, Section 2. See Drawings:

- Container Management Building (CMB) Containment Areas, Drawing Set 2, drawing G-5.
- Container Management Building-2 (CMB2) which also the new the new QCQC containment area in Drawing Set 3.
- Containment for the Dock 2, Transfer Pads; TS1, TS2, TS3 and TS4 are provided in Volume II, Section 2, Drawing Set 1 "Original Drawings".
- The Truck Pad containment detailed drawing are located in Drawing Set 1 "Original Drawings", PCPI 63 and 63B

C1.F.1(c) Containment System Capacity
[R 299.9614 and 40 CFR §§264.175(b)(3) and 270.15(a)(3)]

Secondary containment design specification drawings have been provided in Volume II, Section 2. See Drawings:

- Container Management Building (CMB) Containment Areas, Drawing Set 2, drawing G-5.
- Container Management Building-2 (CMB2) which also the new the new QCQC containment area in Drawing Set 3.
- Containment for the Dock 2, Transfer Pads; TS1, TS2, TS3 and TS4 are provided in Volume II, Section 2, Drawing Set 1 "Original Drawings".
- The Truck Pad containment detailed drawing are located in Drawing Set 1 "Original Drawings", PCPI 63 and 63B

C1.F.1(d) Control of Run-on
[R 299.9614 and 40 CFR §§264.175(b)(4) and 270.15(a)(4)]

All container storage areas have sufficient excess capacity in addition to the capacity required to contain 10 percent of the volume of containers.

In addition, the Container Management Buildings (CMB, CMB2 and QAQC), SBS Container Storage Area, SBS Solids Area, and 1st Floor Operations are indoor container storage areas.

TS1 transfer pad and TS2 transfer pad, Dock 3 Truck well (TS3), Dock 4 Truck well (TS4), Dock 2, and the SBS Dock Storage have a roof with sides that partially enclose the container storage areas.

C1.F.1(e) Removal of Liquids from Containment System
[R 299.9614 and 40 CFR §§264.175(b)(5) and 270.15(a)(5)]

All container storage areas are inspected daily to detect the presence of spilled, leaked and/or accumulated precipitation. Spills and leaks are addressed immediately upon detection and the removal of accumulated precipitation is initiated within 24 hours of detection.

Accumulated precipitation that may exist in the partially enclosed container storage areas will be pumped from these areas then evaluated for possible management through the Detroit Sanitary Sewer Collection System in accordance with Petro-Chem's current permit. Those that cannot be managed through the sewer collection system will be properly characterized and transferred off-site for further management. All spilled and leaked wastes will be proper characterized and managed based on the current data provided by the generator and the verification tests performed by Petro-Chem.

C1.F.2 Secondary Containment System Design and Operation for Containers with No Free Liquids
[R 299.9614 and 40 CFR §§264.175 and 270.15(b)(1)]

All container storage areas, including areas storing hazardous waste solids, have secondary containment systems.

C1.F.2(a) Containment System Drainage
[R 299.9614 and 40 CFR §§264.175 and 270.15(b)(2)]

Containment design and specification drawings have been provided in Volume II Section 2. See Drawings:

- Container Management Building (CMB) Containment Areas, Drawing Set 2, drawing G-5.
- Container Management Building-2 (CMB2) which also the new the new QCQC containment area in Drawing Set 3.
- Containment for the Dock 2, Transfer Pads; TS1, TS2, TS3 and TS4 are provided in Volume II, Section 2, Drawing Set 1 “Original Drawings”.
- The Truck Pad containment detailed drawing are located in Drawing Set 1 “Original Drawings”, PCPI 63 and 63B

C1.F.2(b) Container Management
[R 299.9614 and 40 CFR §§264.175 and 270.15(b)(2)]

All containers are stored on pallets or are otherwise elevated to protect the containers from contact with any liquids that may accumulate within the containment areas.

C1.G SPECIAL REQUIREMENTS FOR IGNITABLE OR REACTIVE WASTE
[R 299.9614 and 40 CFR §§264.176 and 270.15(b)(2)]

All containers that hold reactive or ignitable wastes are stored in areas that are a minimum of fifty feet from Petro-Chem’s property line.

C1.H SPECIAL REQUIREMENTS FOR INCOMPATIBLE WASTES
[R 299.9614 and 40 CFR §§264.177(c) and 270.15(b)(2)]

Reactivity tests are performed on wastes to be commingled to ensure incompatible wastes are not comingled into the same container. Container residues are also tested for reactivity to ensure the waste to be filled is not incompatible with the residue.

The CMB has separate walls for squirt protection between containment cells to prevent slightly incompatible materials from coming into contact in the event of a ruptured drum. All container storage areas have secondary overflow containment systems that are designed to maintain separation of possible incompatibles during any firefighting water addition. Peroxides, oxidizers, dangerous when wet and other reactive materials are stored in separate containment sheds on the 1st floor operations

C1.I CLOSURE
[R 299.9614 and 40 CFR §264.178]

Upon closure, all trans-shipment wastes in storage will be shipped off-site for recycling or disposal based on the generator’s request. The selection of the off-site disposal or recycling facilities will be based on the data available from the generator’s waste characterization report and the verification tests performed by Petro-Chem at the time of arrival. All containerized wastes that can be commingled or consolidated at the labpack processing area will be processed. All containerized fuel type wastes will be commingled then transferred to the tank systems for fuel blending then sent off-site to hazardous waste permitted boilers, industrial

furnaces (BIFs) or kiln for energy recovery. All soils beneath and around the container storage areas will be sampled, tested and managed according to the methods described in Volume I, Section 7, Form A11, Section A11.A5. The concrete container containment surfaces will be cleaned, and the cleaning solutions will be tested and appropriately disposed.

Appendix I

DOT Container Types

DOT CONTAINER TYPES

A sample UN Marking: **1H2 / Y1.8 / 100 / 06 / F / OA30900**	
UN	**The United Nations Coding System**
1	**Type of Container** 1. Drums/Pails 2. Barrels 3. Jerricans 4. Boxes 5. Bags 6. Composite Packagings
H	**Material of Construction** A. Steel B. Aluminum C. Wood D. Fiber E. Plastic
2	**Category Within Type** 1. Closed head 2. Open head
Y	**Packaging Group for which container was tested** X. for Packaging Group I, II, III Y. for Packaging Group II and III Z. for Packaging Group III Packaging Group I: Great Danger - high hazard level Packaging Group II: Medium Danger - medium hazard level Packaging Group III: Minor Danger - low hazard level
1.8	**Density or specific gravity of material packed** OR For packaging intended for Solids (powders, pills, capsules, tablets) or that have inner packaging, this marking will indicate the maximum gross mass (weight) in kilograms.
100	**Hydraulic pressure in kilo-pascal (kPa)** OR For packaging intended for Solids or that have inner packaging, an "S" in upper case will follow the gross mass.

DOT CONTAINER TYPES

UN	**The United Nations Coding System**
06	**Current year**
F	**Country where container was manufactured**
OA30900	**Code for manufacturing plant**

Appendix II

Container Inventory

Table 1
Petro-Chem Maximum
On-site Container Inventory

		2019 License	2022 Permit Application	2022 Change summary:
Map ID	**Container Storage Area Description**	**Maximum Inventory Allowed**	**Maximum Inventory Allowed**	
8	Truck Staqinq Area (Up to 72 hours Only)	363 containers or 20,000 gallons	545 containers or 30,000 gallons	Add 10,000 gallons to area but not to the total facility permitted capacity .
19	Tank Storage Area 1 (TS1) Transfer Pad during waste fingerprinting and offloading (Up to 72 hours Only)	Up to 6 Tanker Truck Trailers or Up to 3 Tanker Truck Trailers and Up to 3 Super Tanker Truck Trailers or 54,000 gallons	Up to 6 Tanker Truck Trailers or Up to 3 Tanker Truck Trailers and Up to 3 Super Tanker Truck Trailers or 54,000 gallons	Remove 72 hr limit
20	TS2 Transfer Pad during waste fingerprinting and offloading(Up to 72 hours Only)	Up to 2 Super Tanker Truck Trailers or 24,000 gallons	Up to 2 Super Tanker Truck Trailers or 24,000 gallons	Remove 72 hr limit
11	First Floor Operations Buildinq - North Storage	700 containers or 38,500 gallons	700 containers or 38,500 gallons	no change
1	CMB Container Stornqe Areas	3,888 containers or 213,840 qallons	3,888 containers or 213,840 gallons	no change
1	CMB Roll-Off Storage	1 roll-off box or 8,080 gallons	1 roll-off box or 8,080 gallons	no change
	~~**CMB Temporary Storage (Up to 72 hours only - TS3 Transfer Pad, TS4 Transfer Pad, QA/QC Area, Pump Room)**~~	~~675 containers or 37,119 gallons~~	*broken out into individual areas below. Change to Long Term Storage*	*broken out below*
16	**QAQC SunPorch**		675 container or 37,119 gallons *Standard RCRA Storage*	Remove 72 hr limits. Reallocated from previous CMB temp storage capacity.
14	**TS3 Transfer Pad**		145 containers or 7,960 gallons *Standard RCRA Storage*	Remove 72 hr limits 7,960 reallocated from SBS 25,
22	**CMB2 / TS4**		854 containers or 46,956 gallons *Standard RCRA Storage*	Remove 72 hr limits Reallocated from Tanks 69, 70, 71 and 72. These tanks are to be closed and removed from permit.
15	**Dock #2**		75 containers or 4,080 gallons Long Term Storage	Reinstate HW Storage Reallocated from SBS solids storage area roll off Map ID 23
10	Drum Dock #3	300 containers or 16,500 gallons	300 containers or 16,500 gallons	no change
9	Drum Dock #4	147 containers or 8,080 gallons	147 containers or 8,080 gallons	no change
23	SBS Container Storage Room 23 Storage	272 containers or 14,960 gallons	127 container or 7,000 gallons 32 pallets	Reallocated half to TS3
24	SBS Solids Storaqe Area (Solids Only) 24 Dock and Roll Off	1 roll-off box or 8,080 qallons	73 containers or 4,000 gallons 18 pallets	Reallocated half to Dock #2
25	SBS Dock Storage Area 25 DEA	368 containers or 20,240 gallons	368 containers or 20,240 gallons	no change
	Total Facility Container Storage Capacity in Gallons	**385,399**	**432,355**	Note: The increase in container storage is balanced out by an equivilant decrease in permitted tank storage below

		2019 Permit Mod	2022	Change summary:
	Tank System Description	**Inventory**	**Inventory**	
18	Tank System 1: Tanks 16-30	28,000 gallons each; 420,000 gallons total	28,000 gallons each; 420,000 gallons total	no change
21	Tank System 2: Tanks 35-40	28,000 gallons each; 168,000 gallons total	28,000 gallons each; 168,000 gallons total	no change
13	Tank System 3: Tanks S69, S70	13,277 gallons each; 26,554 gallons total	0	Reallocated to CMB2 TS4
13	Tank System 3: Tanks S71, S72	10,201 gallons each; 20,402 gallons total	0	Reallocated to CMB2 TS4
1	CMB Tanks: TK 001, TK 002	6,000 gallons each; 12,000 gallons total	6,000 gallons each; 12,000 gallons total	no change
	Total Tank Storage Capacity In Gallons	**646,956**	**600,000**	
	Total Maximum Allowed Hazardous Waste Storage Capacity for the Faciltiy, Tanks and Containers	**1,032,355**	**1,032,355**	

Area	AREA Map ID	sqft	sqft status	
CMB	1	12,723	existing	no change
CMB Tank	1	495	existing	no change
CMB Dock	1	3,687	existing	no change
CMB Drum	1	2,424	existing	no change
Truck Pad	8	9,200	existing	Keep 72 hr limit and Add 10,000 gallons, no increase in sqft or total permitted capacity.
Dock 4	9	1,272	existing	no change
Dock 3	10	1,282	existing	no change
1st floor operations	11	4,862	existing	no change
Tank area 3	13	1,222	existing	no change
TS3	14	1,423	existing	No new sqft.
Dock 2	15	3,077	New sqft	Reinstate HW Storage: Not currently permitted, new sqft in existing structure.
QAQC sunporch	16	7,525	existing	New building/enclosure over currently permitted area, No new sqft, change to standard RCRA storage
TS1 Tank Area	18	6,122	existing	reduction in capacity
TS1 Transfer Pad	19	2,177	existing	No new sqft.
TS2 Transfer Pad	20	1,300	existing	No new sqft.
TS1 Tank Area	21	2,997	existing	no change
CMB2 - new building	22	12,966	New sqft	Not currently permitted, new building and new sqft
SBS solids	23	492	existing	reduction in capacity
SBS Dock	24	1,540	existing	reduction in capacity
SBS Container Storage	25	1,286	existing	reduction in capacity
TS4 trans pad	26	1,692	existing	reduction in capacity
Total existing permitted		**63,721**	sqft	Existing HW permitted storage sqft. (Does not include proposed Dock 2 or CMB2)
New HW sqft		16,043	sqft	CMB2 and Dock 2
Percent increase in sqft		25%		Proposed increase in new hazardous waste storage sqft

Section 2

Tank Systems (C2)

FORM EQP 5111 ATTACHMENT TEMPLATE C2
TANK SYSTEMS

R 299.9615 and R 299.9627 of the administrative rules promulgated pursuant to Part 111, Hazardous Waste Management, of Michigan's Natural Resources and Environmental Protection Act, 1994 PA 451, as amended (Act 451); R 29.4101 to R 29.4505 promulgated pursuant to the provisions of the Michigan Fire Protection Act, PA 207, as amended (Act 207); and Title 40 of the Code of Federal Regulations (CFR) §§270.14(d), 270.16, 270.24, and 270.27 (Part 264, Subpart J and Part 60, Appendix A) establish requirements for tank systems. All references to 40 CFR citations specified herein are adopted by reference in R 299.11003.

This license application template addresses requirements for tank systems at the Petro-Chem facility in Detroit, Michigan. This template includes assessments of new and existing tank systems; installation of new tank systems; secondary containment systems and release detection; variances for secondary containment; controls and practices to prevent spills and overfills; inspections; response to leaks or spills and disposition of leaking or unfit-for-use tank systems; closure and postclosure requirements; requirements for storing or treating ignitable, reactive, or incompatible wastes.

This template is organized as follows:

(Check as appropriate)

☒ Existing Tank System Pre July 1987

☒ New Tank System

Note: Template C11, Subpart CC, Air Emissions from Tanks, Containers, and Surface Impoundments, addresses air emissions for tanks. Also note that while specific closure requirements for tank systems are addressed in this template, you may reference information in Template A11, Closure and Postclosure Care Plans.

This template is organized as follows:

C2.A ASSESSMENT OF EXISTING TANK SYSTEM
- C2.A.1 Design Standards
- C2.A.2 Dimensions and Capacity of Each Tank
- C2.A.3 Description of Feed Systems, Safety Cutoff, Bypass System, and Pressure Controls
  - C2.A.3(a) Feed Systems
  - C2.A.3(b) Safety Cutoff or Bypass Systems
  - C2.A.3(c) Pressure Controls
- C2.A.4 Diagram of Piping, Instrumentation, and Process Flow
- C2.A.5 Characteristics of Waste
- C2.A.6 Existing Corrosion Protection Measures
- C2.A.7 Documented Age of Tank System
- C2.A.8 Leak Tests, Inspections, and Other Examinations
  - C2.A.8(a) Nonenterable Underground Tanks
  - C2.A.8(b) Other than Nonenterable Underground Tanks and for Ancillary Equipment

C2.A.8(c) Internal Inspections
C2.A.9 Ancillary Equipment Assessment
C2.A.10 Leaking or Unfit-for-Use Tank Systems
C2.A.11 Tank Labels
C2.B ASSESSMENT OF NEW TANK SYSTEM
C2.B.1 Design Standards
C2.B.2 Dimensions and Capacity of Each Tank
C2.B.3 Description of Feed Systems, Safety Cutoff, Bypass System, and Pressure Controls
C2.B.3(a) Feed
C2.B.3(b) Safety Cutoff or Bypass Systems
C2.B.3(c) Pressure Controls
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Tank Systems Summary

Volume V, Section 5 includes a description of the process and identifies the locations of the current Tank Management Units at the facility. The areas included in the Tank Management Units are:

- Tank System 1 - RCRA Regulated, Existing Tank System
  Tanks 16 thru 30
  Also called the West Tank Farm

- Tank System 2 - RCRA Regulated, Existing Tank System
  Tanks 35 thru 40
  Also called the SBS Tank Farm

- CMB Tanks – RCRA Regulated, New Tank System.
  TK001, TK002 - RCRA Tanks

Non-RCRA Tank Systems:

- Tank System 3
  Tanks S12 and S13: DECOMISSIONED
  Tanks S61 thru S68: In Service, Non-RCRA regulated
  Tanks S69 thru S72: Previously RCRA Tanks – DECOMISSIONED

- Tank System 4
  Tanks S20 thru S75: Previously Exempt Tanks – DECOMISSIONED
  Tanks 42 and 43: Previously Exempt Tanks – DECOMISSIONED

- Solvent Distillation Group (SDG Tank Farm)
  Tanks R1 thru R8: Previously Exempt Tanks – DECOMISSIONED

- Fuel Oil Tanks for Boilers
  Tanks F1, F2 and F3: Previously Exempt Tanks – DECOMISSIONED

- all associated piping and containment devices.

Appendix I of this template provides a listing of all tanks located at the site, including all regulated tanks and non-regulated tanks. All tanks and piping used by the facility are located above ground. All tanks used for blending, and inbound are constructed of carbon steel or stainless steel. All tanks are grounded to prevent accumulation of static electricity generated during material transfers and carbon steel tanks are painted to reduce the potential for corrosion. The pH of the materials to be placed into each tank is determined and controlled as necessary to prevent corrosion. Materials used for construction of the tank systems are compatible with the materials accepted at the facility. Tanks are placarded to comply with the requirements of NFPA 704, Identification of the Fire Hazards of Materials, 1990 Edition.

Inspection of all tanks at the facility is carried out in accordance with 40 CFR 264.15 and includes tanks, containment units, and ancillary equipment. A copy of the inspection log is outlined in detail in the Inspection Section of this application. The facility inspects all the tank systems daily to detect corrosion or the release of waste, as well as areas immediately surrounding the externally accessible portion of the tank system, including secondary containment, to detect any release of hazardous wastes. Notations of the observations

made are recorded along with the date, time, and name of the inspector. Spilled materials discovered during this inspection are cleaned up by pumping or absorption, and the area decontaminated using detergents and/or high-pressure water spray. Collected spillage is treated onsite in the same method as the original material. Any deficiencies identified during the inspection are so noted in the inspection log along with the date and nature of the corrective action taken.

A tank farm inventory is taken daily, and analysis performed on each tank as required (Inspection Plan, Tank Farm Reports)

A. Locations, Capacities and Details

The Tank Management Units subject to this application include the Tank System 1 (West Tank Farm); Tank System 2 (SBS Tank Farm) and CMB Tanks TK001 & TK002.

B. Sequence of Bulk Handling Activities

1. Liquids

Bulk tankers entering the Petro-Chem site are directed to a sampling and staging area. The manifest is inspected, contents of the tankers sampled, and sample analysis performed in accordance with the Waste Analysis Plan prior to the tanker being unloaded.

After any required analysis is complete and the shipment accepted as described in the Waste Analysis Plan, the driver is directed to one of the unloading areas.

At the unloading area, operations personnel connect discharge hoses and the vapor balance hose to the tanker and unload the tanker to the assigned storage or blending tank.

The operations personnel then secure the valves and disconnect the tank wagon's liquid and vapor return hoses that were used. The open ends of the lines are capped. Tank wagons will then be inspected and/or weighed at a truck scale to verify that the tank is empty. If significant amounts of the manifested quantity of the waste cannot be removed and remains inside the tank wagon, the generator is contacted, and the discrepancy is handled using the procedures outlined in the Waste Analysis Plan.

2. Solids

Bulk solids received onsite in roll off containers may be directed to the staging and sampling area at the Site. Samples are obtained from the waste as described in the Waste Analysis Plan Section of this Application. Upon approval, the roll off container may be transferred to the unloading bay in the SBS Building.

Liquid waste suspension from the TS2 SBS, TS1 West & CMB Tank Farms are transferred to tankers for transportation to offsite licensed Hazardous Waste Boilers or Industrial Furnaces. Loading activities are conducted in the West PCPG and SBS Loading/Unloading Pad using procedures identical to those described for liquid wastes.

C. Bulk Liquid Loading/Unloading Areas

The PCPG site currently includes five loading/unloading areas for receiving and shipping bulk liquid waste feed stocks, liquid and hazardous waste fuels,

The TS1 (west tank system) & TS2 (SBS tank system) Loading/Unloading Pads for receipt and shipment of waste related materials. Each can accommodate up to 3 bulk tankers concurrently.

All loading/unloading areas at the facility are designed with reinforced concrete pads and integral curbing to prevent run-off and to identify, contain, collect materials by pumping or absorption, and allow decontamination by use of detergents and/or high-pressure water spray of any accidental release that may occur during loading/unloading operation. Each loading/unloading area is sufficiently impervious to prevent migration of contaminants to the surroundings.

1. Tank System 1, previously called the West Tank Farm, has a Loading/Unloading Pad (TS1 Transfer Pad) which includes a double sloped lined concrete pad with a center collection sump. All piping and ancillary equipment, including filters, are included within the concrete containment. This pad also has a canopy to reduce entry of precipitation.

3. Tanks System 2, previously called the SBS Tank Farm, has a Loading/Unloading Pad (TS2 Transfer Pad) which is located adjoining the TS2 Tank Farm to the south. Containment is provided by a monolithically poured microsillicate concrete, with a central collection trough. Additional containment volume is provided by channels into the TS2 Tank Farm. Up to two Tank Wagons can use this area at one time. A canopy covers the top and the west side of this area to minimize infiltration of precipitation. Precipitation and spillage is collected by portable pump or by vacuum loading truck as described below.

Explosion-proof pumps are used for transferring materials from bulk tankers in all areas. Bottom loading/unloading of bulk tankers is normally utilized to minimize the threat of fire or explosion, and to facilitate the use of a vapor balance system. The vapor balance system associated with the TS1 and TS2 Loading/Unloading Pads is employed for control of vapors from bulk loading/unloading activities and is described later in the tank farm discussion. A static grounding system is also utilized within all areas to minimize the potential for fire.

Any materials or precipitation that accumulates on the pads are removed using portable pumps or a vacuum truck or absorbed onto mops or absorbent. These collected run-on materials are currently either blended with the liquids in the fuels program or stored in the wastewater storage tank and sent off-site for treatment and/or disposal. Any remaining residues are then manually removed using high pressure water and/or detergents as deemed necessary.

Fire extinguishers and blankets, eyewash/showers and spill equipment are available for each loading/unloading pad (see Preparedness and Prevention Section). In addition, spill equipment may be located in the Operating Department for use in nonemergency spills. Bonding lines connected to the grounding system are installed at each station to dissipate static electricity that may be generated by material transfer operations.

D. Tank Farms

1. Tank System 1 (West Tank Farm)

The PCPG West Tank Farm includes tanks 16-30 for storage of inbound bulk waste, containerized waste from the CPS, and the blended fuel product. The tank systems are designed with agitators to maintain the homogeneity of the blend and to prevent settling of solids, emergency pressure/vacuum relief valves, flame arrestors, self-closing fire valves, a high-level alarm and a vapor balance system to the Tank Wagon Load/Unload areas.

The secondary containment) was designed in accordance with 40 CFR 264.193 and Michigan Administrative Rule R299.9615. Infiltration or released material within the secondary containment area is collected and removed using a vacuum truck or pump. Collected materials are returned to the fuels program or stored in the wastewater tank prior to transfer off-site for treatment and/or disposal. The surfaces of the containment area that have come in contact with the released materials are decontaminated with detergents and/or high-pressure water spray as necessary to remove any remaining residues.

4. Tank System 2 (SBS Tank Farm)

The SBS Tank Farm located in the northwest section of the site includes 6 tanks, numbered 35 to 40. The tanks are located within a containment device, designed to comply with 40 CFR 264.193 (b) - (f) and Michigan Administrative Rule R299.9615, and are equipped with external shields on the tank sides to prevent squirting of the contents past the dikes, High Level cutoffs to prevent overfilling, self-closing fire valves below liquid levels, and emergency pressure/vacuum relief vents. Water from precipitation infiltration is accumulated and removed from the tank containment device by pump or vacuum tank and handled as described for other containment units.

5. CMB Tanks

The CMB Tank Farm consists of two stainless steel tanks (TK001 & TK002) that are designed to receive the pumped fuel type material from non-bulk containers in the pump room. The tanks are located within a containment device, designed to comply with 40 CFR 264.193 (b) - (f) and Michigan Administrative Rule R299.9615, and are equipped with external shields on the tank sides to prevent squirting of the contents past the dikes, High Level cutoffs to prevent overfilling, self-closing fire valves below liquid levels, and emergency pressure/vacuum relief vents. Water from precipitation infiltration is accumulated and removed from the tank containment device by pump or vacuum tank and handled as described for other containment units.

E. Piping and Yard Area Ancillary Equipment

Piping and associated equipment in hazardous waste service at the facility is located above ground and provided with secondary Yard (overhead transfer) piping is situated in a welded steel trough that drains to the containment areas. If a pipe, flange or valve leaks, it would be easily identified, contained, collected using pumps, vacuum trucks, or absorbent, and decontaminated using detergents and/or high-pressure water spray, avoiding any risk to the environment while repairs are undertaken Accumulated waste would be returned to the process or transported

offsite for treatment based upon the treatment requirements for the Waste Codes. The ancillary equipment (flanges, valves, pumps, etc.) is regularly inspected and monitored as necessary for leaks, further reducing the potential for releases from the equipment.

Flex hosing is used in loading/unloading areas and where unacceptable cross contamination of product may occur. Hard plumbing is provided elsewhere throughout the site.

F. Emission Controls, Vapor Balance Systems:

Vapor Balance Systems are used at Tank Wagon Loading and Unloading Stations and TS1, TS2, and CMB tanks. These systems include a piping system that is connected to the Tank Conservation Vents on one end and to the Tank Wagon or second tank at the other end. When liquid materials are transferred between the Tank and the second unit, vapor laden gas displaced by the filling of the receiving unit is used to replace the volume of the transferred material in the sending unit.

C2.A ASSESSMENT OF EXISTING TANK SYSTEM

[R 299.9615(1) and 40 CFR, Part 264, Subpart J]

Written assessments that attest to each tank system's integrity reviewed and certified by an independent, qualified, registered professional engineer have been provided in Volume V, Section 2, Appendix II. The written assessment is kept on file at the facility. The assessments determine the tank systems were adequately designed and had sufficient structural strength and compatibility with the waste(s) to be stored or treated and will not collapse, rupture, or fail. The assessments verified that all tank systems were designed, constructed, operated, and maintained in compliance with the requirements of R 29.4101 to R 29.4505 pursuant to the provisions of Act 207. The assessments consider all of the criteria listed in C2.A.1 thru C2.A.11 below.

C2.A.1 Design Standards

[R 299.9615 \(1) and 40 CFR §264.191(b)(1)]

See Volume V, Section 2, Appendix II tank assessments and Volume II, Section 2 technical design drawings and specifications.

C2.A.2 Dimensions and Capacity of Each Tank

[R 299.9615(1) and 40 CFR §270.16(b)]

The dimensions and capacity for each of the tanks has been provided in Volume V, Section 2, Appendix I & II, Tank Summary Table. Additional tank appurtenances are provided in Volume II, Section 2 technical design drawings and specifications.

C2.A.3 Description of Feed Systems, Safety Cutoff, Bypass System, and Pressure Controls

[R 299.9615(1) and 40 CFR §270.16(c)]

A description of the tank system feed and transfer systems and process flow charts has been provided in Volume V, Section 5.

Technical design drawings and specifications showing the welded pipe, flanges and joints, location of valves, pumps and pipe shut off devices has been provided in Volume II, Section 2. Additional information is provided in Volume V, Section 2, Appendix I & II.

C2.A.3(a) Feed Systems
[R 299.9615(1) and 40 CFR §270.16(c)]

The tanks have been fitted with high level alarms and liquid transfer controls. Details on these systems has been provided in Volume II, Section 2 for technical design drawings and specifications and Volume V, Section 2, Appendix II tank assessments.

C2.A.3(b) Safety Cutoff or Bypass Systems
[R 299.9615(1) and 40 CFR §270.16(c)]

Safety cutoff / bypass system information is provided in Volume II, Section 2, technical design drawings and specifications.

C2.A.3(c) Pressure Controls
[R 299.9615(1) and 40 CFR §270.16(c)]

The tanks have been fitted with pressure relief valves, to ensure tanks do not exceed their designed operating pressures. The facility also operates a vapor recovery system to capture vapors during loading and transfers between tanks. Volume II, Section 2 contains technical design drawings and specifications for the tanks systems.

C2.A.4 Diagram of Piping, Instrumentation, and Process Flow
[R 299.9615(1) and 40 CFR §270.16(c)]

Detailed diagrams of the tank system's piping, instrumentation, vents, pumps, manways and piping have been provided in the technical design drawings and specifications found in Volume II Section 2. Process flow diagrams have been provided in Volume V Section 5.

C2.A.5 Characteristics of Waste
[R 299.9615(1) and 40 CFR §264.191(b)(2)]

A description of the hazardous characteristics of the waste(s) that are managed in the tank systems has been provided in Volume V, Section 5 process descriptions and process flow charts. The analytical characteristics of the waste managed in the tanks is describe in Chemical Physical Analysis Form A2 and corresponding Appendices.

Tank information and assessments have been provided in Volume V, Section 2, Appendix I & II and Volume II, Section 2 contains technical design drawings, specifications, and tank compatibility information.

C2.A.6 Existing Corrosion Protection Measures
[R 299.9615(1) and 40 CFR §264.191(b)(3)]

External corrosion protection required:

☐ External shell of metal tank will be in contact with soil or water.

☐ Any external metal components of the tank system will be in contact with soil or water.

All of the tanks are elevated off the ground and do not contact water or soil. All of the tanks are grounded and have been coated with corrosion protection. All of the tanks were repainted and labeled between 2018 to 2019. Tanks Technical design drawings and specifications for each tank has been provided in Volume II, Section 2. Volume V, Section 2 Appendix I of this template provides a listing of all tanks located at the site, including all regulated tanks and non-regulated tanks. All tanks and piping used by the facility are located above ground. All tanks used for blending, and inbound are constructed of carbon steel or stainless steel. All tanks are grounded to prevent accumulation of static electricity generated during material transfers and carbon steel tanks are painted to reduce the potential for corrosion. The pH of the materials to be placed into each tank is determined and controlled as necessary to prevent corrosion. Materials used for construction of the tank systems are compatible with the materials accepted at the facility.

Inspection of all tanks at the facility is carried out in accordance with 40 CFR 264.15 and includes tanks, containment units, and ancillary equipment. A copy of the inspection log has been provided in Volume I Section 4.

C2.A.7 Documented Age of Tank System
[R 299.9615(1) and 40 CFR §264.191(b)(4)]

Documentation of the age of the tanks has been provided in Volume V, Section 2, Appendix I & II and Volume II, Section 2 for technical design drawings and specifications.

C2.A.8 Leak Tests, Inspections, and Other Examinations
[R 299.9615(1) and 40 CFR §264.191(b)(5)]

Tank assessments have been provided in Volume V, Section 2, Appendix II.

C2.A.8(a) Nonenterable Underground Tanks
[R 299.9615(1) and 40 CFR §264.191(b)(5)(i)]

This section is not applicable.

C2.A.8(b) Other than Nonenterable Underground Tanks and for Ancillary Equipment
[R 299.9615(1) and 40 CFR §264.191(b)(5)(ii)]

Tank system assessments have been provided in Volume V, Section 2, Appendix II.

C2.A.8(c) Internal Inspections
[R 299.9615(1) and 40 CFR §264.191(b)(5)(ii)]

Tank assessments have been provided in Volume V, Section 2, Appendix II.

C2.A.9 Ancillary Equipment Assessment
[299.9615(1) and 40 CFR §264.191(b)(5)(ii)]

Tank system assessments have been provided in Volume V, Section 2, Appendix II.

C2.A.10 Leaking or Unfit-for-Use Tank Systems
[R 299.9615(1) and 40 CFR §264.191(b)(5)(ii)]

The tank assessments provided in Volume V, Section 2, Appendix II did not note any leaking or unfit-for-use tank systems. Therefore, this section is not applicable.

C2.A.11 Tank Labels
[R 299.9615 (5)]

The tanks have been properly labeled. Photos of the NFPA Standard No. 704 placards can be seen in the photographs provided in Volume II, Section 1.

C2.B ASSESSMENT OF NEW TANK SYSTEM

[R 299.9615(1) and 40 CFR §264.192]

The two CMB tanks, Tank 01 and Tank 02 were constructed in 2009 and therefore are considered a new tank system. The EGLE Application for Installation of Aboveground Storge Tanks, form EQP3859 for the two CMB tanks has been provided in Volume V, Section 2, Appendix 1.

C2.B.1 Design standards
[R 299.9615(1) and 40 CFR §264.192(a)(1)]

The design standards to which the tanks and ancillary equipment were constructed has been provided in Volume II, Section 2 technical design drawings and specifications.

C2.B.2 Dimensions and Capacity of Each Tank
[R 299.9615(1) and 40 CFR §270.16(b)]

The dimensions and capacity for each of the tanks has been provided in Volume V, Section 2, Appendix I & II, Tank Summary Table. Additional tank appurtenances are provided in Volume II, Section 2 technical design drawings and specifications.

C2.B.3 Description of Feed Systems, Safety Cutoff, Bypass System, and Pressure Controls
[R 299.9615(1) and 40 CFR §270.16(c)]

A description of the tank system feed and transfer systems and process flow charts has been provided in Volume V, Section 5.

Technical design drawings and specifications showing the welded pipe, flanges and

joints, location of valves, pumps and pipe shut off devices has been provided in Volume II, Section 2. Additional information is provided in Volume V, Section 2, Appendix I & II.

C2.B.3(a) Feed Systems
[R 299.9615(1) and 40 CFR §270.16(c)]

The tanks have been fitted with high level alarms and liquid transfer controls. Details on these systems has been provided in Volume II, Section 2 for technical design drawings and specifications and Volume V, Section 2, Appendix II tank assessments.

C2.B.3(b) Safety Cutoff or Bypass Systems
[R 299.9615(1) and 40 CFR §270.16(c)]

Safety cutoff / bypass system information is provided in Volume II, Section 2, technical design drawings and specifications.

C2.B.3(c) Pressure Controls
[R 299.9615(1) and 40 CFR §270.16(c)]

The tanks have been fitted with pressure relief valves, to ensure tanks do not exceed their designed operating pressures. The facility also operates a vapor recovery system to capture vapors during loading and transfers between tanks. Volume II, Section 2 contains technical design drawings and specifications for the tanks systems.

C2.B.4 Diagram of Piping, Instrumentation, and Process Flow
[R 299.9615(1) and 40 CFR §270.16(d)]

Detailed diagrams of the tank system's piping, instrumentation, vents, pumps, manways and piping have been provided in the technical design drawings and specifications found in Volume II Section 2. Process flow diagrams have been provided in Volume V Section 5.

C2.B.5 Characteristics of Waste
[R 299.9615(1) and 40 CFR §264.192(a)(2)]

A description of the hazardous characteristics of the waste(s) that are managed in the tank systems has been provided in Volume V, Section 5 process descriptions and process flow charts. The analytical characteristics of the waste managed in the tanks is describe in Chemical Physical Analysis Form A2 and corresponding Appendices. Tank information and assessments have been provided in Volume V, Section 2, Appendix I & II and Volume II, Section 2 contains technical design drawings, specifications, and tank compatibility information.

C2.B.6 External Corrosion Protection
[R 299.9615(1) and 40 CFR §264.192(a)(3)]

(Check as appropriate)

External Corrosion Protection Required:

☐ External shell of metal tank will be in contact with soil or water.

☐ Any external metal components of the tank system will be in contact with soil or water.

Technical design drawings and specifications for each tank has been provided in Volume II, Section 2. Volume V, Section 2 Appendix I of this template provides a listing of all tanks located at the site, including all regulated tanks and non-regulated tanks. All tanks and piping used by the facility are located above ground. All tanks used for blending, and inbound are constructed of carbon steel or stainless steel. All tanks are grounded to prevent accumulation of static electricity generated during material transfers and carbon steel tanks are painted to reduce the potential for corrosion. The pH of the materials to be placed into each tank is determined and controlled as necessary to prevent corrosion. Materials used for construction of the tank systems are compatible with the materials accepted at the facility.

Inspection of all tanks at the facility is carried out in accordance with 40 CFR 264.15 and includes tanks, containment units, and ancillary equipment. A copy of the inspection log has been provided in Volume I Section 4.

C2.B.6(a) Corrosion Potential Assessment
[R 299.9615(1) and 40 CFR §264.192(a)(3)(i) and (ii)]

The tanks are elevated off the ground by I-beams on a pad inside secondary containment. They are not in contact with water or soil. The tanks are painted with a corrosion resistant pant and are grounded.

C2.B.7 Protection from Vehicular Traffic
[R 299.9615(1) and 40 CFR §264.192(a)(4]

The facility does not operate any underground hazardous waste storage tank systems. Therefore, this section is not applicable.

C2.B.8 Foundation Load and Anchoring
[R 299.9615(1) and 40 CFR §§264.192(a)(5)(i) through (iii)]

Technical design drawings and specifications including foundation loads and anchoring for the CMB tanks has been provided in Volume II, Section 2.

C2.C INSTALLATION OF NEW TANK SYSTEMS

[R 299.9615(1) and 40 CFR §§264.192(b) through (g)]

The PE certification for CMB Tanks TK01 and TK02 has been provided in Volume V, Section 2, Appendix II.

C2.C.1 Proper Handling Procedures
[R 299.9615(1) and 40 CFR §264.192(b)]

The facility hired TEC, Testing Engineers and Consultants, an independent, qualified, installation inspector and qualified Professional Engineer, to ensure the

proper handling and installation of tanks systems and components. The inspection report has been provided in Volume V, Section 2, Appendix 2.

C2.C.1(a) Installation Inspectors
[R 299.9615(1) and 40 CFR §264.192(b)]

The facility hired TEC, Testing Engineers and Consultants, an independent, qualified, installation inspector and qualified Professional Engineer, to ensure the proper handling and installation of tanks systems and components prior to the enclosing of the two tanks. The inspection report has been provided in Volume V, Section 2, Appendix 2.

C2.C.1(b) Installation Inspection Procedures
[R 299.9615(1) and 40 CFR §264.192(b)]

The facility hired TEC, Testing Engineers and Consultants, an independent, qualified, installation inspector and qualified Professional Engineer, to ensure the proper handling and installation of tanks systems and components prior to the enclosing of the two tanks. The inspection report has been provided in Volume V, Section 2, Appendix 2. The inspection followed UL 142, API 650 and API 653 installation and inspection standards.

C2.C.1(c) Repairs
[R 299.9615(1) and 40 CFR §264.192(b)]

The inspector did not identify any discrepancies or leaks that required repairs. The inspection report has been provided in Volume V, Section 2, Appendix 2.

C2.C.2 Backfilling Underground Tank or Components
[R 299.9615(1) and 40 CFR §264.192(c)]

The facility does not store hazardous waste in underground storage tanks. Therefore, this section is not applicable.

C2.C.2(a) Backfill Material
[R 299.9615(1) and 40 CFR §264.192(c)]

The facility does not store hazardous waste in underground storage tanks. Therefore, this section is not applicable.

C2.C.2(b) Backfill Placement
[R 299.9615(1) and 40 CFR §264.192(c)]

The facility does not store hazardous waste in underground storage tanks. Therefore, this section is not applicable.

C2.C.3 Pre-Service Tank and Ancillary Equipment
[R 299.9615(1) and 40 CFR §264.192(d)]

The facility hired TEC, Testing Engineers and Consultants, an independent, qualified, installation inspector and qualified Professional Engineer, to ensure the proper handling and installation of tanks systems and components prior to the

enclosing of the two tanks. The inspector did not identify any discrepancies or leaks that required repairs. The inspection report has been provided in Volume V, Section 2, Appendix 2. The inspection followed UL 142, API 650 and API 653 installation and inspection standards.

C2.C.3.a Tanks
[R 299.9615(1) and 40 CFR §264.192(d)]

The facility hired TEC, Testing Engineers and Consultants, an independent, qualified, installation inspector and qualified Professional Engineer, to ensure the proper handling and installation of tanks systems and components prior to the enclosing of the two tanks. The inspector did not identify any discrepancies or leaks that required repairs. The inspection report has been provided in Volume V, Section 2, Appendix 2. The inspection followed UL 142, API 650 and API 653 installation and inspection standards.

C2.C.3(b) Piping
[R 299.9615(1) and 40 CFR §264.192(d)]

The facility hired TEC, Testing Engineers and Consultants, an independent, qualified, installation inspector and qualified Professional Engineer, to ensure the proper handling and installation of tanks systems and components prior to the enclosing of the two tanks. The inspector did not identify any discrepancies or leaks that required repairs. The inspection report has been provided in Volume V, Section 2, Appendix 2. The inspection followed UL 142, API 650 and API 653 installation and inspection standards.

C2.C.3(c) Repairs
[R 299.9615(1) and 40 CFR §264.192(d)

The facility hired TEC, Testing Engineers and Consultants, an independent, qualified, installation inspector and qualified Professional Engineer, to ensure the proper handling and installation of tanks systems and components prior to the enclosing of the two tanks. The inspector did not identify any discrepancies or leaks that required repairs. The inspection report has been provided in Volume V, Section 2, Appendix 2. The inspection followed UL 142, API 650 and API 653 installation and inspection standards.

C2.C.4 Ancillary Equipment Installation
[R 299.9615(1) and 40 CFR §264.192(e)]

The facility hired TEC, Testing Engineers and Consultants, an independent, qualified, installation inspector and qualified Professional Engineer, to ensure the proper handling and installation of tanks systems and components prior to the enclosing of the two tanks. The inspector did not identify any discrepancies or leaks that required repairs. The inspection report has been provided in Volume V, Section 2, Appendix 2. The inspection followed UL 142, API 650 and API 653 installation and inspection standards.

C2.C.5 Corrosion Protection Installation
[R 299.9615(1) and 40 CFR §264.192(f)]

The design specifications for the two tanks have been provided in Volume II, Section 2, CMB drawings. The facility hired TEC, Testing Engineers and Consultants, an independent, qualified, installation inspector and qualified Professional Engineer, to ensure the proper handling and installation of tanks systems and components prior to the enclosing of the two tanks. The inspector did not identify any discrepancies or leaks that required repairs. The inspection report has been provided in Volume V, Section 2, Appendix 2. The inspection followed UL 142, API 650 and API 653 installation and inspection standards.

C2.C.6 Certification of Design and Installation
[R 299.9615(1) and 40 CFR §264.192(g)]

The design specifications for the two tanks have been provided in Volume II, Section 2, CMB drawings. The facility hired TEC, Testing Engineers and Consultants, an independent, qualified, installation inspector and qualified Professional Engineer, to ensure the proper handling and installation of tanks systems and components prior to the enclosing of the two tanks. The inspector did not identify any discrepancies or leaks that required repairs. The inspection report has been provided in Volume V, Section 2, Appendix 2. The inspection followed UL 142, API 650 and API 653 installation and inspection standards.

C2.C.7 Description of Tank System Installation
[R 299.9615(1) and 40 CFR §270.16(f)]

The design specifications for the two tanks have been provided in Volume II, Section 2, CMB drawings. The facility hired TEC, Testing Engineers and Consultants, an independent, qualified, installation inspector and qualified Professional Engineer, to ensure the proper handling and installation of tanks systems and components prior to the enclosing of the two tanks. The inspector did not identify any discrepancies or leaks that required repairs. The inspection report has been provided in Volume V, Section 2, Appendix 2. The inspection followed UL 142, API 650 and API 653 installation and inspection standards.

C2.C.8 Tank Labels
[R 299.9615]

The tanks have been properly labeled in accordance with NFPA Standard 704. Pictures of the tanks have been provided in Volume II, Section 1.

C2.D SECONDARY CONTAINMENT SYSTEMS AND RELEASE DETECTION

[R 299.9615(1) and 40 CFR §264.193(a)]

Secondary containment drawings and capacities have been provided in Volume V, Section 2, Appendix I & II and Volume II, Section 2 technical design drawings and specifications.

C2.D.1 Secondary Containment Implementation Schedule
[R 299.9615(1) and 40 CFR §264.193(a)]

All secondary containment has been installed. Therefore, this section is not applicable. Design drawings and containment volumes are provided in Volume II, Section 2 technical design drawings and specifications.

C2.D.2 Secondary Containment Type and Performance Criteria
[R 299.9615(1) and 40 CFR §264.193(b)]

Secondary containment coating/liner specification has been provided in Volume II, Section 2 technical design drawings and specifications.

(Check all that apply):

☒ *Liner external to the tank*

☐ *Vault*

☐ *Double-walled tank*

☐ *Device approved by the director*

C2.D.3 Design Parameters
[R 299.9615(1) and 40 CFR §264.193(c)]

Design parameter have been provided in Volume II, Section 2 technical design drawings and specifications.

C2.D.3(a) Compatibility and Strength
[R 299.9615(1) and 40 CFR §264.193(c)(1)]

Strength and compatibility information has been provided in Volume II, Section 2 technical design drawings and specifications.

C2.D.3(b) Foundation Integrity
[R 299.9615(1) and 40 CFR §264.193(c)(2)]

Foundation information has been provided in Volume II, Section 2 technical design drawings and specifications.

C2.D.3(c) Leak Detection Capability
[R 299.9615(1) and 40 CFR §264.193(c)(3)]

The tanks are located on an elevated concrete pad. Any leaks from the tank system would be identified during the daily inspection of secondary containment. Leak detection information has been provided in Volume II, Section 2 technical design drawings and specifications.

C2.D.3(d) Adequate Drainage
[R 299.9615(1) and 40 CFR §264.193(c)(4)]

Information regarding drainage from tank system has been provided in Volume II, Section 2 for technical design drawings and specifications.

C2.D.4 External Liner Requirements
[R 299.9615(1) and 40 CFR §264.193(e)(1)]

The Dur-a-glaze Novolac liner coating information has been provided in Section 2 technical design drawings and specifications.

C2.D.4(a) Capacity
[R 299.9615(1) and 40 CFR §264.193(e)(1)(i)]

The tank containment system was designed to contain 100 percent of the capacity of the largest tank within its boundary. Containment capacities have been provided in Volume II, Section 2 technical design drawings and specifications.

C2.D.4(b) Storm Water Control
[R 299.9615(1) and 40 CFR §264.193(e)(1)(ii)]

The tank systems have been designed to prevent run-on or infiltration of precipitation into the secondary containment system. In addition, the system was designed with sufficient excess capacity to contain precipitation from a 25-year, 24-hour rainfall event. Information on the secondary containment capacity and drainage system has been provided in Volume II, Section 2 technical design drawings and specifications.

C2.D.4(c) Free from Cracks and Gaps
[R 299.9615(1) and 40 CFR §264.193(e)(1)(iii)]

The facility performs routing inspections of the secondary containment system. Any gaps or cracks in the liner system will be noted and repaired immediately. The liner system and sealing of gaps has been addressed in Volume II, Section 2 technical design drawings and specifications.

C2.D.4(d) Coverage Around Tank
[R 299.9615(1) and 40 CFR §264.193(e)(1)(iv)]

The liner has been designed and installed to surround the tank completely and to cover all surrounding part of the concrete containment system likely to come into contact with the waste if the waste is released from the tank(s). The system was designed to prevent lateral as well as vertical migration of the waste. Information on the containment systems around the tanks has been provided in Volume II, Section 2 technical design drawings and specifications.

C2.D.5 Vault systems Requirements
[R 299.9615(1) and 40 CFR §264.193(e)(2)]

The facility does not have any vaulted hazardous waste storage tanks systems. Therefore, this section is not applicable.

C2.D.5(a) Capacity
[R 299.9615(1) and 40 CFR §264.193(e)(2)(i)]

The facility does not have any vaulted hazardous waste storage tanks systems. Therefore, this section is not applicable.

C2.D.5(b) Stormwater Control
[R 299.9615(1) and 40 CFR §264.193(e)(2)(ii)]

The facility does not have any vaulted hazardous waste storage tanks systems. Therefore, this section is not applicable.

C2.D.5(c) Joint Construction
[R 299.9615(1) and 40 CFR §264.193(e)(2)(iii)]

The facility does not have any vaulted hazardous waste storage tanks systems. Therefore, this section is not applicable.

C2.D.5(d) Coating or Lining for Concrete
[R 299.9615(1) and 40 CFR §264.193(e)(2)(iv)]

The facility does not have any vaulted hazardous waste storage tanks systems. Therefore, this section is not applicable.

C2.D.5(e) Prevention of Vapor Formation and Ignition
[R 299.9615(1) and 40 CFR §264.193(e)(2)(v)]

The facility does not have any vaulted hazardous waste storage tanks systems. Therefore, this section is not applicable.

C2.D.5(f) Exterior Moisture Barrier
[R 299.9615(1) and 40 CFR §264.193(e)(2)(vi)]

The facility does not have any vaulted hazardous waste storage tanks systems. Therefore, this section is not applicable.

C2.D.6 Double-walled Tank Requirements
[R 299.9615(1) and 40 CFR §264.193(e)(3)(i)]

The facility does not operate any double walled tank systems for hazardous waste.

See Volume V, Section 2, Appendix I & II and Volume II, Section 2 technical design drawings and specifications.

C2.D.6(a) Integral Construction Design
[R 299.9615(1) and 40 CFR §264.193(e)(3)(i)]

The facility does not operate any double walled tank systems for hazardous waste.

See Volume V, Section 2, Appendix I & II and Volume II, Section 2 for technical design drawings and specifications.

C2.D.6(b) Corrosion Protection for Metal Tanks
[R 299.9615(1) and 40 CFR §264.193(e)(3)(ii)]

The facility does not operate any double walled tank systems for hazardous waste.

See Volume V, Section 2, Appendix I & II and Volume II, Section 2 for technical design drawings and specifications.

C2.D.6(c) Leak Detection System
[R 299.9615(1) and 40 CFR §264.193(e)(3)(iii)]

The facility does not operate any double walled tank systems for hazardous waste.

See Volume V, Section 2, Appendix I & II and Volume II, Section 2 for technical design drawings and specifications.

C2.D.7 Ancillary Equipment with Secondary Containment
[R 299.9615(1) and 40 CFR §264.193 (f)]

Details of ancillary equipment and pipe runs has been provided in Volume II, Section 2 technical design drawings and specifications.

Piping and associated equipment in hazardous waste service at the facility is located above ground and provided with secondary. Yard (overhead transfer) piping is situated in a welded steel trough that drains to the containment areas. If a pipe, flange or valve leaks, it would be easily identified, contained, collected using pumps, vacuum trucks, or absorbent, and decontaminated using detergents and/or high-pressure water spray, avoiding any risk to the environment while repairs are undertaken. Accumulated waste would be returned to the tanks, containers and/or transported offsite for treatment based upon the treatment requirements for the Waste Codes. Ancillary equipment (flanges, valves, pumps, etc.) is regularly inspected and monitored for leaks, further reducing the potential for releases from the equipment. Flex hosing is used in loading/unloading areas and where unacceptable cross contamination of product may occur. Hard plumbing is provided elsewhere throughout the site.

C2.D.7(a) Secondary Containment Type and Performance Criteria
[R 299.9615(1) and 40 CFR §264.193(f)]

Piping and associated equipment in hazardous waste service at the facility is all located above ground and provided with secondary containment. Overhead transfer piping is situated in a welded steel trough that drains to the containment areas. Pumps are in secondary containment. Details on the secondary containment for ancillary equipment has been provided in Volume II, Section 2 technical design drawings and specifications.

C2.D.7(b) Design Parameters
[R 299.9615(1) and 40 CFR §264.193(f)]

Details on the secondary containment for ancillary equipment has been provided in Volume II, Section 2 technical design drawings and specifications.

C2.D.7(c) Exempted Ancillary Equipment and Inspections
[R 299.9615(1) and 40 CFR §264.193(f)]

The facility performs daily inspections of the pipe runs, valves, pumps and other equipment ancillary to the tanks. Inspections are described in Volume I, Section 4 inspection plan and the daily inspection form in Appendix 1.

C2.D.8 Requirements for Tank Systems That Are Not in Compliance With Secondary Containment
[R 229.9615(2)]

Secondary containment for all tank systems meets 40 CFR 264.193 (b) to (f). Therefore, this section is not applicable.

C2.D.8(a) Aboveground Tanks
[R 229.9615(2)(a)]

Secondary containment for all tank systems meets 40 CFR 264.193 (b) to (f). Therefore, this section is not applicable.

C2.D.8(b) Underground Tanks
[R 229.9615(2)(a)]

Secondary containment for all tank systems meets 40 CFR 264.193 (b) to (f). This facility does not operate any underground hazardous waste storage tanks. Therefore, this section is not applicable.

C2.E VARIANCES FOR SECONDARY CONTAINMENT

[R 299.9615(1) and 40 CFR §264.193(g)]

(Check as appropriate)

☐ Technology-based Variance

☐ Risk-based Variance

The facility has not asked for a variance from secondary containment. Therefore, this section is not applicable.

C2.E.1 Technology-based Variance

[R 299.9615(1) and 40 CFR §264.193(g)]

The facility has not asked for a variance from secondary containment. Therefore, this section is not applicable.

C2.E.1(a) Nature and Quantity of Wastes

[R 299.9615(1) and 40 CFR §264.193(g)(1)(i)]

The facility has not asked for a variance from secondary containment. Therefore, this section is not applicable.

C2.E.1(b) Design and Operation

[R 299.9615(1) and 40 CFR §264.193(g)(1)(ii)]

The facility has not asked for a variance from secondary containment. Therefore, this section is not applicable.

C2.E.1(c) Hydrogeologic Setting

[R 299.9615(1) and 40 CFR §264.193(g)(1)(iii)]

The facility has not asked for a variance from secondary containment. Therefore, this section is not applicable.

C2.E.1(d) Other Factors

[R 299.9615(1) and 40 CFR §264.193(g)(1)(iv)]

The facility has not asked for a variance from secondary containment. Therefore, this section is not applicable.

C2.E.1(e) Zone of Engineering Control

[R 299.9615(1) and 40 CFR §264.193(g)(3)]

The facility has not asked for a variance from secondary containment. Therefore, this section is not applicable.

C2.E.2 Risk-Based Variance
[R 299.9615(1) and 40 CFR §264.193(g)(2)]

The facility has not asked for a variance from secondary containment. Therefore, this section is not applicable.

C2.E.2(a) Waste Toxicity and Migration Potential
[R 299.9615(1) and 40 CFR §264.193(g)(2)]

The facility has not asked for a variance from secondary containment. Therefore, this section is not applicable.

C2.E.2(b) Site Hydrogeology and Land Uses
[R 299.9615(1) and 40 CFR §264.193(g)(2)]

The facility has not asked for a variance from secondary containment. Therefore, this section is not applicable.

C2.E.2(c) Soil Characteristics
[R 299.9615(1) and 40 CFR §264.193(g)(2)]

The facility has not asked for a variance from secondary containment. Therefore, this section is not applicable.

C2.E.2(d) Permanence of Potentially Adverse Heath and Environmental Effects
[R 299.9615(1) and 40 CFR §264.193(g)(2)]

The facility has not asked for a variance from secondary containment. Therefore, this section is not applicable.

C2.E.2(e) Groundwater and Surface Water Quality and Usage
[R 299.9615(1) and 40 CFR §264.193(g)(2)]

The facility has not asked for a variance from secondary containment. Therefore, this section is not applicable.

C2.E.2(f) Climate
[R 299.9615(1) and 40 CFR §264.193(g)(2)]

The facility has not asked for a variance from secondary containment. Therefore, this section is not applicable.

C2.E.2(g) Receptors
[R 299.9615(1) and 40 CFR §264.193(g)(2)]

The facility has not asked for a variance from secondary containment. Therefore, this section is not applicable.

C2.E.3 Variance Implementation Procedures
[40 CFR §264.193(h)]

The facility has not asked for a variance from secondary containment. Therefore, this section is not applicable.

C2.F CONTROLS AND PRACTICES TO PREVENT SPILLS AND OVERFILLS
[R 299.9615(1) and 40 CFR §264.194(b)]

The facility prepared a RCRA Contingency plan and emergency preparedness plan. Copies of these plans have been provided in Volume I Section 5 (EGLE Template A7) of this application.

C2.F.1 Spill Prevention Controls
[R 299.9615(1) and 40 CFR §264.194(b)]

The facility has implemented appropriate controls and practices to prevent spills and overflows from tanks or containment systems. These include spill prevention controls and procedures including check valves and dry disconnect couplings. The facility has installed level sensing devices with high level alarms. A tank farm inventory is taken daily to double check levels and check the level sensor to prevent overfilling. (See the Inspection Plan in Volume I, Tank Farm Reports). The facility has also implemented a RCRA Contingency plan and emergency preparedness plan which addresses spill prevention control measures. Copies of these plans have been provided in Volume I Section 5 (EGLE Template A7) of this application.

C2.F.2 Overfill Prevention Controls
[R 299.9615(1) and 40 CFR §264.194(b)]

The facility has implemented appropriate controls and practices to prevent spills and overflows from tanks or containment systems. These include spill prevention controls and procedures including check valves and dry disconnect couplings. The facility has installed level sensing devices with high level alarms. A tank farm inventory is taken daily to double check levels and check the level sensor to prevent overfilling. (See the Inspection Plan in Volume I, Tank Farm Reports). The facility has also implemented a RCRA Contingency plan and emergency preparedness plan which addresses spill prevention control measures. Copies of these plans have been provided in Volume I Section 5, EGLE Form A7 of this application.
Volume II Section 2 container detailed drawings and specification of overfill prevention controls.

C2.F.3 Freeboard Maintenance
[R 299.9615(1) and 40 CFR §264.194(b)]

The facility does not operate any uncovered tanks. Therefore, this section is not applicable.

C2.G INSPECTIONS

[R 299.9615(1) and 40 CFR §264.195(a)]

The facility prepared an inspection program which has been provided in Volume I Section 4, EGLE Template A5. The facility also follows the API 653 tank inspection standard and schedule.

C2.G.1 Schedule and Procedures for Overfill Control System Inspections
[R 299.9615(1) and 40 CFR §264.195(a)]

The facility prepared an inspection program which has been provided in Volume I Section 4, EGLE Template A5 and Appendix I Inspection Plan. The facility follows the API 653 tank inspection standard and schedule.

C2.G.2 Daily Inspections of Aboveground Portions of Tank Systems and Monitoring and Leak Detection Data
[R 299.9615(1) and 40 CFR §264.195(b)]

The facility has an inspection program which includes daily inspections of the tank systems and includes leak detection to ensure that the tank system is being operated according to its design. This document has been provided in Volume I Section 4, EGLE Template A5 and Appendix I Inspection Plan.

C2.G.3 Daily Inspection of Construction Materials, Local Areas, and Secondary Containment System for Erosion and Leakage
[R 299.9615(1) and 40 CFR §264.195(b)(3)]

The facility prepared an inspection program which includes daily inspections of the tank system areas. This document has been provided in Volume I Section 4, EGLE Template A5 and Appendix I Inspection Plan. Inspections include a review of the secondary containment system to detect erosion, leakage or releases of waste.

C2.G.4 Inspection of Cathodic Protection Systems
[R 299.9615(1) and 40 CFR §264.195(c)]

The facility prepared an inspection program which includes the inspection of cathodic protection system when installed. This document has been provided in Volume I Section 4, EGLE Template A5 and Appendix I Inspection Plan. The facility also follows the API 653 tank inspection standard and schedule.

C2.G.5 Inspection Requirements before Full Secondary Containment is Provided
[R 299.9615(1) and 40 CFR §264.193(i)]

The facility secondary containment systems have been installed. Therefore, this section is not applicable.

C2.G.5(a) Nonenterable Underground Tanks
[R 299.9615(1) and 40 CFR §264.193(i)(1)]

The facility secondary containment systems have been installed and the facility does not have operate any non-enterable underground tanks to store hazardous waste. This section is not applicable.

C2.G.5(b) Other Than Nonenterable Underground Tanks
[R 299.9615(1) and 40 CFR §264.193(i)(2)]

The facility secondary containment systems have been installed. Therefore, this section is not applicable.

C2.G.5(c) Ancillary Equipment
[R 299.9615(1) and 40 CFR §264.193(i)(3)]

The facility secondary containment systems have been installed. Therefore, this section is not applicable.

C2.G.6 Reporting Requirements
[R 299.9615(1) and 40 CFR §264.193(i)(4)]

The facility secondary containment systems have been installed. Therefore, this section is not applicable.

C2.H RESPONSE TO LEAKS OR SPILLS AND DISPOSITION OF LEAKING OR UNFIT-FOR-USE TANK SYSTEMS

[R 299.9615(1) and 40 CFR §264.196]

The facility prepared a RCRA Contingency plan and emergency preparedness plan. Copies of these plans have been provided in Volume I Section 5, EGLE Templates A6 and A7 of this application. The plan addresses the requirements listed in the following C2.H subsections:

C2.H.1 Response Actions for Leaks and Spills
[R 299.9615(1) and 40 CFR §264.196(a)]

The facility response actions will include immediately stopping the flow of hazardous waste into the tank system or secondary containment system and inspecting the system to determine the cause of the release. The facility prepared a RCRA Contingency plan and emergency preparedness plan which describes the facilities response actions that will be taken in the event of a spill or leak. Copies of these plans have been provided in Volume I Section 5, EGLE Template A6 and A7 of this application.

C2.H.1(a) Waste Flow Stoppage
[R 299.9615(1) and 40 CFR §264.196(a)]

The facility response actions will include immediately stopping the flow of hazardous waste into the tank system or secondary containment system and inspecting the system to determine the cause of the release. The facility prepared a RCRA Contingency plan and emergency preparedness plan which describes the facilities response actions that will be taken in the event of a spill or leak. Copies of these plans have been provided in Volume I Section 5, EGLE Template A6 and A7 of this application.

C2.H.1(b) Waste Removal

[R 299.9615(1) and 40 CFR §264.196(b)]

The facility will recovery and remove waste released to the tank system within 24 hours after detection of the leak. If that it is not possible, the facility will begin waste removal at the earliest practicable time to remove as much of the waste as is necessary to prevent further release of hazardous waste to the environment and to allow inspection and repair of the tank system to be performed. Released materials will be removed within 24 hours or in as timely a manner as is possible to prevent harm to human health and the environment.

The facility prepared a RCRA Contingency plan and emergency preparedness plan that describes waste management. Copies of these plans have been provided in Volume I Section 5, EGLE Template A6 and A7 of this application.

C2.H.1(c) Visible Release Containment
[R 299.9615(1) and 40 CFR §264.196(c)]

Upon detection of a release to the soil or surface water, the facility will immediately conduct a visual inspection of the release and, based upon that inspection, prevent further migration of the leak or spill to soils or surface water; and remove, and properly dispose of, any visible contamination of the soil or surface water

The facility prepared a RCRA Contingency plan and emergency preparedness plan that describes the facility's response to visible releases. Copies of these plans have been provided in Volume I Section 5, EGLE Template A6 and A7 of this application.

C2.H.1(d) Repair, Replacement, or Closure
[R 299.9615(1) and 40 CFR §264.196(e)]

Any time there is a release from the tank system, the facility will confirm the cause of the release has not damaged the integrity of the tank system. The facility will not return the tank system to service until the released waste is removed and repairs, if necessary, are made.

If the source of the release was a leak to the environment from a component of a tank system without secondary containment, the facility will provide the component of the system from which the leak occurred with secondary containment that satisfies the requirements of §264.193 before it will be returned to service, unless the source of the leak is an aboveground portion of a tank system that can be inspected visually. If the source is an aboveground component that can be inspected visually, the component must be repaired and may be returned to service without secondary containment as long as the requirements for certification of major repair (see next section) has been satisfied. If a component is replaced, that component must satisfy the requirements for new tank systems or components in §§264.192 and 264.193. Additionally, if a leak has occurred in any portion of a tank system component that is not readily accessible for visual inspection (e.g., the bottom of an inground or on-ground tank), the entire component will be provided with secondary containment in accordance with §264.193 prior to being returned to use.

The facility prepared a RCRA Contingency plan and emergency preparedness plan

that describe actions the facility will take to close out a release and repair or replace equipment as needed. Copies of these plans have been provided in Volume I Section 5, EGLE Template A6 and A7 of this application.

C2.H.1(e) Certification of Major Repairs
[R 299.9615(1) and 40 CFR §264.196(f)]

If the facility repairs a tank system in accordance with paragraph per 264.196(e), and the repair has been extensive (*e.g.*, installation of an internal liner; repair of a ruptured primary containment or secondary containment vessel), the tank system will not be returned to service until the facility has obtained a certification by a qualified Professional Engineer in accordance with 40 CFR 270.11(d) that the repaired system is capable of handling hazardous wastes without release for the intended life of the system. This certification will be placed in the operating record and maintained until closure of the facility.

The facility has a tank inspection program which requires inspection and re-certification of tank systems that undergo major repairs. Certification of repairs are maintained in the facility's maintenance records.

C2.H.2 Required Notifications and Reports
[R 299.9615(1) and 40 CFR §264.194(d)]

The facility prepared a RCRA Contingency plan and emergency preparedness plan, these plans include a description of the required notifications and reports in the case of a reportable spill or release. Copies of these plans have been provided in Volume I, Section 5, EGLE Template A6 and A7 of this application.

C2.I CLOSURE AND POST CLOSURE REQUIREMENTS
[R 299.9615(1) and 40 CFR §270.14(b)]

The facility has prepared closure and postclosure plans. Copies of these plans have been provided in Volume I, Section 7, EGLE Template A11 and A12 of this application.

(Check as appropriate)

☒ Category A - *where decontamination is practical and secondary containment is provided*

☐ Category B - *where decontamination or removal is not practical and where secondary containment is provided and tank system will be closed as a landfill*

☐ Category C - *where decontamination is practical and where secondary containment is not provided*

☐ Category D - *where decontamination or removal is not practical, and where secondary containment is not provided, and tank system will be closed as a landfill*

C2.I.1 Category A
[R 299.9615(1) and 40 CFR §264.197]

The facility prepared a RCRA Contingency plan and emergency preparedness plan.

Copies of these plans have been provided in Volume I Section 5, EGLE Template A6 and A7 of this application. Closure planning and related information has been provided in these plans.

C2.I.1(a) Closure Plan
[40 CFR §264.112, except 264.112(d)(1)]

The facility prepared a RCRA Contingency plan and emergency preparedness plan. Copies of these plans have been provided in Volume I Section 5, EGLE Template A6 and A7 of this application. Closure planning and related information has been provided in these plans.

C2.I.1(b) Closure Activities
[40 CFR §264.111 through 114 and R 299.9613(3)]

The facility prepared a RCRA Contingency plan and emergency preparedness plan. Copies of these plans have been provided in Volume I Section 5, EGLE Template A6 and A7 of this application. Closure planning, activities and related information has been provided in these plans.

C2.I.1(c) Cost Estimate for Closure
[R 299.9702 and 40 CFR §264.142]

The facility prepared a RCRA Contingency plan and emergency preparedness plan. Copies of these plans have been provided in Volume I Section 5, EGLE Template A6 and A7 of this application. Closure cost estimates and related information has been provided in these plans.

C2.I.1(d) Financial Assurance for Closure
[R 299.9703 and 40 CFR §264.143]

The facility prepared a RCRA Contingency plan and emergency preparedness plan. Copies of these plans have been provided in Volume I Section 5, EGLE Template A6 and A7 of this application. Closure financial assurance and related information has been provided in these plans.

C2.I.2 Category B
[R 299.9615(1) and 40 CFR §264.197]

The facility will be closed under Category A. Therefore, this section is not applicable.

C2.I.2(a) Closure Plan for Landfills
[40 CFR §264.112, except 264.112(d)(1)]

The facility will be closed under Category A. Therefore, this section is not applicable.

C2.I.2(b) **Closure Activities as a Landfill**
[40 CFR §264.111 through 116, except 264.115 shall be replaced by R 299.9613(3)]

The facility will be closed under Category A. Therefore, this section is not applicable.

C2.I.2(c) **Closure Care for Landfills**
[40 CFR §264.310]

The facility will be closed under Category A. Therefore, this section is not applicable.

C2.I.2(d) **Closure Cost Estimate**
[R 299.9702 and 40 CFR §264.142]

The facility will be closed under Category A. Therefore, this section is not applicable.

C2.I.2(e) **Financial Assurance for Closure**
[R 299.9703 and 40 CFR §264.143]

The facility will be closed under Category A. Therefore, this section is not applicable.

C2.I.2(f) **Postclosure Plan**
[40 CFR §264.117 through 119 and R 299.9613(5)]

The facility will be closed under Category A. Therefore, this section is not applicable.

C2.I.2(g) **Postclosure Care for Landfills**
[40 CFR §264.310]

The facility will be closed under Category A. Therefore, this section is not applicable.

C2.I.2(h) **Postclosure Cost Estimate**
[R 299.9702 and 40 CFR §264.14]

The facility will be closed under Category A. Therefore, this section is not applicable.

C2.I.2(i) **Financial Assurance for Postclosure Care**
[R 299.9703 and 40 CFR §264.145]

The facility will be closed under Category A. Therefore, this section is not applicable.

C2.I.3 **Category C**
[R 299.9615(1) and 40 CFR §264.197]

The facility will be closed under Category A. Therefore, this section is not applicable.

C2.I.3(a) **Closure Plan**
[40 CFR §264.112, except 264.112(d)(1)]

The facility will be closed under Category A. Therefore, this section is not applicable.

C2.I.3(b) Closure Activities
[40 CFR §264.111 through 114 and R 299.9613(3)]

The facility will be closed under Category A. Therefore, this section is not applicable.

C2.I.3(c) Contingent Plans
[40 CFR §264.197]

The facility will be closed under Category A. Therefore, this section is not applicable.

C2.I.4 Category D
[R 299.9615(1) and 40 CFR §264.197]

The facility will be closed under Category A. Therefore, this section is not applicable.

C2.I.4(a) Contingent Plans
[40 CFR §264.197]

The facility will be closed under Category A. Therefore, this section is not applicable.

C2.I.4(b) Closure Activities as a Landfill
[40 CFR §264.111 through 116, except 264.115, shall be replaced by R 299.9613(3)]

The facility will be closed under Category A. Therefore, this section is not applicable.

C2.I.4(c) Closure Care for Landfills
[40 CFR §264.310]

The facility will be closed under Category A. Therefore, this section is not applicable.

C2.I.4(e) Financial Assurance for Closure
[R 299.9703 and 40 CFR §264.143]

The facility will be closed under Category A. Therefore, this section is not applicable.

C2.I.4(f) Postclosure Plan
[40 CFR §264.117 through 119 and R 299.9613(5)]

The facility will be closed under Category A. Therefore, this section is not applicable.

C2.I.4(g) Postclosure Care for Landfills
[40 CFR §264.310]

The facility will be closed under Category A. Therefore, this section is not applicable.

C2.I.4(h) Postclosure Cost Estimate
[R 299.9702 and 40 CFR §264.144]

The facility will be closed under Category A. Therefore, this section is not applicable.

C2.I.4(i) Financial Assurance for Postclosure Care
[R 299.9703 and 40 CFR §264.145]

The facility will be closed under Category A. Therefore, this section is not applicable.

C2.J SPECIAL REQUIREMENTS FOR IGNITABLE, REACTIVE, OR INCOMPATIBLE WASTES

[R 299.9615(1) and 40 CFR §270.16(j)]

The facility has prepared procedures to evaluate waste prior to acceptance in order to segregate incompatible materials and identify ignitable and reactive waste streams to ensure all waste streams are properly segregated, stored and otherwise managed at the facility. The waste characterization documents include the waste analysis plan (WAP), waste stream profiles, and waste tracking systems described in Volume I Section 2, Section 3 and Section 5 of this application. Precautions for management of ignitable or reactive wastes is described in the Process Description provided in Volume V, Section 5, Document 1.1

The Process Description Addresses the following:

C2.J.1 Ignitable or Reactive Wastes Precautions

[R 299.9615(1) and 40 CFR §264.198]

Precautions for management of ignitable or reactive wastes is described in the Process Description provided in Volume V, Section 5, Document 1.1

C2.J.2 Distance Requirements for Ignitable or Reactive Wastes

[R 299.9615(1) and 40 CFR §264.198(a) and (b)]

Ignitable waste tanks are located in areas compliant with NFPA setbacks from the property line and public streets. Precautions for management of ignitable or reactive wastes is described in the Process Description provided in Volume V, Section 5, Document 1.1

C2.J.3 Incompatible Wastes

[R 299.9615(1) and 40 CFR §264.199]

Incompatible wastes are not managed in tanks at this facility. Testing is performed on waste streams before commingling in tanks to ensure the wastes are compatible. Precautions for management of compatible and incompatible wastes is described in the Process Description provided in Volume V, Section 5, Document 1.1

Appendix I

Tank Summary

MICHIGAN DEPARTMENT OF ENVIRONMENTAL QUALITY – WASTE AND HAZARDOUS MATERIALS DIVISION
P O Box 30241 Lansing, MI 48909-7741

APPLICATION FOR INSTALLATION OF ABOVEGROUND STORAGE TANKS

This information is required under Act 207 of the Public Acts of 1941, as amended, being Section 29.5c of the Michigan Compiled Laws Annotated

INSTRUCTIONS: The item numbers are referenced in the attached typical installation of an Aboveground Storage Tank. The system must be in compliance with the Storage and Handling of Flammable and Combustible Liquids (FL/CL) Rules, 2003 AACS R 29.5101 et seq. The manufacturer and part number must be indicated next to the appropriate item. For installations involving container and portable tank storage, please see Part 2, Chapter 4 of the FL/CL Rules for additional requirements. For bulk plants, industrial plants, chemical plants, processing plants, refineries and distilleries, please refer to Part 2, Chapter 5 of the FL/CL Rules for additional requirements. For emergency generator tanks please see Part 5 of the FL/CL Rules for additional requirements, and complete Section III of this form. Please direct any questions to the Storage Tank Unit at 517-335-7211 or e-mail at DEQ-STD-TANKS@michigan.gov. For detailed instructions, see Page 5.

FACILITY NAME **Petro-Chem Processing Group**	NEW ASSIGNED TANK NUMBER(S) TK001. TK002		**FACILITY ID NUMBER**
FACILITY STREET ADDRESS (PO BOX NOT ACCEPTABLE) **421 Lycaste**	CONTACT PERSON (AT LOCATION) **Brian Cape**		AREA CODE & TELEPHONE NUMBER **(313) 824 -- 5414**
CITY **Detroit**	COUNTY **Wayne**	STATE MI	ZIP CODE **48214**
OWNER NAME **Nortru, LLC**	OWNER ADDRESS **515 Lycaste**		AREA CODE & TELEPHONE NUMBER **(800) 776 -- 0226**
CITY **Detroit**	STATE **Michigan**		ZIP CODE **48214**
SUBMITTER'S NAME	STREET ADDRESS		AREA CODE & TELEPHONE NUMBER ( ) --
CITY	STATE		ZIP CODE

SECTION I **The following section applies to aboveground tank installations, Part 2 of the FL/CL Rules.**

ITEM	DESCRIPTION	MANUFACTURER & PART NO.	ITEM	DESCRIPTION	MANUFACTURER & PART NO.
1.	**TANK LOCATION:** Section 2.3.2: To important buildings, property lines which may be built upon. Adjacent container: minimum three feet, 20 feet from LPG tank.	Tanks have a 65 foot offset from nearest property lines, and are not within 20 feet of LPG tanks.	5.	**TANK SUPPORTS/ FOUNDATIONS:** Section 2.2.4: rest on ground, concrete, masonry, piling, or steel. Section 2.3.1: Anchorage areas subject to buoyant forces; each tank shall be safeguarded against movement by anchoring or other secure means.	Secondary containment is a slab on grade foundation design.. Tank legs are secured to slab via concrete bolts.
2.	**SECONDARY CONTAINMENT:** Section 2.3.2.3: Diking/remote impoundment and alternative methods. Section 4.3.3 of Part 3: Vaults and special enclosures. Liquid-tight, non-combustible (walls and floors). Capacity: 100% largest tank plus volume occupied by other tanks.	Diking provided is a concrete pad and wall formed with appropriate waterstops and microsilica concrete mix	6.	**SPACING BETWEEN TANKS:** Section 2.3.2.2 & Table 2.3.2.2.1: Class I, II, IIIA minimum 10 feet from dike wall to LPG tank. Minimum 20 feet between FL/CL tank and LPG tank.	Tank spacing is a minimum of 3 feet tank to tank.
3.	**TANK DESIGN/ CONSTRUCTION:** Section 2-2: No open tanks for liquid storage. UL142, API 650, and ASME standards.	Clawson Tank – Vessels designed to API 650 and are constructed of 304L SS.	7.	**PIPING MATERIAL:** Section 3.3: Liquid-tight, steel, nodular iron. Section 3.5.4: protected against corrosion. Section 3.6: pipe testing. Section 3.5.8.3: gravity flow prevention. Section 5.2.4 of Part 3: pipe in building.	Schedule 40 carbon steel in a combination of threaded, flanged and welded connections.
4.	**CORROSION PROTECTION:** Section 2.2.6: Tank bottom installed on grade must be protected against corrosion.	Tanks are supported on legs	8.	**PIPE SUPPORTS:** Section 3.5.1: Constructed of non-combustible material.	Steel supports and hangers.

APPLICATION FOR INSTALLATION OF ABOVEGROUND STORAGE TANKS

(Continued from Page 1)

ITEM	DESCRIPTION	MANUFACTURER & PART NO.	ITEM	DESCRIPTION	MANUFACTURER & PART NO.
9.	**TANK VALVES (LINES ATTACHED):** Section 2.3.2.5: Above liquid level requires anti-siphon. Approved non-freeze. Below level 50,000 gallons or less shall have approved heat activated internal or external valve. water drain valve.	Apollo Ball Valves – ¼" - 2" Bronze body, TFE Packing. Series 70-100-01. 2 ½" – 4 " Cast iron body, TFE packing. Series 6P-200-IBV-125.	15.	**OVERFILL PROTECTION:** Section 2.6.1: Delivery operator shall have means to determine liquid level. Automatically stop filling before liquid level is 95% of tank capacity and sound audible alarm when liquid level is 90% of tank capacity.	Pathway – Model EV200. High alarm and automatic shutoff shall both be set to 90% of capacity. Level indication to be provide by ultrasonic unit.
10.	**EMERGENCY VENTS:** Section 2.2.5.2: Calculated on basis of CFH per multiplied by the amount of square feet of wetted area. Must be normally closed for flammable liquids.	Morrison Borthers – Model 244 OF-0200 AV.	16.	**PRODUCT FLOW PROTECTION:** Section 3.5.6: Back flow protection - check valve. Additional valves may be required to insure proper product flow in the piping system.	As required.
11.	**NORMAL VENTS:** Section 2.2.5.1: Relieve excessive internal pressure.	Protectoseal P/V Vent – Model 18542D3 (3" x 3")	17.	**PRODUCT ID OR RISER:** Section 3.9: Identified by color code or marking.	N/A
12.	**PUMP VALVES:** Section 3.5.10.1: Shall be provided with positive shutoffs on both sides.	Inlet and outlet isolation valves are in included the design.	18.	**UNLOADING/ LOADING RISER LOCATION:** Section 5.6: Separated from property lines, aboveground tanks, plant buildings a minimum: 25 feet Class I liquid, 15 feet Class II and III liquids.	N/A
13.	**PUMPS:** Section 3.10.2: Shall be provided with relief valve or bypass.	Centrifugal pump has an internal bypass and shall be installed with appropriate pressure relief.	19.	**SPILL PROTECTION - LOADING/UNLOADING POINTS:** Section 5.6.4: Prevent spills from entering drain systems, waterways, groundwater and/or subsurface soils. Cannot drain into diked area.	Transfer pump is located inside the building and is contained by a separate sump.
14.	**FIRE PROTECTION AND IDENTIFICATION:** Section 2.6.2.3: Labeled "Flammable Liquid," "Combustible Liquid," or according to NFPA 704.	Tanks are labeled "Flammable Liquids"	20.	LOCATION OF WATER WELLS: Section 2.3.2.1.8: L**ocation of drinking water wells and surface water intakes** within applicable distances of the proposed storage tank system.	N/A

APPLICATION FOR INSTALLATION OF ABOVEGROUND STORAGE TANKS

(Continued from Page 2)

SECTION II **The following section applies to aboveground motor vehicle fueling and marina operations, Part 3 of the FL/CL Rules. The requirements in Chapters 1, 2, and 3 of Part 2 of the FL/CL Rules must also be met. Inventory records shall be kept for all Class I, Class II, and Class IIIA storage.**

ITEM	DESCRIPTION	MANUFACTURER & PART NO.	ITEM	DESCRIPTION	MANUFACTURER & PART NO.
1.	**TYPE OF SERVICE STATION**: Attended qualified supervisor. Unattended self-service. Inside building. Marine service station.		7.	**DRAINAGE AND WASTE DISPOSAL:** Section 9.2.6.3: Prevent spilled liquid from entering interior of service station. Section 9.2.6.4: Area should be protected to minimize spills from entering groundwater, surface water, and subsurface soils.	
2.	**LOCATION OF DISPENSER:** Section 6.2.3: Minimum 10 feet from property lines, combustible building walls, and building openings. Within 100 feet of emergency shutoff switch. Section 9.4.5: In clear view of attendant.		8.	**EMERGENCY BREAKAWAY DEVICE:** Section 6.5: Installed on each hose that dispenses a liquid into motor vehicles. Designed to retain liquid on both sides of the breakaway point.	
3.	**DISPENSING DEVICE:** Section 6.3.2: Must be listed and identified as to product it dispenses. Section 6.3.3: Equipped to allow control of flow. Section 6.3.4: Mounted on concrete island and protected from collision.		9.	**ANTI-SIPHON DEVICE:** Section 4.2.4 & 4.3.6.5: Normally closed solenoid valve for elevated tanks.	
4.	**AREA BENEATH DISPENSER:** Section 6.3.4.1: Designed to prevent leaks from entering groundwater, surface water or subsurface soils.		10.	**FIRE EXTINGUISHER:** Section 9.2.5.2: Minimum of two listed 4A-20BC or one 4A-40BC within 75 feet of dispensers, fill pipes, and dispensing area.	
5.	**EMERGENCY SHEAR/FIRE VALVE:** Section 6.3.9: Required on submerged pumping systems, rigidly anchored. Section 6.3.10: Suction systems require check valve or pressure regulating valve under the dispenser.		11.	**SIGNS:** Section 9.2.5.4: Warning signs posted: "No Smoking," "Stop Motor," "Remain in attendance outside of vehicle and in view of the nozzle." Unlawful to dispense gasoline into unapproved containers. No filling of portable containers in or on a motor vehicle.	
6.	**DISPENSING NOZZLE:** Section 9.6.3: Automatic-closing with or without a latch open device. Section 6.6.6: Splashguard required.		12.	**PHYSICAL PROTECTION:** Section 4.3.7: Minimum 6-foot high chain link fence. Secure against unauthorized use and vehicular collision.	

(Continued on Page 4)

APPLICATION FOR INSTALLATION OF ABOVEGROUND STORAGE TANKS

(Continued from Page 3)

SECTION III **The following section applies to aboveground emergency generator operations. Part 5 of the FL/CL Rules. The requirements in Chapters 1 and 2 of Part 2 of the FL/CL Rules must also be met. Inventory records shall be kept for all Class I, Class II, and Class IIIA storage.**

ITEM	DESCRIPTION	MANUFACTURER & PART NO.	ITEM	DESCRIPTION	MANUFACTURER & PART NO.
1.	**TANK LOCATION:** Section 2.3.2: To important buildings, property lines which may be built upon. Adjacent container: minimum three feet, 20 feet from LPG tank.		9.	**NORMAL VENTS:** Section 2.2.5.1: Relieve excessive internal pressure.	
2.	**SECONDARY CONTAINMENT:** Part 2, Section 2.3.2.3: Control of spills; diking, alternative methods.		10.	**EMERGENCY VENTS:** Section 2.2.5.2: Calculated on basis of CFH per multiplied by the amount of square feet of wetted area. Must be normally closed for flammable liquids.	
3.	**TANK DESIGN/ CONSTRUCTION:** Section 2-2: No open tanks for liquid storage. UL142, API 650, and ASME standards.		11.	**UNLOADING/ LOADING RISER LOCATION:** Section 5.6 & Part 5, Section 5-8.5: Separated from property lines, aboveground tanks, plant buildings a minimum: 25 feet Class I liquid, 15 feet Class II and III liquids.	
4.	**CORROSION PROTECTION:** Section 2.2.6: Tank bottom installed on grade must be protected against corrosion.		12.	**SPILL PROTECTION - LOADING/UNLOADING POINTS:** Section 5.6.4: Prevent spills from entering drain systems, waterways, groundwater and/or subsurface soils. Cannot drain into diked area.	
5.	**TANK SUPPORTS/ FOUNDATIONS:** Section 2.2.4: rest on ground, concrete, masonry, piling, or steel. Section 2.3.1: Anchorage areas subject to buoyant forces; each tank shall be safeguarded against movement by anchoring or other secure means.		13.	**OVERFILL PROTECTION:** Section 2.6.1: Delivery operator shall have means to determine liquid level. Automatically stop filling before liquid level is 95% of tank capacity and sound audible alarm when liquid level is 90% of tank capacity.	
6.	**PIPING MATERIAL:** Section 3.3: Liquid-tight, steel, nodular iron. Section 3.5.4: protected against corrosion. Section 3.6: pipe testing. Section 3.5.8.3: gravity flow prevention.		14.	**FIRE PROTECTION AND IDENTIFICATION:** Section 2.6.2.3: Labeled "Flammable Liquid," "Combustible Liquid," or according to NFPA 704.	
7.	**PIPE SUPPORTS:** Section 3.5.1: Constructed of non-combustible material.		15.	**FIRE EXTINGUISHER:** Section 9.2.5.2: Minimum of two listed 4A-20BC or one 4A-40BC within 75 feet of dispensers, fill pipes, and dispensing area.	
8.	LOCATION OF WATER WELLS: Section 2.3.2.1.8: L**ocation of drinking water wells and surface water intakes** within applicable distances of the proposed storage tank system.		16.	**PRODUCT ID OR RISER:** Section 3.9: Identified by color code or marking.	

PART I – ITEMS

1. TANK LOCATION
2. SECONDARY CONTAINMENT
3. TANK DESIGN/CONSTRUCTION
4. CORROSION PROTECTION
5. TANK SUPPORTS/FOUNDATIONS
6. SPACING BETWEEN TANKS
7. PIPING MATERIAL
8. PIPE SUPPORTS
9. TANK VALVES
10. EMERGENCY VENTS
11. NORMAL VENTS
12. PUMP VALVES
13. PUMPS
14. FIRE PROTECTION AND IDENTIFICATION
15. OVERFILL PROTECTION
16. PRODUCT FLOW PROTECTION
17. PRODUCT ID OR RISER
18. UNLOADING/LOADING RISER LOCATION
19. SPILL PROTECTION—LOADING/UNLOADING POINTS
20. LOCATION OF WATER WELLS, ETC.

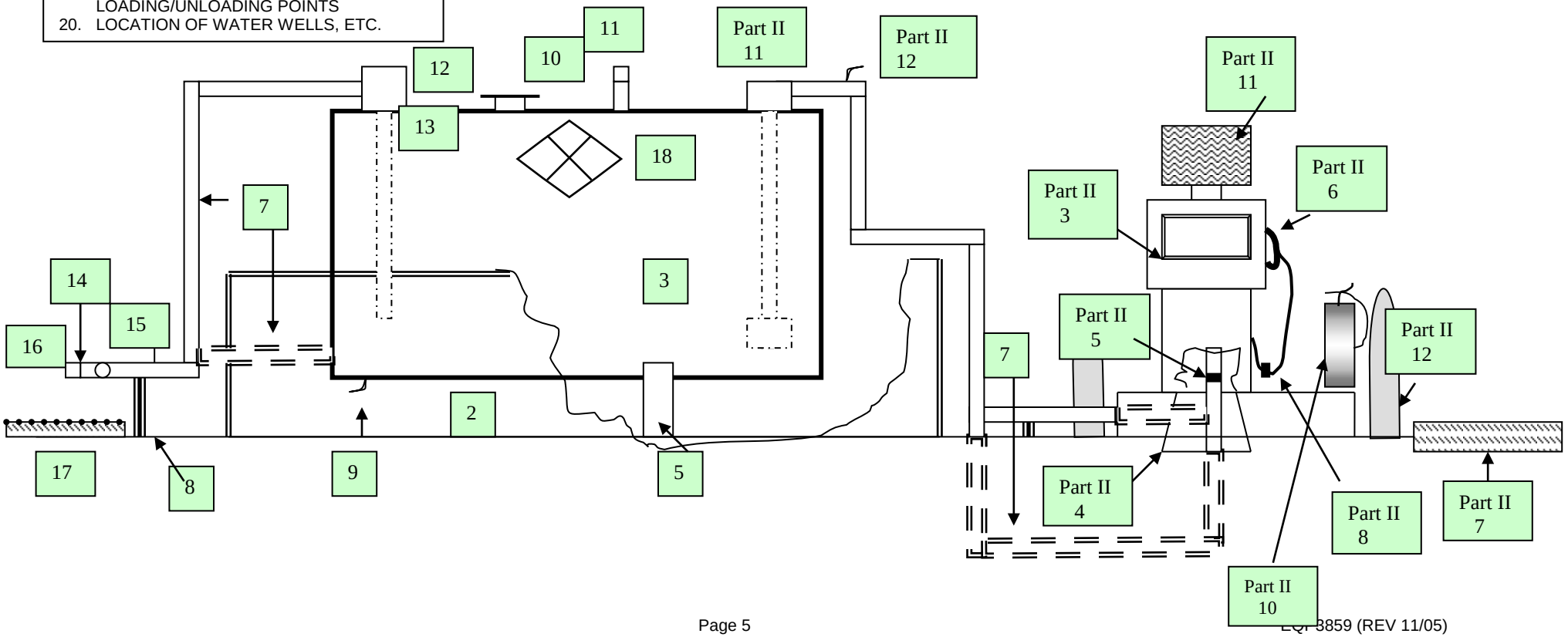
TYPICAL INSTALLATION OF

ABOVEGROUND STORAGE TANK STORING FLAMMABLE AND COMBUSTIBLE LIQUIDS

(Numbers corresponds to the item numbers on the application)

PART II – ITEMS

1. TYPE OF SERVICE STATION
2. LOCATION OF DISPENSER
3. DISPENSING DEVICE
4. AREA BENEATH DISPENSER
5. EMERGENCY SHEAR/FIRE VALVE
6. DISPENSING NOZZLE
7. DRAINAGE AND WASTE DISPOSAL
8. EMERGENCY BREAKAWAY DEVICE
9. ANTI-SIPHON
10. FIRE EXTINGUISHER
11. SIGNS
12. PHYSICAL PROTECTION



A plan review must be completed on any tank with a storage capacity greater than 1,100 gallons storing flammable and combustible liquids. A request for plan review must include:

1) Size of existing tank(s) and product stored, flash point. The material of construction, the dimension, and the **capacity** of each tank.
2) Type of impoundment (diking) provided. Provide dike calculations with the available capacity calculated.
3) A completed parts and materials list for each tank with vent manufacturer, model number and flow rate (gpm, SCFH) as appropriate.
4) A plot map showing the following information:
   a) Location of **buildings**, public **roadways**, railroad mainlines, public sidewalks, and **property lines**.
   b) Storm **sewers**, sanitary sewers, manholes, and catch basins.
   c) **Proposed** location of the **container**(s) and **loading/unloading** risers.
   d) Location of property lines.
   e) Location of **existing** tanks, above and underground, within 50 feet of the installation.
   f) Location of fuel dispensers and canopy footings.
   g) The location of **surface water** and wetlands within 25 feet of the installation.
   h) The location of single-family drinking **wells**, and community and non-community public drinking water wells.
4) A separate piping diagram for each tank with pipe, vent and valve specification identified on the diagram. Include manufacturer and model numbers where appropriate.
5) Pipe systems must meet Chapter 3, NFPA 30, 2000 edition, requirements for gravity releases, emergency operation, and anti-siphon. Please show specific valves, vents and locations.
6) Tanks that do not have secondary containment shall not be installed in a **delineated wellhead** protection area. Tanks that do not have secondary containment shall not be installed in a **source water** protection area **critical assessment zone**, or 300 feet from a **surface watershed** delineated critical assessment zone.
7) A tank of more than **4,000** gallons shall not be installed within the **critical** assessment zone.
8) A plan review fee of $203 (checks made payable to the State of Michigan) **per** tank.
   Send the application to:
   DEQ OFFICE OF FINANCIAL MANAGEMENT
   REVENUE CONTROL UNIT
   PO BOX 30657
   LANSING, MI 48909
9) Section I shall be completed for bulk facilities.
10) Sections I and II shall be completed for motor fueling facilities.
11) Section III shall be completed for emergency generator facilities.

The facility cannot be operated without approval from the Waste and Hazardous Materials Division. If you have any additional questions concerning this matter, please contact the Storage Tank Unit at 517-335-7211, or e-mail DEQ-STD-TANKS@michigan.gov.

TANK SUMMARY TABLE

TANK NO.	Nominal CAPACITY (GALS.)	Maximum Authorized Capacity	CONST. METHOD	TANK MATERIAL	HT. (FT.)	DIA. (FT.)	ORIENTATION	MATERIAL	RCRA/ACT 451 STATUS	INSTALL DATE	DECOM. DATE
Tank System 1 - RCRA Regulated Tanks											
16	30,000	28,000	Welded	Carbon Steel	26	14	Vertical	WDF	Regulated	May-86	In Service
17	30,000	28,000	Welded	Carbon Steel	26	14	Vertical	WDF	Regulated	May-86	In Service
18	30,000	28,000	Welded	Carbon Steel	26	14	Vertical	WDF	Regulated	May-86	In Service
19	30,000	28,000	Welded	Carbon Steel	26	14	Vertical	WDF	Regulated	May-86	In Service
20	30,000	28,000	Welded	Carbon Steel	26	14	Vertical	WDF	Regulated	May-86	In Service
21	30,000	28,000	Welded	Carbon Steel	26	14	Vertical	WDF	Regulated	May-86	In Service
22	30,000	28,000	Welded	Carbon Steel	26	14	Vertical	WDF	Regulated	Jun-86	In Service
23	30,000	28,000	Welded	Carbon Steel	26	14	Vertical	WDF	Regulated	Jun-86	In Service
24	30,000	28,000	Welded	Carbon Steel	26	14	Vertical	WDF	Regulated	Jun-86	In Service
25	30,000	28,000	Welded	Carbon Steel	26	14	Vertical	WDF	Regulated	Jun-86	In Service
26	30,000	28,000	Welded	Carbon Steel	26	14	Vertical	WDF	Regulated	Jun-86	In Service
27	30,000	28,000	Welded	Carbon Steel	26	14	Vertical	WDF	Regulated	Jul-86	In Service

TANK SUMMARY TABLE

TANK NO.	Nominal CAPACITY (GALS.)	Maximum Authorized Capacity	CONST. METHOD	TANK MATERIAL	HT. (FT.)	DIA. (FT.)	ORIENTATION	MATERIAL	RCRA/ACT 451 STATUS	INSTALL DATE	DECOM. DATE
28	30,000	28,000	Welded	Carbon Steel	26	14	Vertical	WDF	Regulated	Jul-86	In Service
29	30,000	28,000	Welded	Carbon Steel	26	14	Vertical	WDF	Regulated	Jul-86	In Service
30	30,000	28,000	Welded	Carbon Steel	26	14	Vertical	WDF	Regulated	Jul-86	In Service
Tank System 2 - RCRA Regulated Tanks											
35	30,000	28,000	Welded	Carbon Steel	26	14	Vertical	WDF	Regulated	1993	In Service
36	30,000	28,000	Welded	Carbon Steel	26	14	Vertical	WDF	Regulated	1993	In Service
37	30,000	28,000	Welded	Carbon Steel	26	14	Vertical	WDF	Regulated	1993	In Service
38	30,000	28,000	Welded	Carbon Steel	26	14	Vertical	WDF	Regulated	1993	In Service
39	30,000	28,000	Welded	Carbon Steel	26	14	Vertical	WDF	Regulated	1993	In Service
40	30,000	28,000	Welded	Carbon Steel	26	14	Vertical	WDF	Regulated	1993	In Service
SDG Process Tanks - Decommissioned Previously Exempt Tanks .											
R1	2,400		Welded	316 S.S.	8.5	7	Vertical	Product	Exempt		Decommissioned 06/07
R2	7,000		Welded	316 S.S.	12	10	Vertical	Product	Exempt		Decommissioned 06/07

TANK SUMMARY TABLE

TANK NO.	Nominal CAPACITY (GALS.)	Maximum Authorized Capacity	CONST. METHOD	TANK MATERIAL	HT. (FT.)	DIA. (FT.)	ORIENTATION	MATERIAL	RCRA/ACT 451 STATUS	INSTALL DATE	DECOM. DATE
R3	7,000		Welded	316 S.S.	12	10	Vertical	Product	Exempt		Decommissioned 06/07
R4	3,000		Welded	304 S.S.	10.5	8	Vertical	Product	Exempt		Decommissioned 06/07
R5	3,000		Welded	304 S.S.	10.5	8	Vertical	Product	Exempt		Decommissioned 06/07
R6	5,000		Welded	304 S.S.	14.5	8	Vertical	Product	Exempt		Decommissioned 06/07
R7	5,000		Welded	304 S.S.	14.5	8	Vertical	Product	Exempt		Decommissioned 06/07
R8	6,000		Welded	304 S.S.	12	10	Vertical	Product	Exempt		Decommissioned 06/07
Tanks System 3 - Not Subject to RCRA Regulations											
S12	5,000		Welded	Carbon Steel	11	8.5	Vertical	Generated Waste	Exempt		Decommissioned 06/07
S13	5,000		Welded	Carbon Steel	11	8.5	Vertical	Generated Waste	Exempt		Decommissioned 06/07
S61	8,000		Welded	Carbon Steel	24.8	8	Vertical	, Oil/Oily Water	Unregulated	Mar-92	In Service
S62	8,000		Welded	Carbon Steel	24.8	8	Vertical	, Oil/Oily Water	Unregulated	Mar-92	In Service
S63	8,000		Welded	Carbon Steel	24.8	8	Vertical	, Oil/Oily Water	Unregulated	Mar-92	In Service
S64	8,000		Welded	Carbon Steel	24.8	8	Vertical	, Oil/Oily Water	Unregulated	Mar-92	In Service

TANK SUMMARY TABLE

TANK NO.	Nominal CAPACITY (GALS.)	Maximum Authorized Capacity	CONST. METHOD	TANK MATERIAL	HT. (FT.)	DIA. (FT.)	ORIENTATION	MATERIAL	RCRA/ACT 451 STATUS	INSTALL DATE	DECOM. DATE
S65	8,000		Welded	Carbon Steel	24.8	8	Vertical	, Oil/Oily Water	Unregulated	Mar-92	In Service
S66	8,000		Welded	Carbon Steel	24.8	8	Vertical	, Oil/Oily Water	Unregulated	Mar-92	In Service
S67	8,000		Welded	Carbon Steel	24.8	8	Vertical	, Oil/Oily Water	Unregulated	Mar-92	In Service
S68	8,000		Welded	Carbon Steel	24.8	8	Vertical	, Oil/Oily Water	Unregulated	Mar-92	In Service
S69	13,277	0	Welded	Carbon Steel	24.8	10.5	Vertical	WDF; Caustic,	~~Regulated~~ Decommissioned	Mar-92	~~In Service~~ Decommissioned
S70	13,277	0	Welded	Carbon Steel	24.8	10.5	Vertical	WDF; Caustic,	~~Regulated~~ Decommissioned	Mar-92	~~In Service~~ Decommissioned
S71	10,201	0	Welded	Carbon Steel	20	10.5	Vertical	WDF; Caustic,	~~Regulated~~ Decommissioned	Mar-92	~~In Service~~ Decommissioned
S72	10,201	0	Welded	Carbon Steel	20	10.5	Vertical	WDF; Caustic,	~~Regulated~~ Decommissioned	Mar-92	~~In Service~~ Decommissioned
Tank System 4 - Decommissioned Previoiusly RCRA Exempt											
42	200		Welded	Stainless Steel				Air Emission Control Condensate	Exempt		Decommissioned 10/09
S20	15,200		Welded	Carbon Steel	19	14.33	Vertical	Product	Exempt		Decommissioned 02/07
S21	15,200		Welded	Carbon Steel	19	14.33	Vertical	Product	Exempt		Decommissioned 02/07
S22	15,200		Welded	Carbon Steel	19	14.33	Vertical	Product	Exempt		Decommissioned 02/07

TANK SUMMARY TABLE

TANK NO.	Nominal CAPACITY (GALS.)	Maximum Authorized Capacity	CONST. METHOD	TANK MATERIAL	HT. (FT.)	DIA. (FT.)	ORIENTATION	MATERIAL	RCRA/ACT 451 STATUS	INSTALL DATE	DECOM. DATE
S23	15,200		Welded	Carbon Steel	19	14.33	Vertical	Product	Exempt		Decommissioned 02/07
S24	15,200		Welded	Carbon Steel	19	14.33	Vertical	Product	Exempt		Decommissioned 02/07
S25	15,200		Welded	Carbon Steel	19	14.33	Vertical	Product	Exempt		Decommissioned 02/07
S26	17,000		Welded	304 S.S.	N/A	11	Horizontal	Product	Exempt		Decommissioned 02/07
S27	16,800		Welded	Carbon Steel	20.5	12	Vertical	Fuel Oil	Exempt		Decommissioned 02/07
S28	23,650		Welded	Carbon Steel	N/A	12	Horizontal	Toluene	Exempt		Decommissioned 02/07
S29	16,800		Welded	Carbon Steel	20.5	12	Vertical	Toluene	Exempt		Decommissioned 02/07
S30	10,000		Welded	Carbon Steel	18	10	Vertical	Cln. Material	Exempt		Decommissioned 02/07
S31	10,000		Welded	Carbon Steel	18	10	Vertical	Cln. Material	Exempt		Decommissioned 02/07
S32	10,000		Welded	Carbon Steel	18	10	Vertical	Cln. Material	Exempt		Decommissioned 02/07
S33	10,000		Welded	Carbon Steel	18	10	Vertical	Cln. Material	Exempt		Decommissioned 02/07
S34	10,000		Welded	Carbon Steel	18	10	Vertical	Cln. Material	Exempt		Decommissioned 02/07
S35	10,000		Welded	Carbon Steel	18	10	Vertical	Cln. Material	Exempt		Decommissioned 02/07

TANK SUMMARY TABLE

TANK NO.	Nominal CAPACITY (GALS.)	Maximum Authorized Capacity	CONST. METHOD	TANK MATERIAL	HT. (FT.)	DIA. (FT.)	ORIENTATION	MATERIAL	RCRA/ACT 451 STATUS	INSTALL DATE	DECOM. DATE
S36	10,000		Welded	Carbon Steel	18	10	Vertical	Cln. Material	Exempt		Decommissioned 02/07
S37	10,000		Welded	Carbon Steel	18	10	Vertical	Cln. Material	Exempt		Decommissioned 02/07
S38	10,000		Welded	Carbon Steel	18	10	Vertical	Cln. Material	Exempt		Decommissioned 02/07
S39	10,000		Welded	Carbon Steel	18	10	Vertical	Cln. Material	Exempt		Decommissioned 02/07
S40	10,000		Welded	Carbon Steel	18	10	Vertical	Cln. Material	Exempt		Decommissioned 02/07
S41	10,000		Welded	Carbon Steel	18	10	Vertical	Cln. Material	Exempt		Decommissioned 02/07
S42	10,000		Welded	Carbon Steel	18	10	Vertical	Cln. Material	Exempt		Decommissioned 02/07
S43	10,000		Welded	Carbon Steel	18	10	Vertical	Cln. Material	Exempt		Decommissioned 02/07
S44	10,000		Welded	Carbon Steel	18	10	Vertical	Cln. Material	Exempt		Decommissioned 02/07
S45	10,000		Welded	Carbon Steel	18	10	Vertical	Cln. Material	Exempt		Decommissioned 02/07
S46	10,000		Welded	Carbon Steel	18	10	Vertical	Cln. Material	Exempt		Decommissioned 02/07
S47	10,000		Welded	Carbon Steel	18	10	Vertical	Cln. Material	Exempt		Decommissioned 02/07
S48	10,000		Welded	Carbon Steel	18	10	Vertical	Cln. Material	Exempt		Decommissioned 02/07

TANK SUMMARY TABLE

TANK NO.	Nominal CAPACITY (GALS.)	Maximum Authorized Capacity	CONST. METHOD	TANK MATERIAL	HT. (FT.)	DIA. (FT.)	ORIENTATION	MATERIAL	RCRA/ACT 451 STATUS	INSTALL DATE	DECOM. DATE
S49	10,000		Welded	Carbon Steel	18	10	Vertical	Cln. Material	Exempt		Decommissioned 02/07
S50	11,500		Welded	316 S.S	12.5	12	Vertical	Cln. Material	Exempt		Decommissioned 02/07
S51	11,500		Welded	316 S.S	12.5	12	Vertical	Cln. Material	Exempt		Decommissioned 02/07
S52	11,500		Welded	316 S.S	12.5	12	Vertical	Cln. Material	Exempt		Decommissioned 02/07
S53	11,500		Welded	316 S.S	12.5	12	Vertical	Cln. Material	Exempt		Decommissioned 02/07
S54	11,500		Welded	316 S.S	12.5	12	Vertical	Cln. Material	Exempt		Decommissioned 02/07
S55	13,500		Welded	Carbon Steel	N/A	N/A	Vertical	Cln. Material	Exempt		Decommissioned 02/07
S56	9,500	0	Welded	Carbon Steel	12	13	Vertical	Cln. Material	Exempt	Mar-92	In Service
S57	9,500	0	Welded	Carbon Steel	12	13	Vertical	Cln. Material	Exempt	Mar-92	In Service
S58	12,550		Welded	Carbon Steel	12	15	Vertical	Cln. Material	Exempt		Decommissioned 02/07
S59	12,550		Welded	Carbon Steel	12	15	Vertical	Cln. Material	Exempt		Decommissioned 02/07
S73	30,000		Welded	Carbon Steel	26	14	Vertical	Gen. Waste	Exempt		Decommissioned 02/07
S74	810		Welded	Carbon Steel	5	7	Vertical	Process Feed	Exempt		Decommissioned 02/07

TANK SUMMARY TABLE

TANK NO.	Nominal CAPACITY (GALS.)	Maximum Authorized Capacity	CONST. METHOD	TANK MATERIAL	HT. (FT.)	DIA. (FT.)	ORIENTATION	MATERIAL	RCRA/ACT 451 STATUS	INSTALL DATE	DECOM. DATE
S75	810		Welded	Carbon Steel	5	7	Vertical	Process Feed	Exempt		Decommissioned 02/07
43	30,000		Welded	Carbon Steel	26	14	Vertical	Generated Waste Water	Exempt		Decommissioned 10/09
CMB Tanks - RCRA Regulated											
TK 001	6,000	6,000	Welded	304L S.S.	12	10	Vertical	Waste Storage	Regulated	March 2009	Pending Use
TK 002	6,000	6,000	Welded	304L S.S.	12	10	Vertical	Waste Storage	Regulated	March 2009	Pending Use
Boiler Fuel Oil Tanks											
F1	10,000		Welded	Carbon Steel	15.7	10.5	Vertical	Fuel Oil	Exempt		Decommissioned 07/05
F2	5000		Welded	Carbon Steel	16	10.5	Horizontal	Fuel Oil	Exempt		Decommissioned 07/05
F3	5000		Welded	Carbon Steel	16	10.5	Horizontal	Fuel Oil	Exempt		Decommissioned 07/05
	Total Permitted	600,000									

Total Authorized Tank Storage Capacity: 600,000 Gallons

Appendix II

Tank Assessments

Testing Engineers & Consultants, Inc.

1333 Rochester Road • PO Box 249 • Troy, Michigan 48099-0249
(248) 588-6200 or (313) T-E-S-T-I-N-G
Fax (248) 588-6232

TEC Report Number: 35771-1
Date Issued: June 9, 1998

Mr. Alan Kinsler
Philip Service Corp.
515 Lycaste Avenue
Detroit, MI 48214

RE: Existing Hazardous Waste Storage Tank Assessments for Tanks 9, 10, 11, 14, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 32, 33, 34, 41, 44, 61, 62, 63, 64, 65, 66, 67, 68, 69, and 70

Dear Mr. Kinsler:

In accordance with your request, we have completed the above referenced tank assessments and certifications.

Please find our certification documents and reports attached.

We are pleased for the opportunity to provide our services. Should you have any questions or require additional information, please feel free to contact our office.

Respectfully yours,
TESTING ENGINEERS & CONSULTANTS, INC.

Donald L. Malinowski, P.E.
Senior Project Manager

Ruben E. Ramos, P.E.
Vice President
Engineering and Construction Services

DLM/RER/sw

INTRODUCTION

Petro-Chem Processing Group of Nortu, Inc. ("PCPG") retained Testing Engineers & Consultants, Inc. ("TEC") to assess certain above-ground hazardous waste storage tank systems located at PCPG's Detroit, Michigan facility and to certify that those tank systems have sufficient structural integrity and are acceptable for the storing and/or treating of hazardous waste in accordance with 40 C.F.R. 264.191(a) and 40 C.F.R. 264.192 (a), which are incorporated by reference in Rule 9615(1) of the administrative rules promulgated under Part III of the Natural Resources and Environmental Protection Act. Mich. Admin. Code r. 299.9615(1). TEC performed the requested assessment and certification on the following tank systems placed in service before the applicable effective date as an "existing" tank: S-9, S-10, S-11, S-14, PCPG-16, PCPG-17, PCPG-18, PCPG-19 PCPG-20, PCPG-21, PCPG-22, PCPG-23, PCPG-24, PCPG-25, PCPG-26, PCPG-27, PCPG-28, PCPG-29 and PCPG-30. Further, TEC performed the requested assessment and certification on the following tank systems placed in service after the effective dates as "new" tanks: PCPG-32, PCPG-33, PCPG-34, PCPG-41, PCPG-44, S-61, S-62, S-63, S-64, S-65, S-66, S-67, S-68, S-69 and S-70.

TEC employed the following procedures to assess the tank systems identified above:

1. Compiled data regarding the physical characteristics of the tank systems.
2. Compiled information provided by PCPG regarding the hazardous characteristics of the materials handled or stored in the tank systems.
3. Reviewed previous tank system assessment reports provided by PCPG.
4. Reviewed PCPG's tank system inspection and maintenance protocols.
5. Conducted visual inspections of the tank systems and associated secondary containment systems to identify any external evidence of corrosion, distress, or failure.
6. Conducted ultrasonic measurements of tank wall and/or bottom thickness at various locations on each tank.
7. Compared the observed wall and bottom thicknesses with the most conservative recommendations contained in Underwriters Laboratories ("UL") Standard 142 (Seventh Edition), American Petroleum Institute ("API") Standard 650 (Eighth Edition), and API Standard 653 (Eighth Edition) as a method of screening tank systems that could be certified as having sufficient structural integrity and as being acceptable for the storing and/or treating of hazardous waste without additional evaluation.
8. Performed additional evaluation of those tank systems that did not exceed the threshold wall or bottom thicknesses recommended in the UL or API standards in order to certify that those tank systems have sufficient structural integrity and are acceptable for the storing and/or treating of hazardous waste.

Throughout the assessment performed by TEC, PCPG personnel were very cooperative and furnished all requested information promptly and completely.

BACKGROUND DATA

The background information used to prepare our assessments is contained in this section of the Report and includes:

1. Physical Characteristics of the Tanks (Appendix A)
2. Material Safety Data Sheets (Appendix B)
3. Site Plan (Appendix C)
4. PSC Inspection Schedule (Appendix D)
5. UL 142 (partial)
6. API 650 (partial)
7. API 653 (partial)

ON-SITE REVIEW

TEC measured the wall and bottom thicknesses at certain specified locations of the tanks listed in the introduction of this report using a Cygnus-2 standard ultrasonic thickness ("UT") gage and a 2.25 millihertz, 0.5 inch diameter remote probe. The UT measuring equipment uses multiple-echoes to measure thickness without damaging the material being measured. The remote probe sends and receives an ultrasonic signal, which travels through the surface of the material, strikes the opposite surface, and is reflected back to the probe. The UT measuring instrument was calibrated before each measurement using a step-wedge varying in thickness from 0.100 to 0.500 inch. TEC personnel performing the measurements were certified by the American Welding Society (AWS) as qualified to conduct such measurements.

TEC measured wall and bottom thicknesses of each tank at points above and below the weld seams located at the intersection of the tank shell with four imaginary vertical planes radiating from the center of the tank at 0, 90, 180 and 270 degrees, counter-clockwise relative to the tank hatch. The center of the tank hatch represented 0 degrees. TEC recorded the wall and bottom thicknesses measured for each tank on separate data sheets.

Exterior corrosion protection for the tank systems is provided by paint coatings that are several mils thick. TEC observed minor defects in the paint coating, such as cracking and flaking; however, these defects can be easily corrected by routine maintenance activities. TEC also observed some minor staining on the outside of certain tanks. This staining appears to have been caused by spills during fill operations and there is no evidence of any leakage from the tanks. Neither the minor paint defects, nor the staining

affect the structural integrity of the tank systems, or the acceptability of the tank systems for the storing and/or treating of hazardous waste.

TEC also observed that PCPG-30 was slightly deformed. PCPG staff explained that the deformation was caused by pressure in the tank dropping below atmospheric pressure while the tank was being evacuated. Based on TEC's review of the thickness measurements for PCPG-30 and on TEC's visual inspection of the deformed area, TEC has concluded that this minor deformation does not affect the structural integrity of the tank, or the acceptability of the tank for the storing and/or treating of hazardous waste.

THRESHOLD WALL AND BOTTOM THICKNESS SCREENING CRITERIA

TEC reviewed the wall and bottom thicknesses recommended in three technical guidance documents in order to identify threshold thicknesses to use as a screening mechanism to identify tanks that may be certified as having sufficient structural integrity and as being acceptable for the storing and/or treating of hazardous waste in accordance with 40 C.F.R. 264.191(a) or 40 C.F.R. 264.192(a) without any additional evaluation. First, UL Standard 142, which is applicable to above-ground steel tanks having a capacity over 1100 gallons and containing flammable and combustible liquids, recommends a minimum wall thickness of 167 mils and bottom thickness of 240 mils. Second, API Standard 650, which is applicable to welded steel tanks having a diameter of less than 50 feet containing oil, recommends a nominal plate thickness of approximately 188 mils. Third, API Standard 653, which is applicable to tank inspection, repair, alteration and reconstruction, sets forth an empirical formula based on several variables for calculating a recommended minimum thickness; however, the calculated thickness is always equal to, or greater than 100 mils. In order to be conservative, TEC selected the largest recommended thicknesses as the applicable screening criteria. Tank systems that meet the screening criteria are certifiable without additional engineering analysis. Tank systems that do not meet the screening criteria must be subjected to further evaluation.

The following table identifies tanks with a measured minimum wall thickness of over 188 mils and a measured minimum bottom thickness of over 240 mils.

Mr. Alan Kinsler
Philip Service Corp.
June 9, 1998

TEC Report Number: 35771-1

TABLE 1

Tank System	Measured Minimum Wall Thickness (mils)	Measured Minimum Bottom Thickness (mils)	Meets Threshold Screening Criteria
S-9	124	220	No
S-10	144	232	No
S-11	128	224	No
S-14	288	508	Yes
PCPG-16	192	*	Yes
PCPG-17	204	*	Yes
PCPG-18	216	*	Yes
PCPG-19	196	*	Yes
PCPG-20	348	*	Yes
PCPG-21	212	*	Yes
PCPG-22	214	*	Yes
PCPG-23	216	*	Yes
PCPG-24	210	*	Yes
PCPG-25	336	*	Yes
PCPG-26	226	*	Yes
PCPG-27	208	*	Yes
PCPG-28	198	*	Yes
PCPG-29	220	*	Yes
PCPG-30	212	*	Yes
PCPG-32	232	344	Yes
PCPG-33	228	364	Yes
PCPG-34	160	*	No
PCPG-41	272	*	Yes
PCPG-44	116	104	No
S-61	236	240	No
S-62	214	244	Yes
S-63	244	248	Yes
S-64	216	248	Yes
S-65	240	172	No
S-66	238	240	No
S-67	242	240	No
S-68	224	236	No
S-69	228	236	No
S-70	232	240	No

*= Not measured

Based on the minimum thicknesses reported in Table 1, the following tank systems can be certified as having sufficient structural integrity and as being acceptable for the storing and/or treating of hazardous waste in accordance with 40 C.F.R. 264.191(a) and 40 C.F.R. 264.192(a), without any further evaluation: S-14, PCPG-16, PCPG-17, PCPG-18, PCPG-19, PCPG-20, PCPG-21, PCPG-22, PCPG-23, PCPG-24, PCPG-25, PCPG-26, PCPG-27, PCPG-28, PCPG-29, PCPG-30, PCPG-32, PCPG-33, PCPG-41, S-62, S-63, and S-64.

ADDITIONAL EVALUATION

The following tank systems did not meet the threshold screening criteria and, therefore, require further evaluation: S-9, S-10, PCPG-34, PCPG-44, S-61, S-65, S-66, S-67, S-68, S-69, and S-70. It should be noted that, for PCPG-34, PCPG-44, S-65, S-68, and S-69, only one measurement did not meet the threshold screening criteria. All other measurements of these tanks exceeded the threshold screening criteria. As an initial matter, it should be emphasized that the rules promulgated by the United States Environmental Protection Agency ("EPA") do not require any minimum shell thickness for tanks used to store or treat hazardous waste because such a requirement imposes "an unjustified burden on many owners and operators of tank facilities" and "is of limited effectiveness in controlling releases from tanks." 50 Fed. Reg. 26444, 26459 (June 26, 1985). In the Federal Register preamble to the EPA's proposed rule amendment that eliminated the shell thickness requirement, EPA stated:

> On the basis of information it has accumulated, public comments, and permitting officials' experiences with implementing the shell thickness requirement, EPA has reconsidered the effectiveness of shell thickness determinations in the overall regulatory strategy for managing hazardous wastes at tank facilities. The Agency concludes that in view of all the technical, safety, and cost issues associated with the determination of tank shell thickness, the existing standard is not effective and, therefore, not warranted. Accordingly, today's amendments propose to delete this requirement from 264.191.

50 Fed. Reg. 26459. Therefore, although tank shell thickness may be a relevant factor in assessing the integrity of a tank system, there is no minimum requirement that must be met in order for a tank system to be certified under 40 C.F.R. 264.191 or 40 C.F.R. 264.192.

As noted in the previous section of this report, API Standard 653 sets forth an empirical formula based on several variables for calculating a recommended minimum thickness, which is always equal to, or greater than 100 mils. When this formula is applied to the tank systems that did not meet the threshold screening criteria, the recommended

minimum thickness is 100 mils for all tanks. All tanks currently exceed this recommended minimum thicknesses and, accordingly, may be certified as currently having sufficient structural integrity and as being acceptable for the storing and/or treating of hazardous waste; however, due to the anticipated rate of corrosion of these tanks, they should be inspected periodically in order to verify that they continue to exceed the recommended minimum thickness.

Using tank wall thickness measurements conducted six years apart, TEC has calculated the average annual rate of corrosion to be 2.67 mils. With a safety factor of 3, the maximum annual rate of corrosion would be 8 mils. Based on the measured minimum thickness for each tank that did not meet the threshold screening criteria, the maximum annual average rate of corrosion, and the minimum thickness recommended by API Standard 653, Table 2 sets forth the recommended inspection frequencies necessary to certify that these tanks will continue to have sufficient structural integrity and be acceptable for the storing and/or treating of hazardous waste.

TABLE 2

Tank	Recommended Inspection Frequency
S-9	Annually
S-10	Every two years
S-11	Every two years
PCPG-34	Every three years
PCPG-44	Annually
S-61	Every four years
S-65	Annually
S-66	Every four years
S-67	Every four years
S-68	Every four years
S-69	Every four years
S-70	Every four years

SECONDARY CONTAINMENT

The secondary containment structure for S-9, S-10, S-11 and S-14 consists of a concrete floor surrounded by a concrete wall that is 9 inches thick and 68 inches high at its lowest point. Both the wall and floor have minor cracks, which must be sealed. Rod holes in the walls must also be plugged with grout. The vertical joints where the wall abuts an adjacent wall to the west have separated and must be sealed. None of these minor defects, however, renders the secondary containment ineffective or affects the

certification of the tank systems. The capacity of this secondary containment system is 73,860 gallons, which is 211% of the total capacity of S-9, S-10, S-11, and S-14.

The secondary containment structure for PCPG-16, PCPG-17, PCPG-18, PCPG-19 PCPG-20, PCPG-21, PCPG-22, PCPG-23, PCPG-24, PCPG-25, PCPG-26, PCPG-27, PCPG-28, PCPG-29, PCPG-30 consists of a concrete floor surrounded by a concrete wall 8 inches thick and 36 inches high. TEC observed minor cracks in the concrete floor, which must be sealed. These minor cracks do not render the secondary containment ineffective or affect the certification of the tank systems. The walls appeared to be well maintained. Each tank sits on a concrete pad that is 14 feet square and 6 inches high. The capacity of this secondary containment system is 133,700 gallons.

CONCLUSION

Based on the foregoing, S-14, PCPG-16, PCPG-17, PCPG-18, PCPG-19, PCPG-20, PCPG-21, PCPG-22, PCPG-23, PCPG-24, PCPG-25, PCPG-26, PCPG-27, PCPG-28, PCPG-29, PCPG-30, PCPG-32, PCPG-33, PCPG-41, S-62, S-63, and S-64, can be certified as having sufficient structural integrity and as being acceptable for the storing and/or treating of hazardous waste in accordance with 40 C.F.R. 264.191(a) and 40 C.F.R. 264.192(a). In addition, S-9, S-10, S-11, PCPG-34, PCPG-44, S-61, S-66, S-67, S-68, S-69, and S-70 can also be certified, provided that those tanks are reinspected according to the schedule set forth in Table 2 of this report.

END OF REPORT

Testing Engineers & Consultants, Inc.
1333 Rochester Road • PO Box 249 • Troy, Michigan 48099-0249
(248) 588-6200 or (313) T-E-S-T-I-N-G
Fax (248) 588-6232

HAZARDOUS WASTE STORAGE TANK CERTIFICATION

I hereby certify that the hazardous waste storage tank systems located at Petro-Chem Processing Group of Nortru, Inc.'s ("PCPG") Detroit, Michigan facility identified as S-14, PCPG-32, PCPG-33, S-62, S-63 and S-64 are neither leaking nor unfit for use and are adequately designed and have sufficient strength and compatibility with the wastes stored or treated therein to ensure that they will not collapse, rupture, or fail in accordance with 40 C.F.R. 264.191(a).

I further certify that the hazardous waste storage tank systems located at PCPG's Detroit, Michigan facility identified as S-9, S-10, S-11, PCPG-34, PCPG-41, PCPG-44, S-61, S-65, S-66, S-67, S-68, S-69, and S-70 are neither leaking nor unfit for use and are adequately designed and have sufficient structural strength and compatibility with the wastes stored or treated therein to ensure that they will not collapse, rupture, or fail in accordance with 40 C.F.R. 264.191(a), provided that these tank systems are reinspected according to the schedule set forth in Table 2 of Report 35771-1 prepared by Testing Engineers & Consultants, Inc., to which this Certification is attached.

I further certify that the hazardous waste storage tank systems located at PCPG's Detroit, Michigan facility identified as PCPG-16, PCPG-17, PCPG-18, PCPG-19, PCPG-20, PCPG-21, PCPG-22, PCPG-23, PCPG-24, PCPG-25, PCPG-26, PCPG-27 PCPG-28, PCPG-29, and PCPG-30 have sufficient structural integrity and are acceptable for the storing and treating of hazardous waste in accordance with 40 C.F.R. 264.192(a).

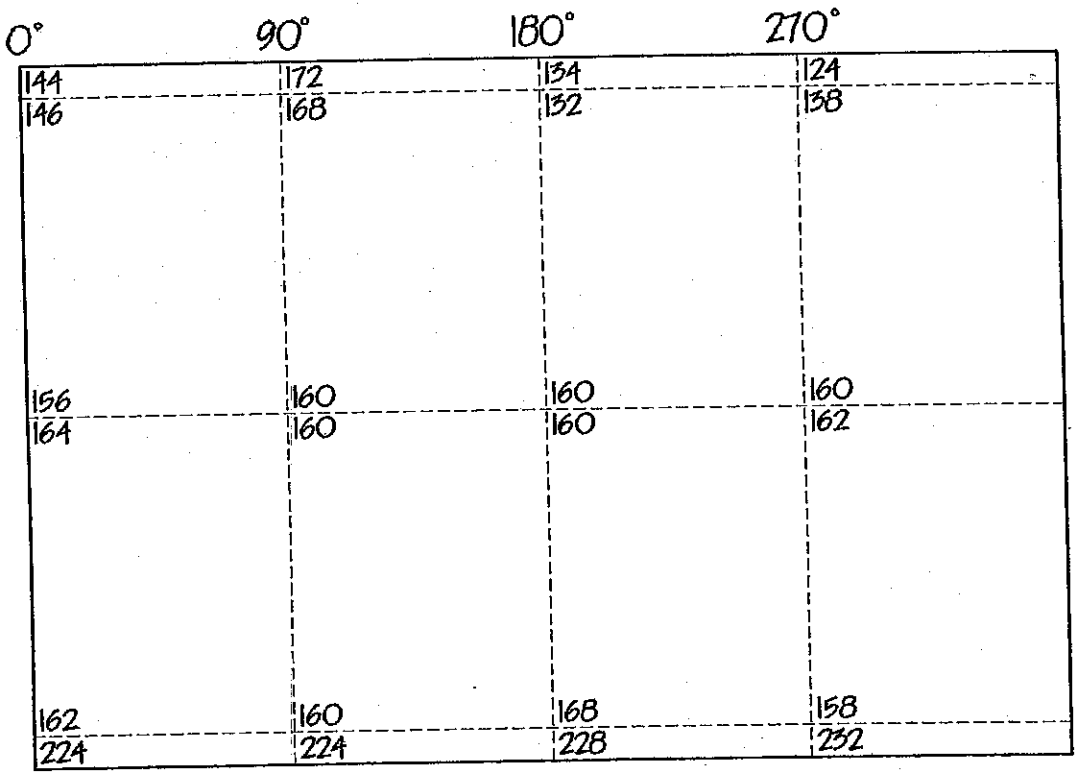
I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

TESTING ENGINEERS & CONSULTANTS, INC.

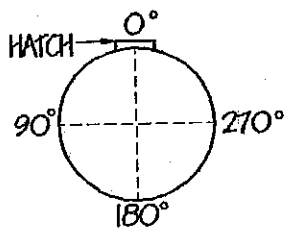
STATE OF MICHIGAN
DONALD L. MALINOWSKI
ENGINEER
No. 17190
LICENSED PROFESSIONAL ENGINEER

By: Donald L. Malinowski

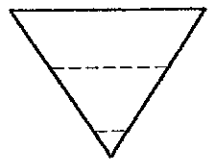
Donald L. Malinowski, P.E.
Senior Project Manager
Registration Number 17190



KEY



BOTTOM	MIDDLE	BOTTOM
0°	220	232
90°	226	236
180°	228	234
270°	232	236



REV.	DATE	BY	DESCRIPTION

TESTING ENGINEERS & CONSULTANTS, INC.
13333 Rochester Road - P.O. Box 249
Troy, MI 48099-0249
(248) 588-6200 Fax (248) 588-6232

PROJECT: TANK #9

CLIENT: PHILLIPS SERVICE CORP.

ENGR. \ CONSULTING: DON MALINOWSKI

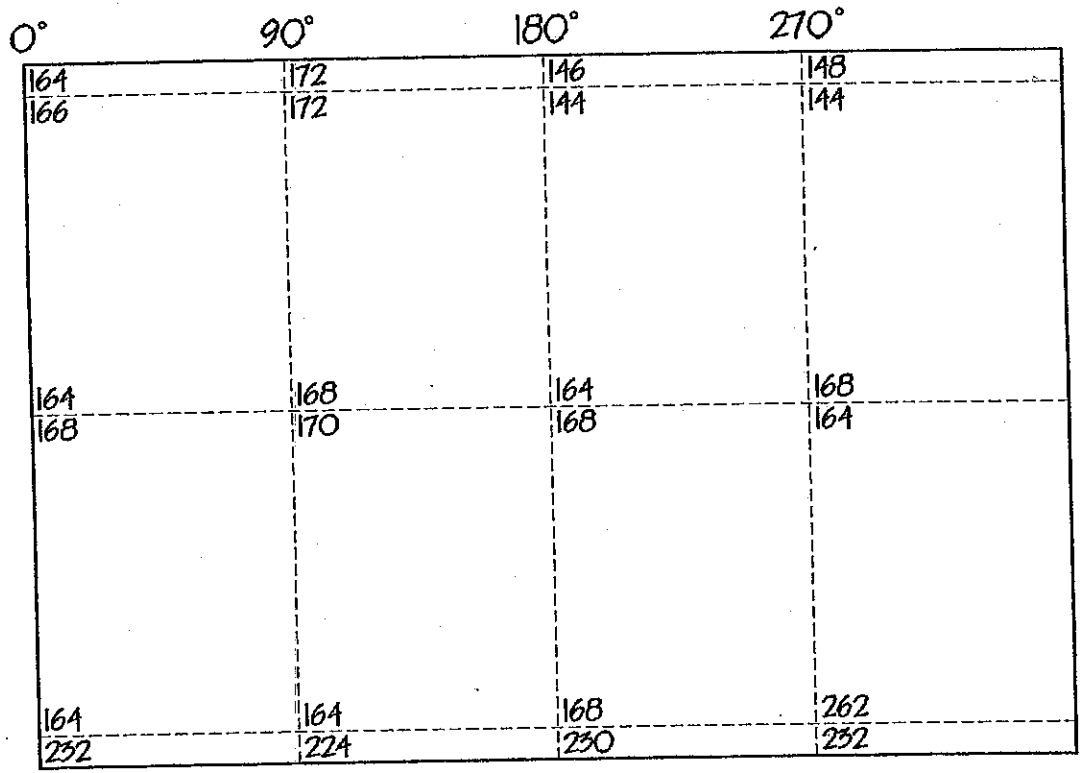
DRAWN BY: JEFF KRAMER

JOB #: 35771

SCALE: NOT TO SCALE

DATE: 6/6/98

SHEET #: 9



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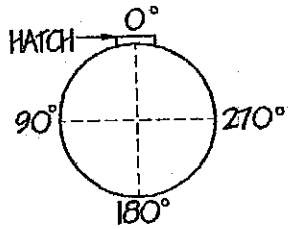

BOTTOM	MIDDLE	BOTTOM
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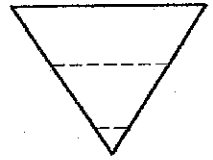
90°	232	236
180°	232	236
270°	236	236



REV.	DATE	BY	DESCRIPTION

TESTING ENGINEERS & CONSULTANTS, INC.
1333 Rochester Road - P.O. Box 249
Troy, MI 48099-0249
(248) 588-6200 Fax (248) 588-6232

PROJECT: TANK #10

CLIENT: PHILLIPS SERVICE CORP.

ENGR. \ CONSULTANT: DON MALINOWSKI

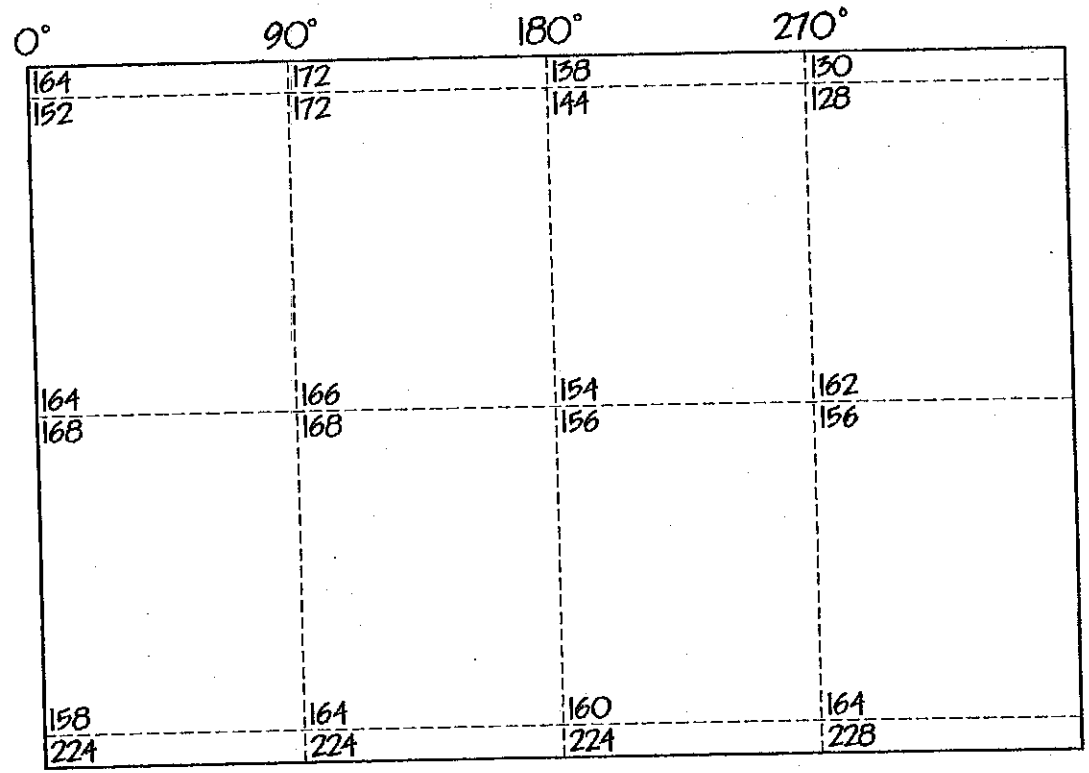
DRAWN BY: JEFF KRAMER

JOB NO.: 35771

SCALE: NOT TO SCALE

DATE: 6/6/98

SHEET NO.: 10



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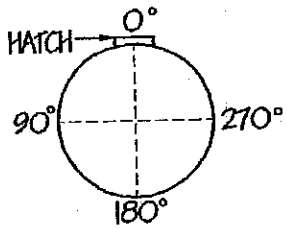
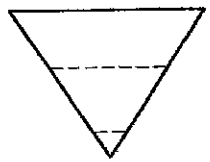


BOTTOM	MIDDLE	BOTTOM
0°	224	234
90°	232	236
180°	232	236
270°	236	232



TESTING ENGINEERS & CONSULTANTS, INC.
1333 Rochester Road - P.O. Box 249
Troy, MI 48099-0249
(248) 588-6200 Fax (248) 588-6232

PROJECT: TANK # 11

CLIENT: PHILLIPS SERVICE CORP.

DESIGN \ DRAWING: DON MALINOWSKI

REVIEW: JEFF KRAMER

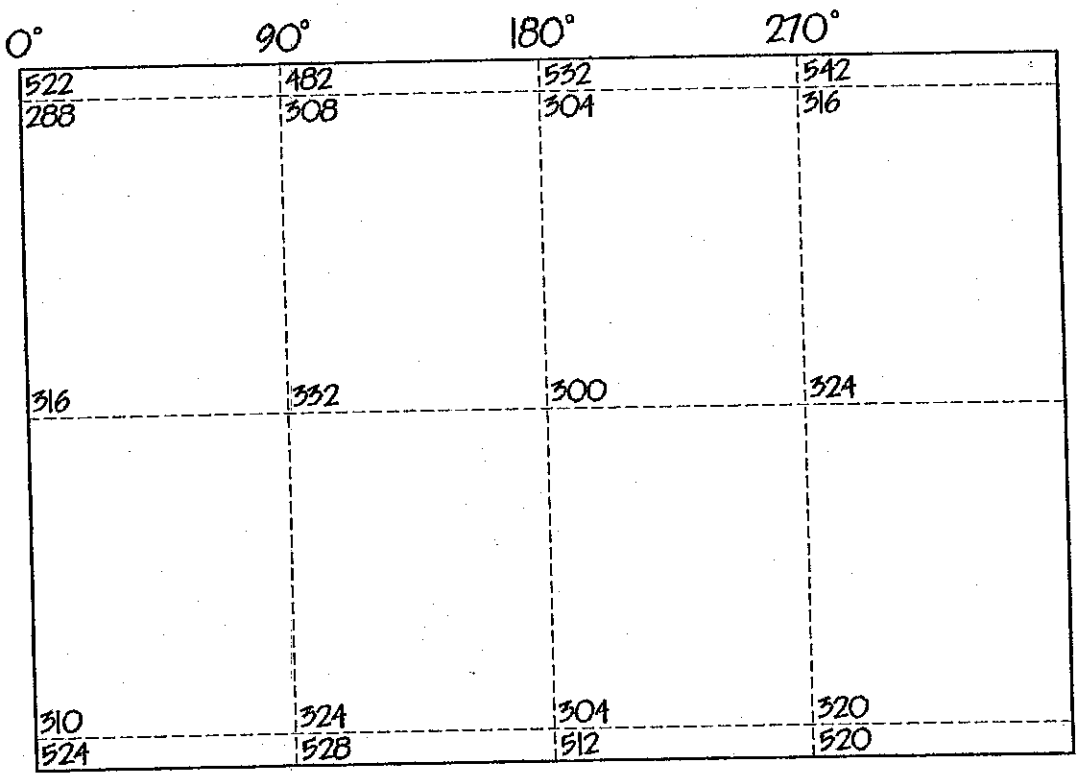
JOB No.: 3577

SCALE: NOT TO SCALE

DWG: 6/6/98

SHEET No.: 11

REV.	DATE	BY	DESCRIPTION



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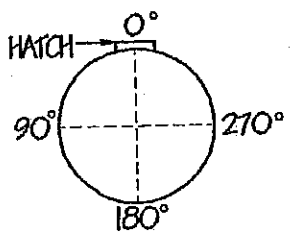

BOTTOM	MIDDLE	BOTTOM
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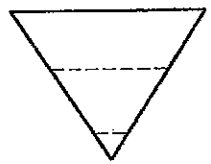
90°		508
180°		508
270°		512



TESTING ENGINEERS & CONSULTANTS, INC.
1333 Rochester Road - P.O. Box 249
Troy, MI 48099-0249
(248) 588-6200 Fax (248) 588-6232

PROJECT: TANK #14

CLIENT: PHILLIPS SERVICE CORP.

ENGR. \ CONSULTANT: DON MALINOWSKI

DRAWN BY: JEFF KRAMER

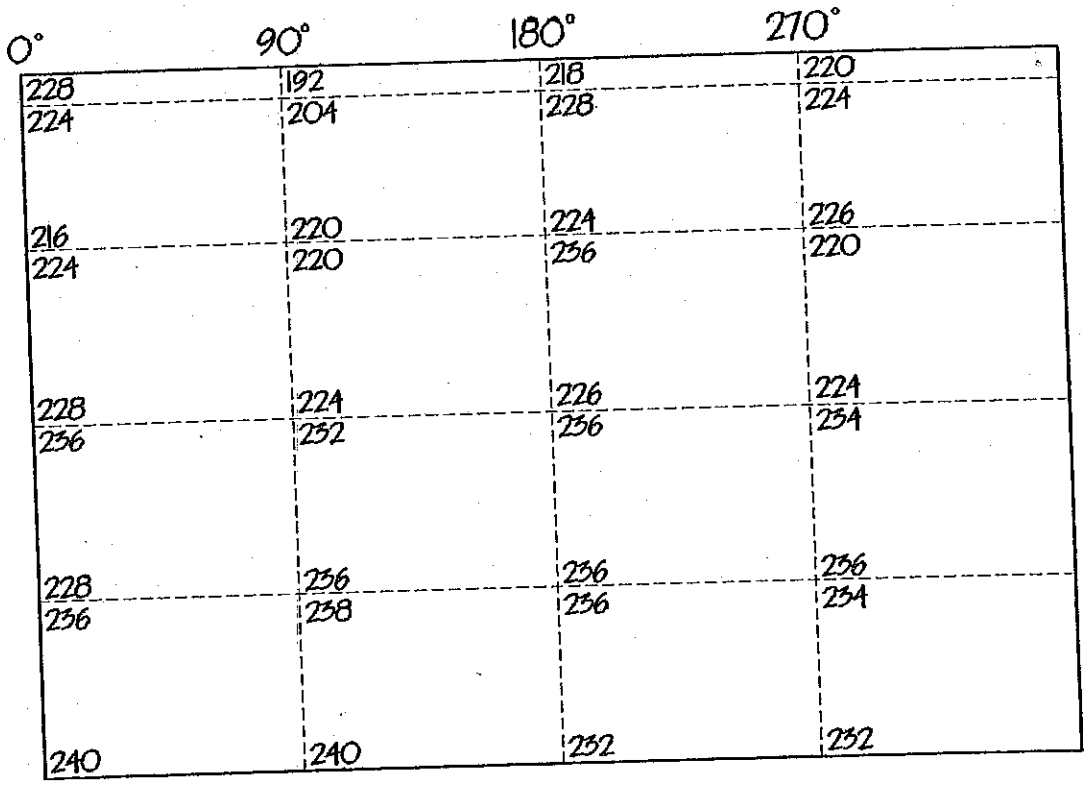
JOB NO.: 3577I

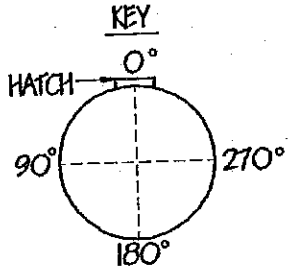
SCALE: NOT TO SCALE

DATE: 6/6/98

SHEET NO.: 14

REV.	BY	DATE	DESCRIPTION





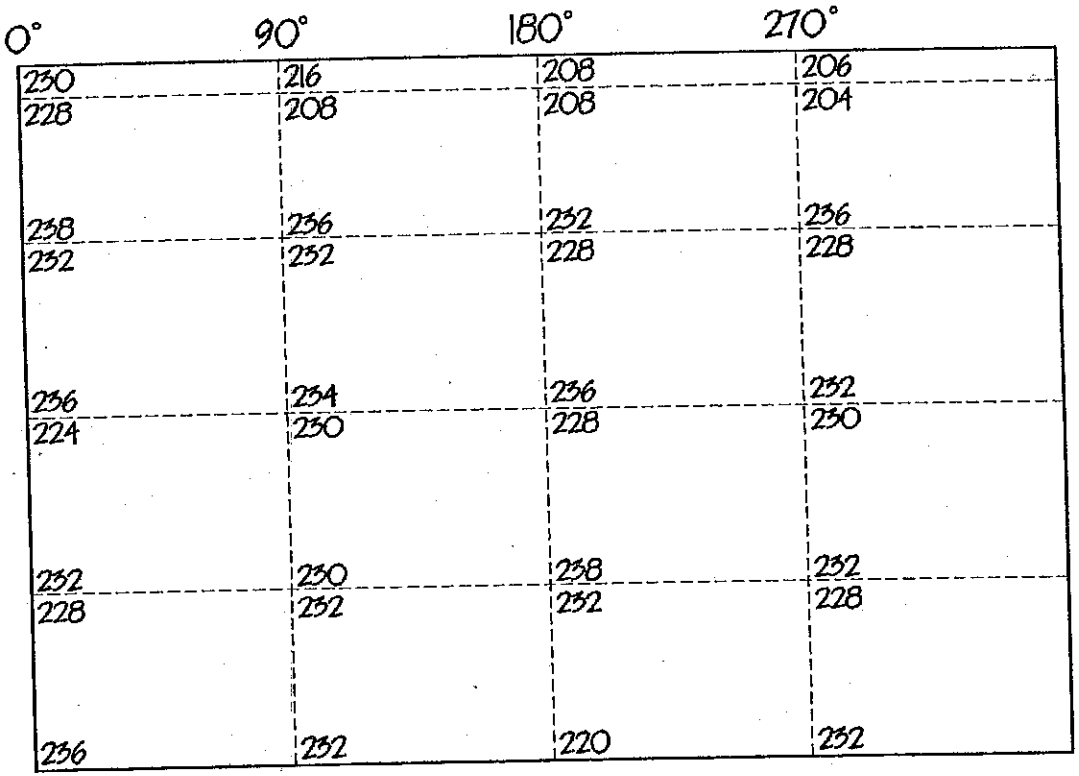
REV.	DATE	BY	DESCRIPTION

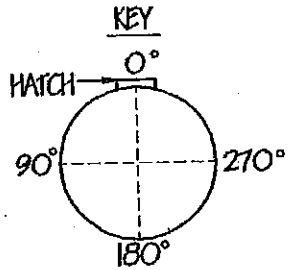
TESTING ENGINEERS & CONSULTANTS, INC.
1333 Rochester Road - P.O. Box 249
Troy, MI 48099-0249
(248) 588-6200 Fax (248) 588-6232

PROJECT: TANK #16

CLIENT: PHILLIPS SERVICE CORP.

ENGR. \ CONSULTANT	DON MALINOWSKI
DRAWN BY	JEFF KRAMER
JOB NO.	3577I
SCALE	NOT TO SCALE
DATE	6/6/98
SHEET NO.	16





REV.	DATE	BY	DESCRIPTION

TESTING ENGINEERS & CONSULTANTS, INC.
1333 Rochester Road - P.O. Box 249
Troy, MI 48099-0249
(248) 588-6200 Fax (248) 588-6232

PROJECT: TANK #17

CLIENT: PHILLIPS SERVICE CORP.

ENGR. \ CONSULTANT: DON MALINOWSKI

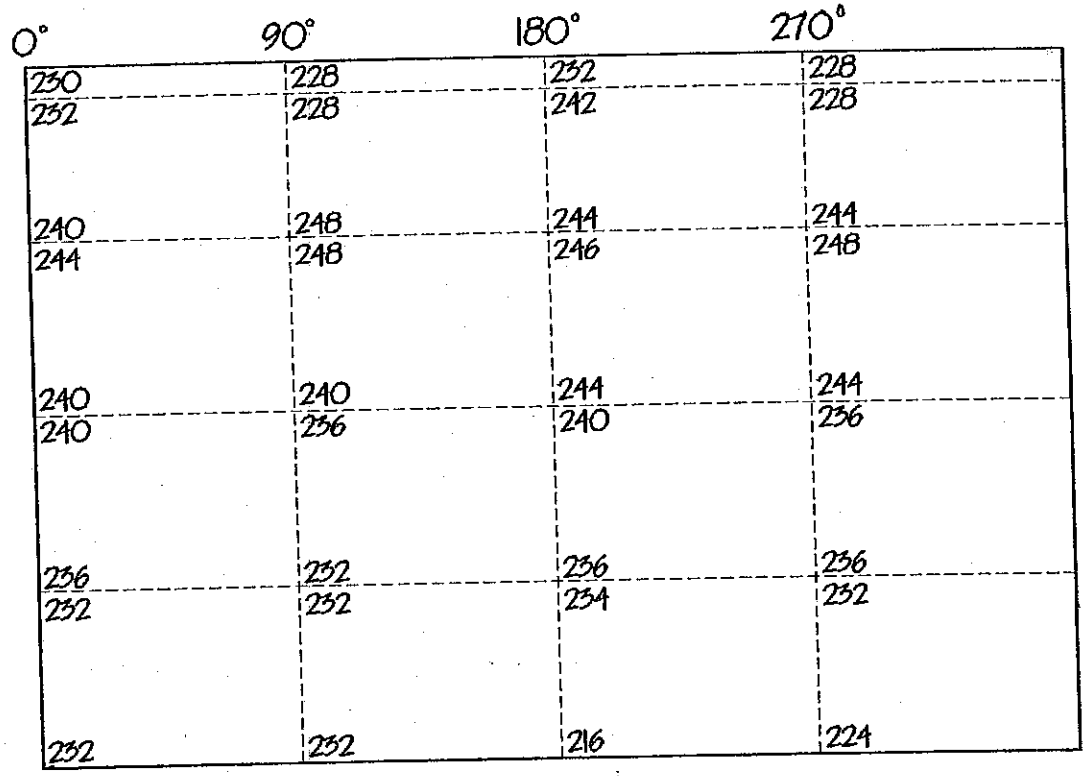
DRAWN BY: JEFF KRAMER

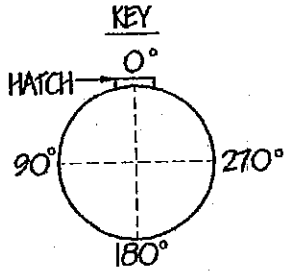
JOB #: 35771

SCALE: NOT TO SCALE

DATE: 6/6/98

SHEET #: 17





REV.	DATE	BY	DESCRIPTION

TESTING ENGINEERS & CONSULTANTS, INC.
13333 Rochester Road - P.O. Box 249
Troy, MI 48099-0249
(248) 588-6200 Fax (248) 588-6232

PROJECT: TANK #18

CLIENT: PHILLIPS SERVICE CORP.

ENGR. \ CONSULTANT: DON MALINOWSKI

DRAWN BY: JEFF KRAMER

JOB #: 35771

SCALE: NOT TO SCALE

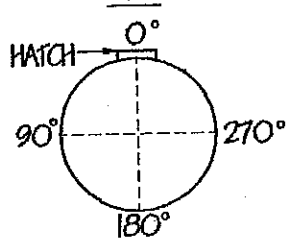
DATE: 6/6/98

SHEET #: 18

0°	90°	180°	270°
196 200	204 218	204 212	228 212
236 240	232 236	232 236	236 236
232 232	232 228	230 228	232 232
232 232	228 232	236 236	232 234

INSULATION AT BOTTOM RING

KEY



TESTING ENGINEERS & CONSULTANTS, INC.
1333 Rochester Road - P.O. Box 249
Troy, MI 48099-0249
(248) 588-6200 Fax (248) 588-6232

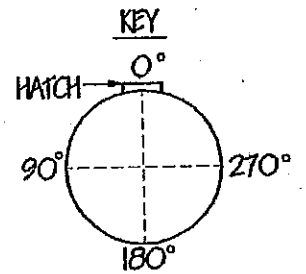
PROJECT: TANK #19

CLIENT: PHILLIPS SERVICE CORP.

DRAWN \ CONSULTING	DON MALINOWSKI
REVIEWED	JEFF KRAMER
JOB #	35771
SCALE	NOT TO SCALE
DATE	6/6/98
SHEET #	19

NO.	BY	DATE	DESCRIPTION

0°	90°	180°	270°
364	352	356	348
356	360	360	356
360	360	360	360
364	368	360	368
348	352	356	356
356	348	356	356
360	356	352	356
356	368	352	348
368	380	368	366



TESTING ENGINEERS & CONSULTANTS, INC.
13333 Rochester Road - P.O. Box 249
Troy, MI 48099-0249
(248) 588-6200 Fax (248) 588-6232

PROJECT: TANK #20

CLIENT: PHILLIPS SERVICE CORP.

ENGR. \ CONSULTANT: DON MALINOWSKI

DRAWN BY: JEFF KRAMER

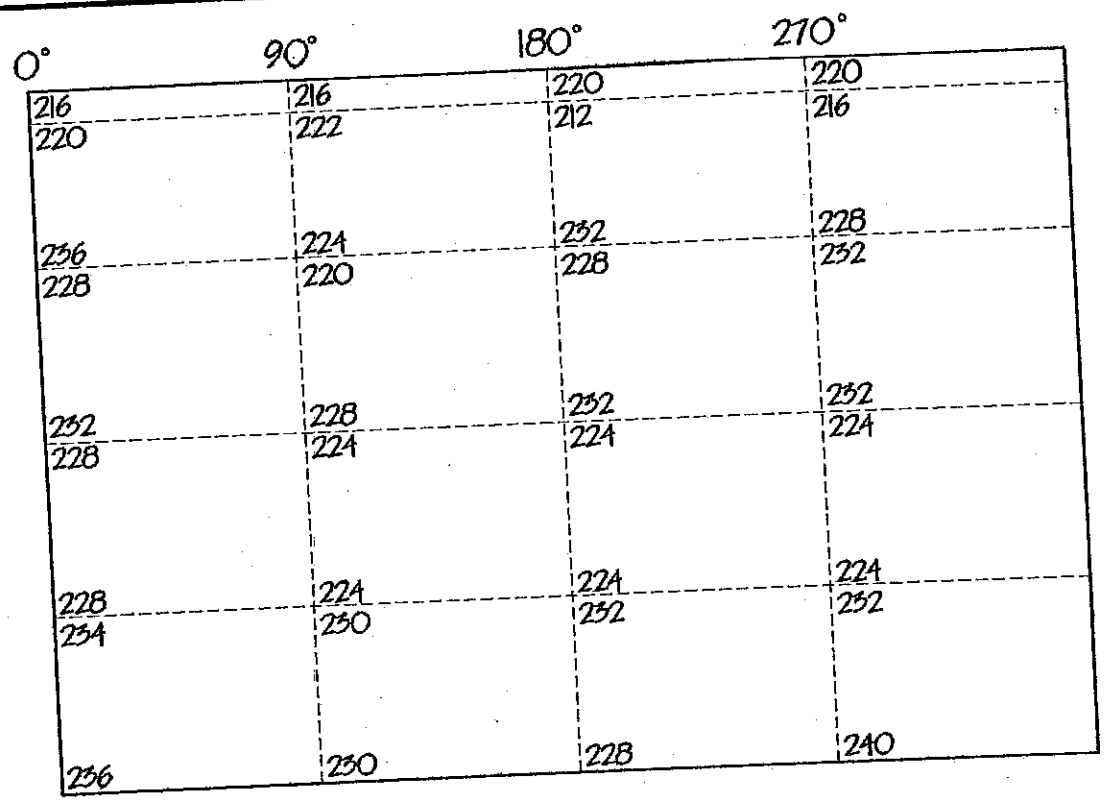
JOB NO.: 3577I

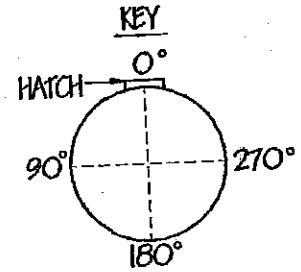
SCALE: NOT TO SCALE

DATE: 6/6/98

SHEET NO.: 20

REV.	MADE	BY	DESCRIPTION





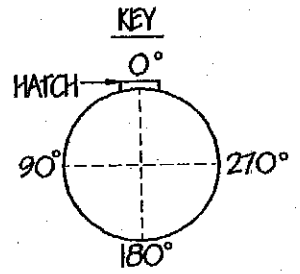
TESTING ENGINEERS & CONSULTANTS, INC.
1333 Rochester Road - P.O. Box 249
Troy, MI 48099-0249
(248) 588-6200 Fax (248) 588-6252

PROJECT: TANK #21
CLIENT: PHILLIPS SERVICE CORP.

ORIG. \ CONSULTANT: DON MALINOWSKI
DRAWN BY: JEFF KRAMER
JOB NO.: 35771
SCALE: NOT TO SCALE
DATE: 6/6/98
SHEET NO.: 21

REV.	BY	DESCRIPTION

0°	90°	180°	270°
216	216	216	214
220	222	220	216
236	236	232	228
232	230	224	228
232	232	232	232
232	234	240	240
234	236	236	236
236	234	232	232
240	236	232	240



TESTING ENGINEERS & CONSULTANTS, INC.
13533 Rochester Road - P.O. Box 249
Troy, MI 48099-0249
(248) 588-6200 Fax (248) 588-6232

PROJECT: TANK # 22

CLIENT: PHILLIPS SERVICE CORP.

ENGR. \ CONSULTANT: DON MALINOWSKI

PREPARED BY: JEFF KRAMER

JOB #: 35771

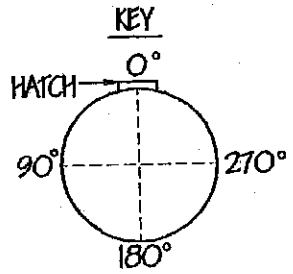
SCALE: NOT TO SCALE

DATE: 6/6/98

SHEET #: 22

BY	CHK	IN	DESCRIPTION

0°	90°	180°	270°
228	220	216	216
228	220	224	225
232	228	232	228
232	224	228	220
228	232	232	228
232	232	232	228
228	226	228	228
216	228	230	226
236	236	216	224



TESTING ENGINEERS & CONSULTANTS, INC.
13533 Rochester Road - P.O. Box 249
Troy, MI 48099-0249
(248) 588-6200 Fax (248) 588-6232

PROJECT: TANK #23

CLIENT: PHILLIPS SERVICE CORP.

DRAWN / CORRECTED: DON MALINOWSKI

CHECKED BY: JEFF KRAMER

JOB NO.: 35771

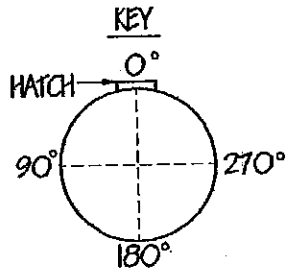
SCALE: NOT TO SCALE

DATE: 6/6/98

SHEET NO.: 25

REV.	DATE	BY	DESCRIPTION

0°	90°	180°	270°
228 224	210 224	216 220	220 228
230 224	230 228	232 228	232 228
226 228	228 230	228 232	228 232
224 222	220 220	226 224	228 224
232	232	220	232



TESTING ENGINEERS & CONSULTANTS, INC.
1333 Rochester Road - P.O. Box 249
Troy, MI 48099-0249
(248) 588-6200 Fax (248) 588-6232

PROJECT: TANK # 24

CLIENT: PHILLIPS SERVICE CORP.

DRAWN \ CORRECTIONS: DON MALINOWSKI

REVIEWED: JEFF KRAMER

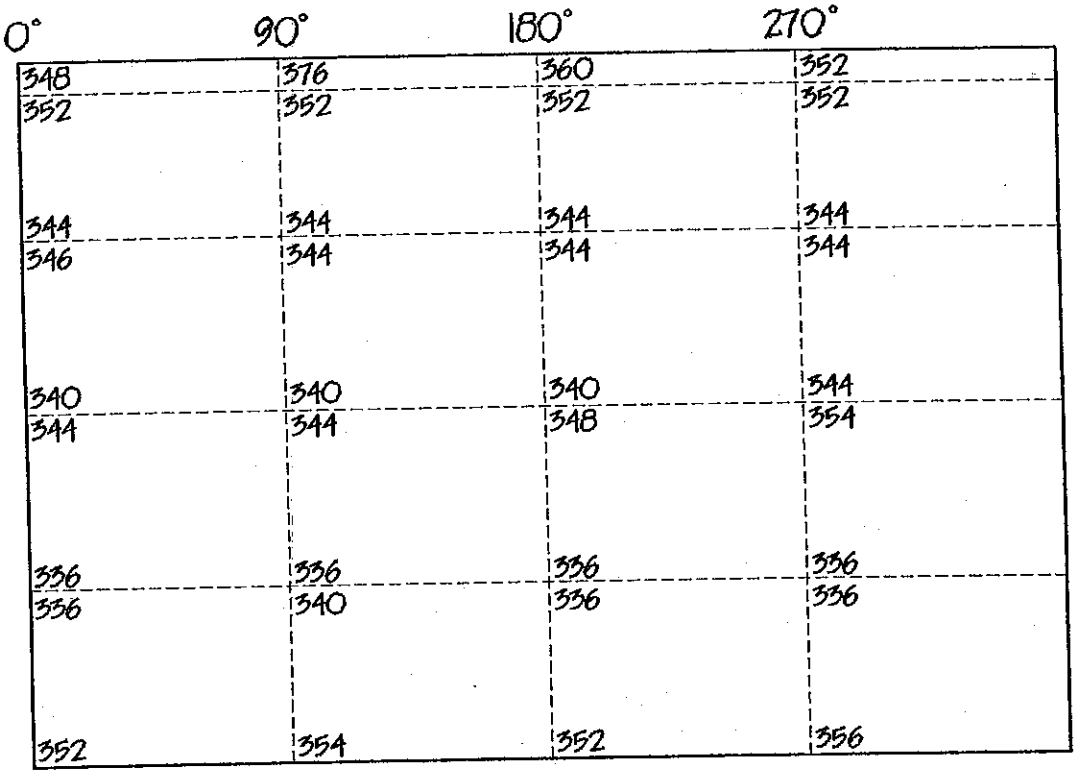
JOB #: 35771

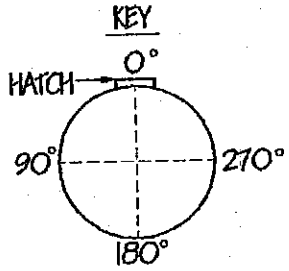
SCALE: NOT TO SCALE

DATE: 6/6/98

SHEET #: 2A

REV.	DATE	BY	DESCRIPTION





TESTING ENGINEERS & CONSULTANTS, INC.
1333 Rochester Road - P.O. Box 249
Troy, MI 48099-0249
(248) 588-6200 Fax (248) 588-6232

PROJECT: TANK #25

CLIENT: PHILLIPS SERVICE CORP.

DRAWN / CONSULTING: DON MALINOWSKI

PREPARED: JEFF KRAMER

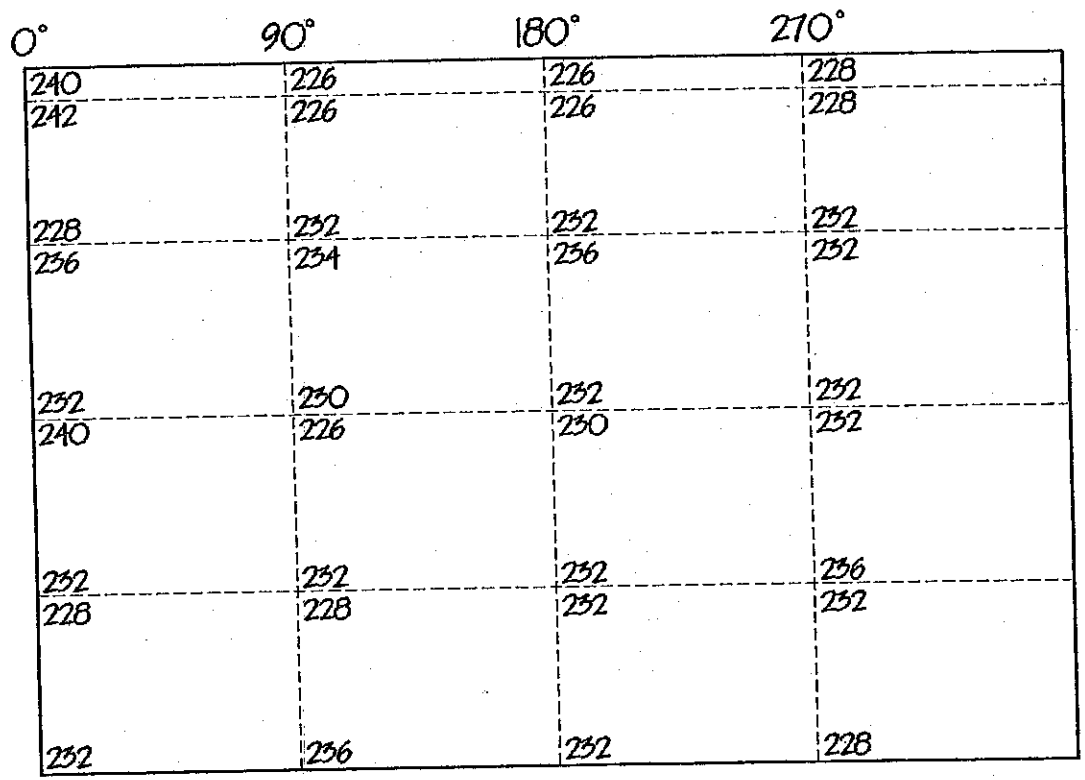
JOB NO.: 35771

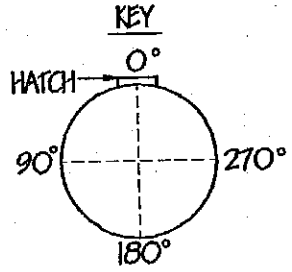
SCALE: NOT TO SCALE

DATE: 6/6/98

SHEET NO.: 25

NO.	DATE	BY	DESCRIPTION





REV.	DATE	BY	DESCRIPTION

TESTING ENGINEERS & CONSULTANTS, INC.
13333 Rochester Road - P.O. Box 249
Troy, MI 48099-0249
(248) 588-6200 Fax (248) 588-6232

PROJECT: TANK #26

CLIENT: PHILLIPS SERVICE CORP.

ENGR \ CONSULTANT: DON MALINOWSKI

DRAWN BY: JEFF KRAMER

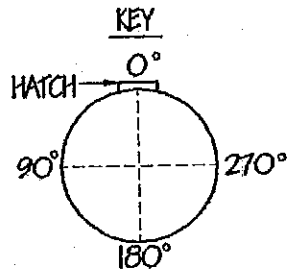
JOB #: 3577I

SCALE: NOT TO SCALE

DATE: 6/6/98

SHEET #: 26

0°	90°	180°	270°
208	216	220	224
218	216	212	224
232	234	236	236
236	234	240	240
240	240	244	240
236	242	244	240
234	236	236	238
234	232	230	232
232	236	236	224



TESTING ENGINEERS & CONSULTANTS, INC.
13333 Rochester Road - P.O. Box 249
Troy, MI 48099-0249
(248) 588-6200 Fax (248) 588-6232

PROJECT: TANK #27

CLIENT: PHILLIPS SERVICE CORP.

BASE \ CONSULTANT: DON MALINOWSKI

DRAWN BY: JEFF KRAMER

T.E.C. #: 35771

SCALE: NOT TO SCALE

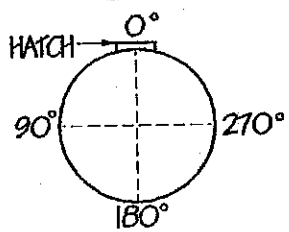
DATE: 6/6/98

SHEET #: 27

REV.	PROJ.	BY	DESCRIPTION

0°	90°	180°	270°
216 216	232 232	208 216	208 216
224 224	228 224	222 224	220 224
224 216	216 216	224 220	220 216
218 220	212 220	216 216	216 216
220	222	202	198

KEY



REV.	DATE	BY	DESCRIPTION

TESTING ENGINEERS & CONSULTANTS, INC.
1353 Rochester Road - P.O. Box 249
Troy, MI 48099-0249
(248) 588-6200 Fax (248) 588-6232

PROJECT: TANK #28

ENGR. \ CONSULTANT: DON MALINOWSKI

DRAWN: JEFF KRAMER

JOB #: 35771

SCALE: NOT TO SCALE

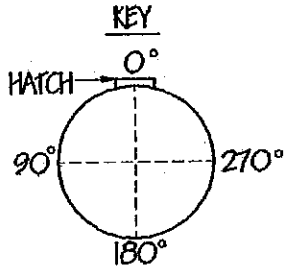
DATE: 6/6/98

SHEET #: 28

CLIENT: PHILLIPS SERVICE CORP.

0°	90°	180°	270°
226 240	228 232	228 238	232 228
240 232	240 228	240 228	240 232
228 232	228 228	228 228	232 228
228 220	228 228	228 228	224 228
232	234	236	220

KEY



TESTING ENGINEERS & CONSULTANTS, INC.
13333 Rochester Road - P.O. Box 249
Troy, MI 48099-0249
(248) 588-6200 Fax (248) 588-6232

PROJECT: TANK # 29

CLIENT: PHILLIPS SERVICE CORP.

CHECK \ CONSULTANT: DON MALINOWSKI

DRAWN BY: JEFF KRAMER

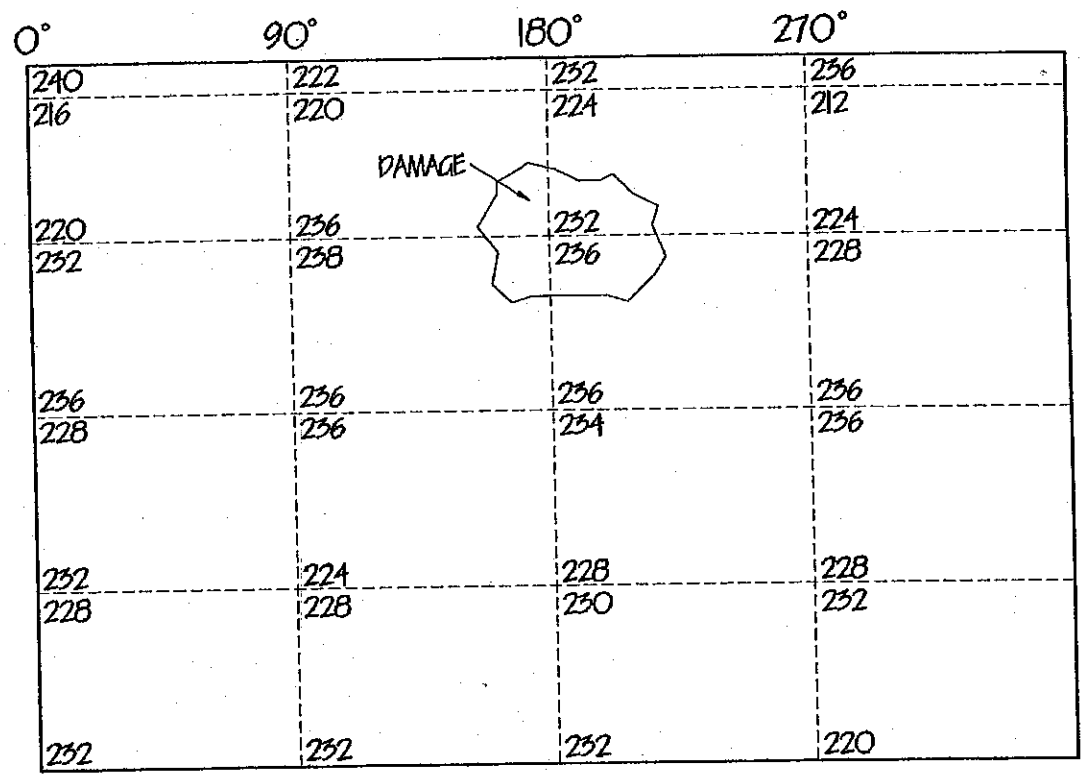
JOB #: 35771

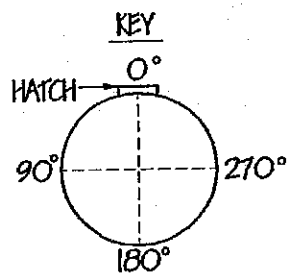
SCALE: NOT TO SCALE

DATE: 6/6/98

SHEET #: 29

NO.	DATE	BY	DESCRIPTION





REV.	DATE	BY	DESCRIPTION

TESTING ENGINEERS & CONSULTANTS, INC.
1333 Rochester Road - P.O. Box 249
Troy, MI 48099-0249
(248) 588-6200 Fax (248) 588-6232

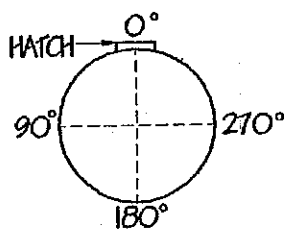
PROJECT: TANK #30

CLIENT: PHILLIPS SERVICE CORP.

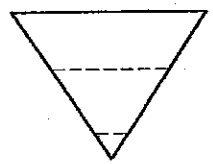
FIELD \ CONSULTANT:	DON MALINOWSKI
DRAWN BY:	JEFF KRAMER
JOB #: 35771	SCALE: NOT TO SCALE
DATE: 6/6/98	SHEET #: 30

0°	90°	180°	270°
240	244	240	256
240	240	240	240
240	240	232	240
240	236	236	240
232	240	240	232
352	368	356	372

KEY



BOTTOM	MIDDLE	BOTTOM
0°		348
90°		358
180°		344
270°		144



TESTING ENGINEERS & CONSULTANTS, INC.
1333 Rochester Road - P.O. Box 249
Troy, MI 48099-0249
(248) 588-6200 Fax (248) 588-6232

PROJECT: TANK #32

CLIENT: PHILLIPS SERVICE CORP.

ENGR. \ CONSULTANT: DON MALINOWSKI

DRAWN BY: JEFF KRAMER

JOB #: 35771

SCALE: NOT TO SCALE

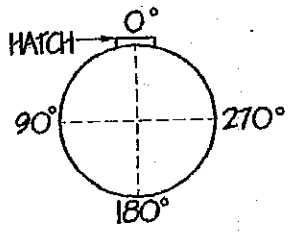
DATE: 6/6/98

SHEET #: 32

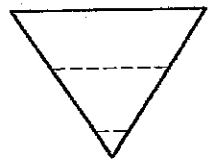
REV.	DATE	BY	DESCRIPTION

0°	90°	180°	270°
400	396	414	330
252	228	252	256
252	230	252	230
240	248	244	240
236	240	252	228
240	240	254	252
256	240	256	252
268	240	240	236
256	252	256	256
396	388	388	380

KEY



BOTTOM	MIDDLE	BOTTOM
0°		368
90°		368
180°		376
270°		364



TESTING ENGINEERS & CONSULTANTS, INC.
13535 Rochester Road - P.O. Box 249
Troy, MI 48099-0249
(248) 588-6200 Fax (248) 588-6252

PROJECT: TANK #33

CLIENT: PHILLIPS SERVICE CORP.

ENGR. \ CONSULTANT: DON MALINOWSKI

DRAWN BY: JEFF KRAMER

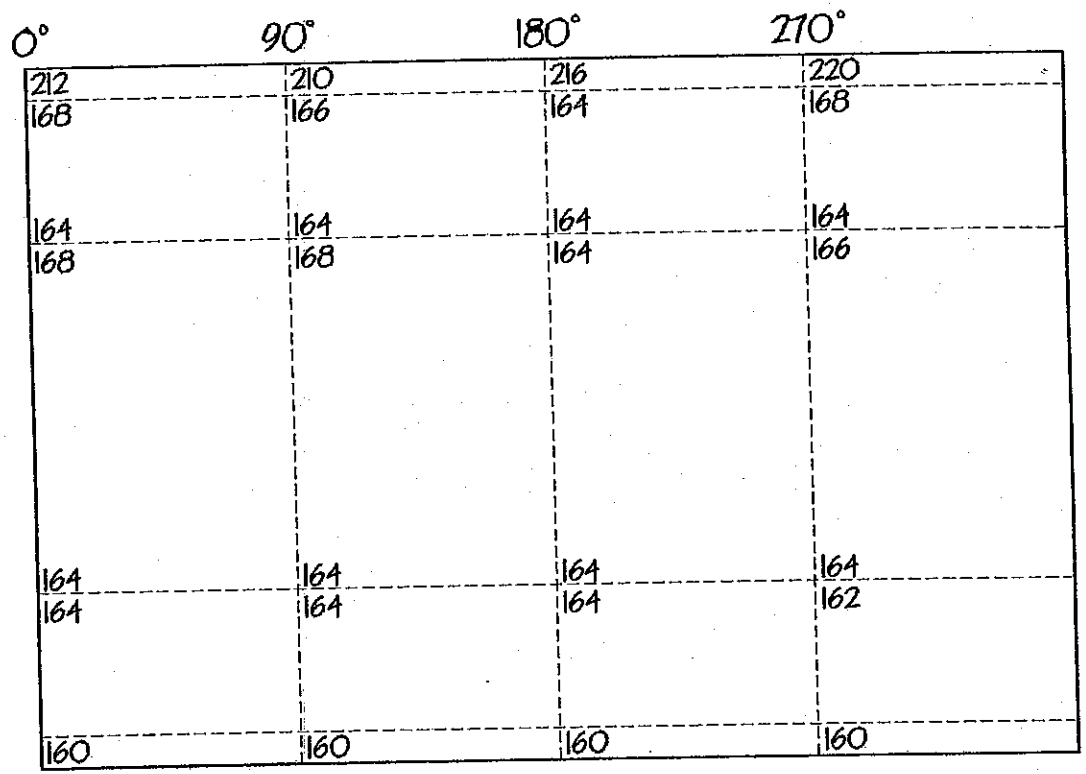
JOB NO.: 35771

SCALE: NOT TO SCALE

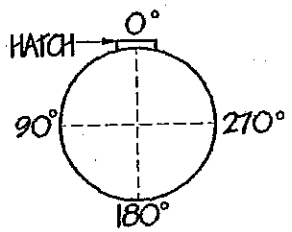
DATE: 6/6/98

SHEET NO.: 33

REV.	DATE	BY	DESCRIPTION



KEY

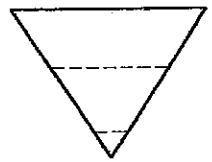


BOTTOM

MIDDLE

BOTTOM

0°
90°
180°
270°



REV.	PREP.	BY	DESCRIPTION

TESTING ENGINEERS & CONSULTANTS, INC.
1333 Rochester Road - P.O. Box 249
Troy, MI 48099-0249
(248) 588-6200 Fax (248) 588-6232

PROJECT: TANK #34

CLIENT: PHILLIPS SERVICE CORP.

PREP. / CONSULTANT: DON MALINOWSKI

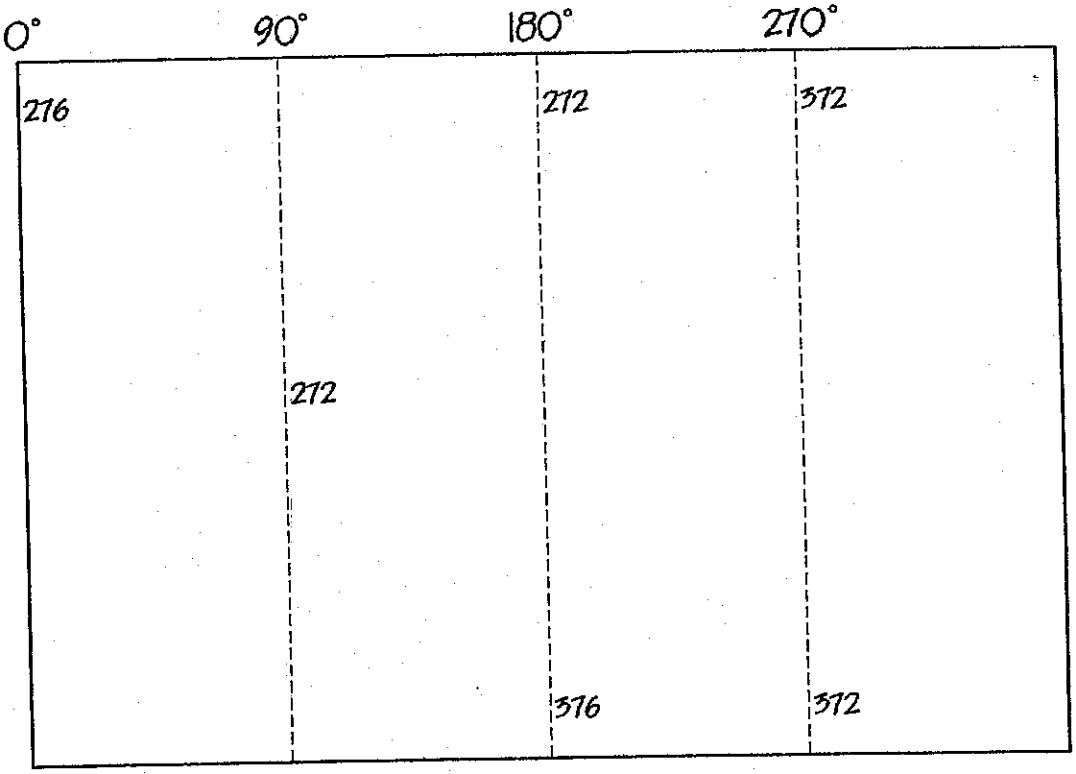
DRAWN BY: JEFF KRAMER

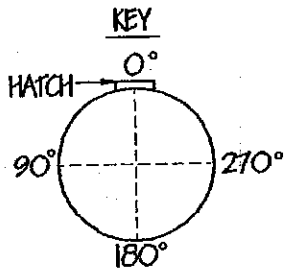
JOB #: 35771

SCALE: NOT TO SCALE

DATE: 6/6/98

SHEET #: 34





TESTING ENGINEERS & CONSULTANTS, INC.
1333 Rochester Road - P.O. Box 249
Troy, MI 48099-0249
(248) 588-6200 Fax (248) 588-6252

PROJECT: TANK #41

CLIENT: PHILLIPS SERVICE CORP.

ENGR. \ CONSULTANT: DON MALINOWSKI

DRAWN BY: JEFF KRAMER

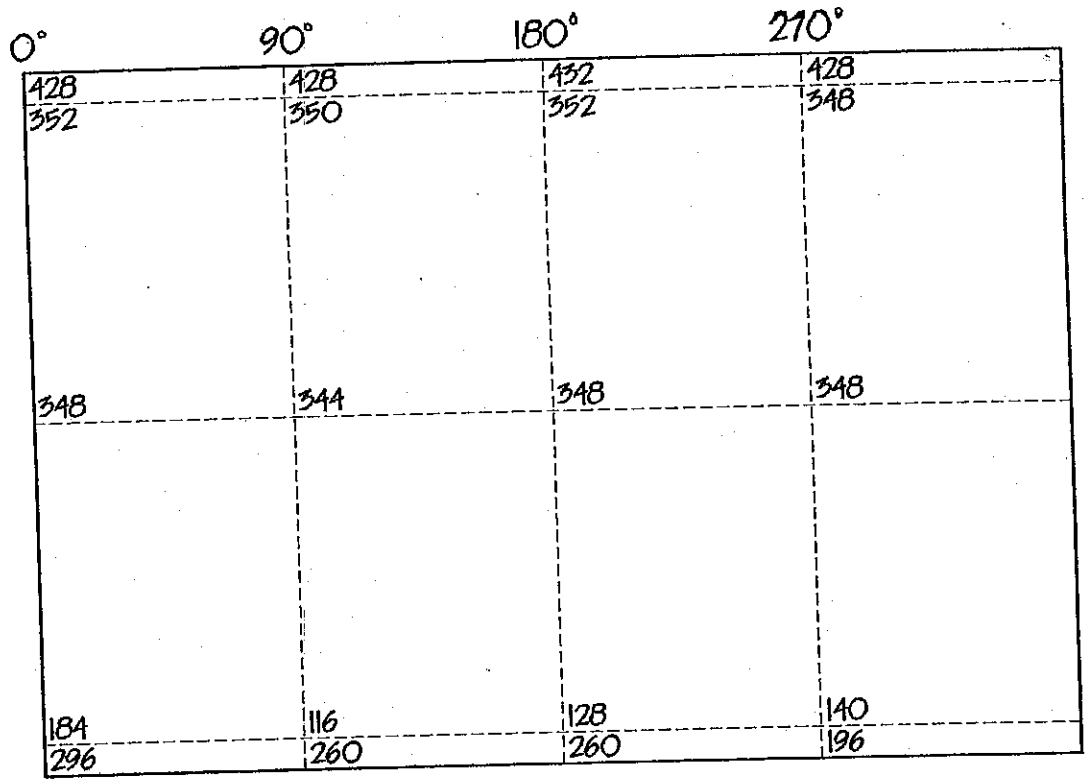
JOB NO.: 3577

SCALE: NOT TO SCALE

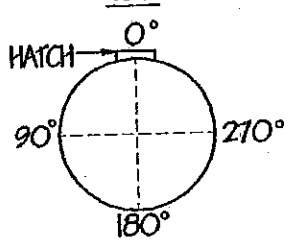
DATE: 6/6/98

SHEET NO.: 41

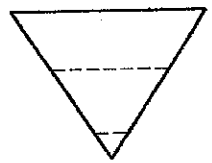
NO.	DATE	BY	DESCRIPTION



KEY



BOTTOM	MIDDLE	BOTTOM
0°		200
90°		180
180°		160
270°		104



TESTING ENGINEERS & CONSULTANTS, INC.
1353 Rochester Road - P.O. Box 249
Troy, MI 48099-0249
(248) 588-6200 Fax (248) 588-6232

PROJECT: TANK #44

CLIENT: PHILLIPS SERVICE CORP.

DRAWN BY / CONSULTANT: DON MALINOWSKI

APPROVED BY: JEFF KRAMER

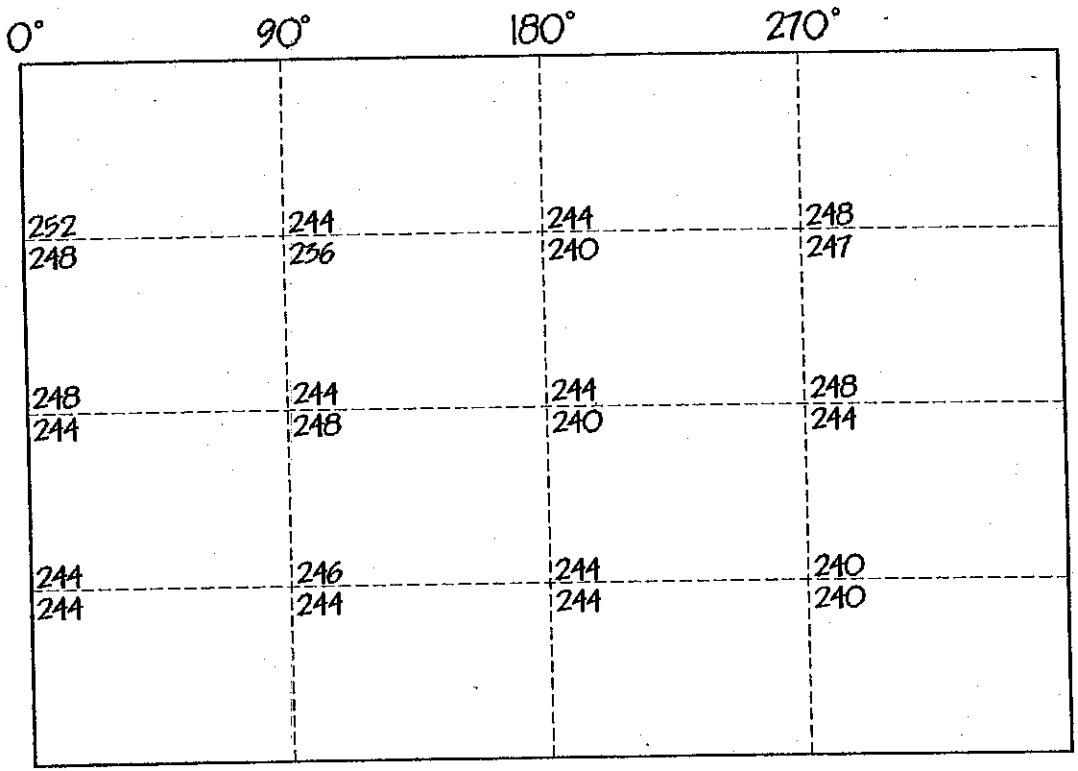
REC. NO.: 35771

SCALE: NOT TO SCALE

DATE: 6/6/98

SHEET NO.: 44

REV.	DATE	BY	DESCRIPTION

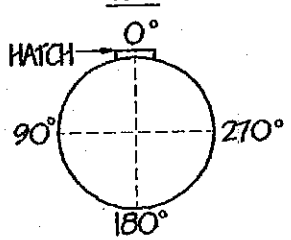


READINGS TAKEN APPROX. 1' TO THE LEFT OF HATCH

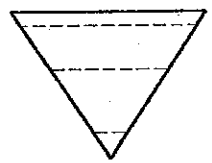
* WEST SIDE SPILLS & PAINT PEELING

EAST SIDE SPILLS & PAINT PEELING

KEY



BOTTOM	TOP	MIDDLE	BOTTOM
0°	248	248	248
90°	244	252	240
180°	248	248	248
270°	248	248	248



TESTING ENGINEERS & CONSULTANTS, INC.
1353 Rochester Road - P.O. Box 249
Troy, MI 48099-0249
(248) 588-6200 Fax (248) 588-6252

PROJECT: TANK #6

CLIENT: PHILLIPS SERVICE CORP.

BASE \ CONSULTANT: DON MALINOWSKI

DRAWN BY: JEFF KRAMER

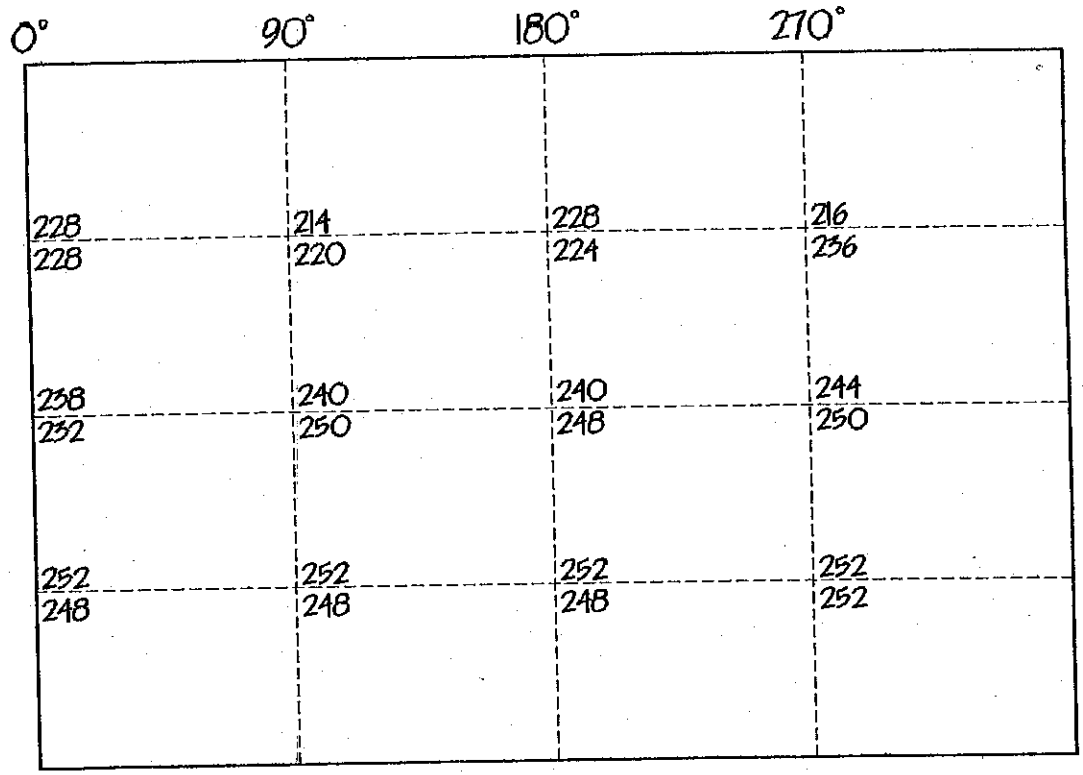
JOB NO.: 3577I

SCALE: NOT TO SCALE

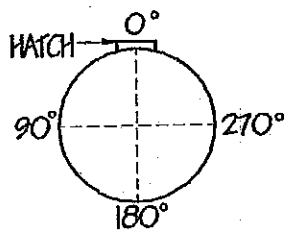
DATE: 6/6/98

SHEET NO.: 6I

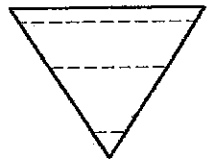
NO.	DATE	BY	DESCRIPTION



KEY



BOTTOM	TOP	MIDDLE	BOTTOM
0°	248	248	248
90°	248	248	244
180°	248	248	248
270°	248	248	244



TESTING ENGINEERS & CONSULTANTS, INC.
1353 Rochester Road - P.O. Box 249
Troy, MI 48099-0249
(248) 588-6200 Fax (248) 588-6232

PROJECT: TANK #62

CLIENT: PHILLIPS SERVICE CORP.

DRAWN BY: DON MALINOWSKI

CHECKED BY: JEFF KRAMER

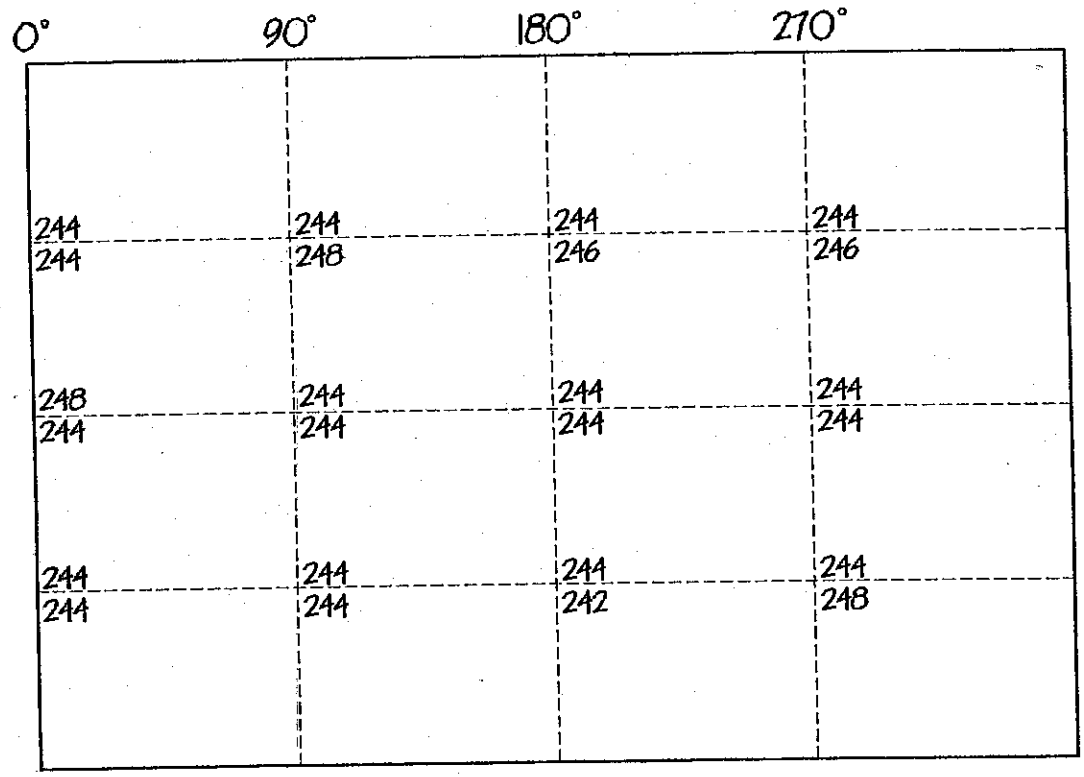
JOB NO.: 3577A

SCALE: NOT TO SCALE

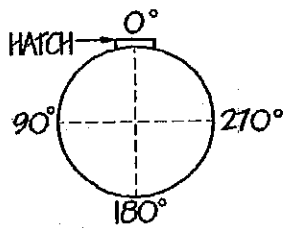
DATE: 6/6/98

SHEET NO.: 62

NO.	DATE	BY	DESCRIPTION

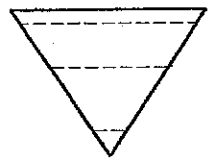


KEY



BOTTOM

	TOP	MIDDLE	BOTTOM
0°	248	248	248
90°	248	248	248
180°	248	248	248
270°	248	248	248



TESTING ENGINEERS & CONSULTANTS, INC.
1333 Rochester Road - P.O. Box 249
Troy, MI 48099-0249
(248) 588-6200 Fax (248) 588-6232

PROJECT: TANK #63

CLIENT: PHILLIPS SERVICE CORP.

ENGR. \ CONSULTANT: DON MALINOWSKI

DRAWN BY: JEFF KRAMER

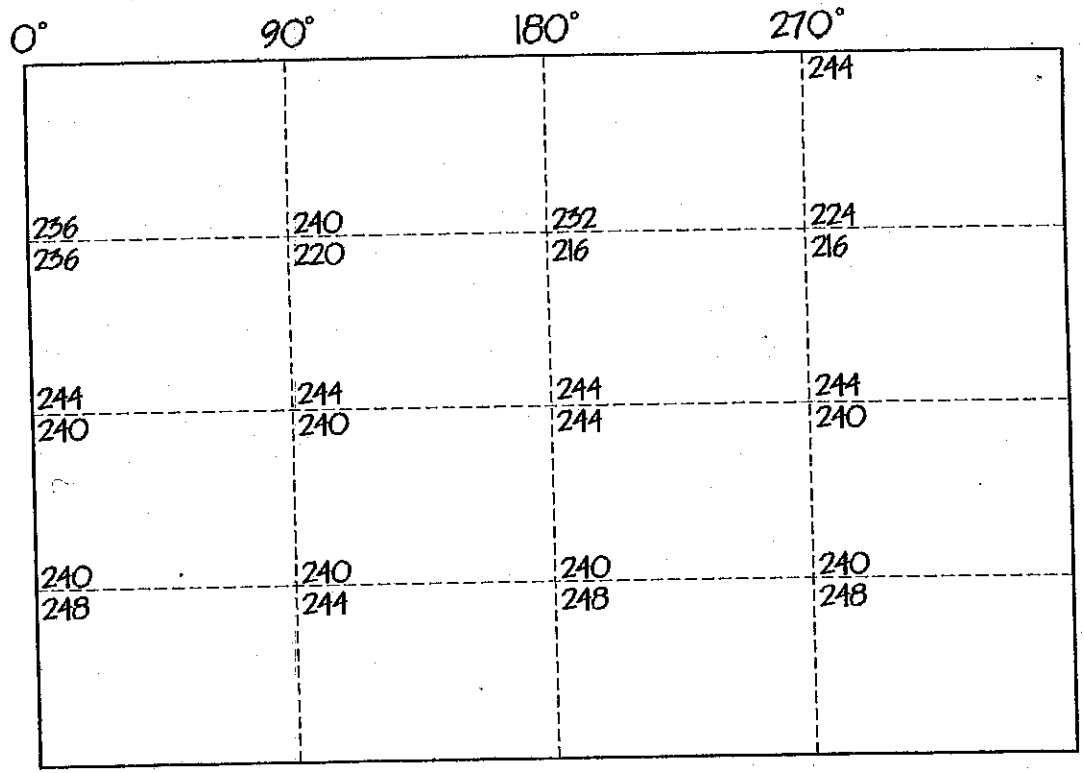
JOB #: 3577A

SCALE: NOT TO SCALE

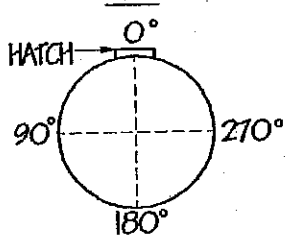
DATE: 6/6/98

SHEET #: 63

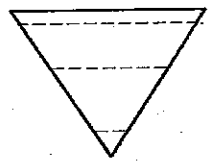
NO.	DATE	BY	DESCRIPTION



KEY



BOTTOM	TOP	MIDDLE	BOTTOM
0°	248	248	248
90°	248	248	248
180°	248	248	244
270°	248	248	248



TESTING ENGINEERS & CONSULTANTS, INC.
1333 Rochester Road - P.O. Box 249
Troy, MI 48099-0249
(248) 588-6200 Fax (248) 588-6232

PROJECT: TANK #64

CLIENT: PHILLIPS SERVICE CORP.

DESIGN / CONSULTING: DON MALINOWSKI

DRAWN BY: JEFF KRAMER

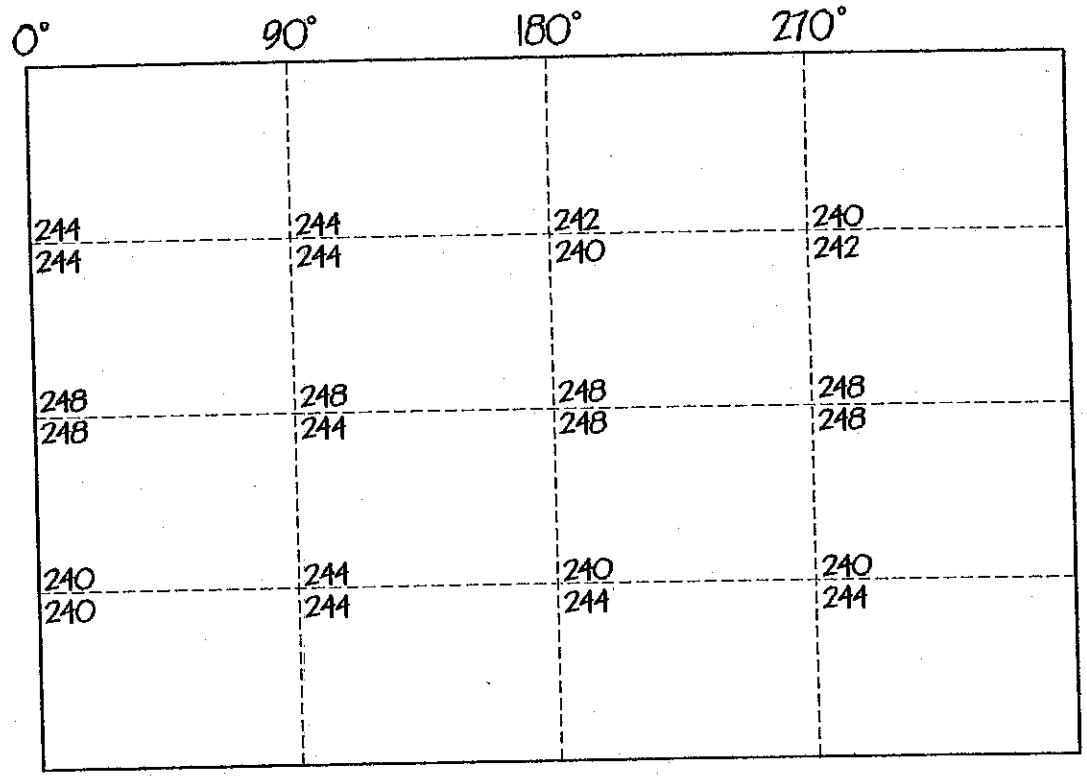
JOB #: 3577I

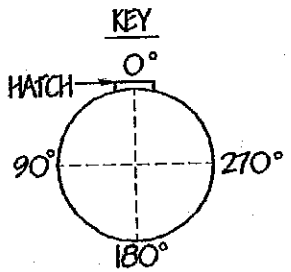
SCALE: NOT TO SCALE

DATE: 6/6/98

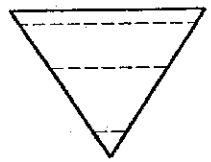
SHEET #: 6A

REV.	DATE	BY	DESCRIPTION





BOTTOM	TOP	MIDDLE	BOTTOM
0°	252	236	200
90°	240	232	172
180°	228	232	172
270°	252	228	188



TESTING ENGINEERS & CONSULTANTS, INC.
1333 Rochester Road - P.O. Box 249
Troy, MI 48099-0249
(248) 588-6200 Fax (248) 588-6232

PROJECT: TANK #65

CLIENT: PHILLIPS SERVICE CORP.

DRAWN BY / CONSULTANT: DON MALINOWSKI

APPROVED: JEFF KRAMER

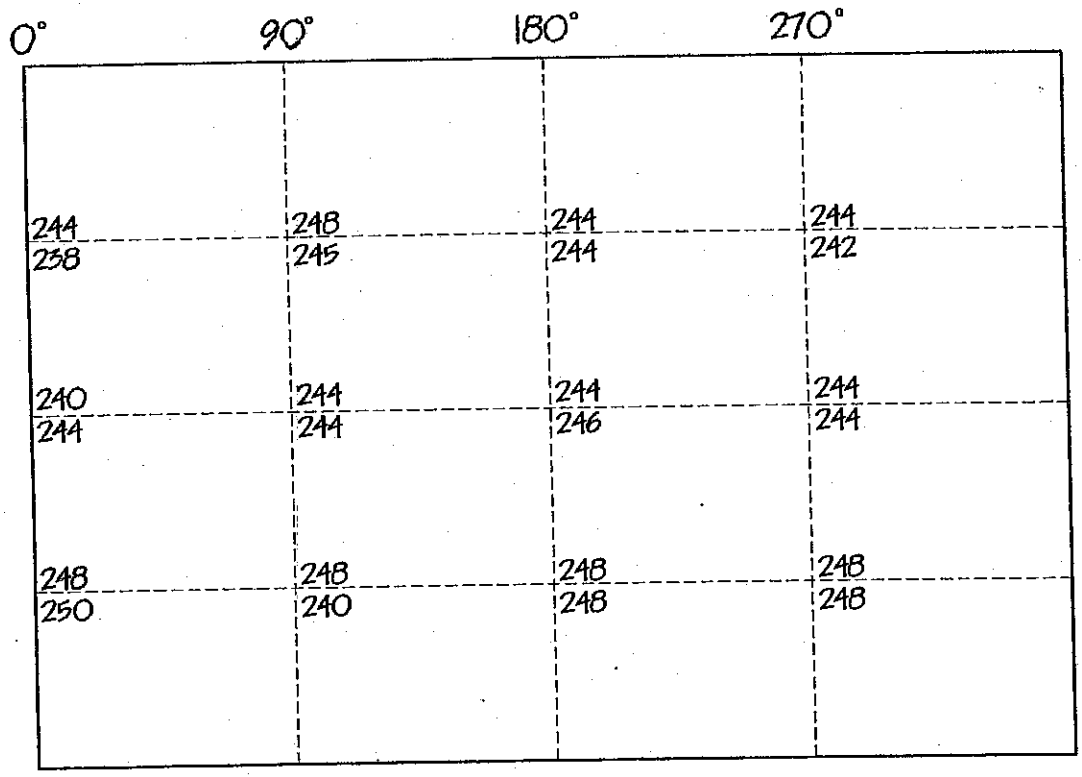
JOB NO.: 3577I

SCALE: NOT TO SCALE

DATE: 6/6/98

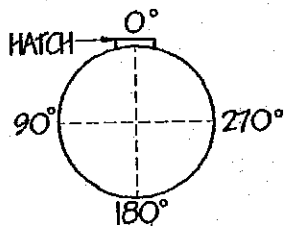
SHEET NO.: 65

NO.	DATE	BY	REVISION



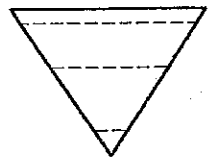
SLIGHT CORROSION & PITTING @ 270° UNDER SPLASH GUARD

KEY



BOTTOM

	TOP	MIDDLE	BOTTOM
0°	240	244	244
90°	244	240	244
180°	248	248	248
270°	244	240	244



TESTING ENGINEERS & CONSULTANTS, INC.
13533 Rochester Road - P.O. Box 249
Troy, MI 48099-0249
(248) 588-6200 Fax (248) 588-6232

PROJECT: TANK #66

CLIENT: PHILLIPS SERVICE CORP.

ENG. / CONSULTANT: DON MALINOWSKI

DRAWN: JEFF KRAWER

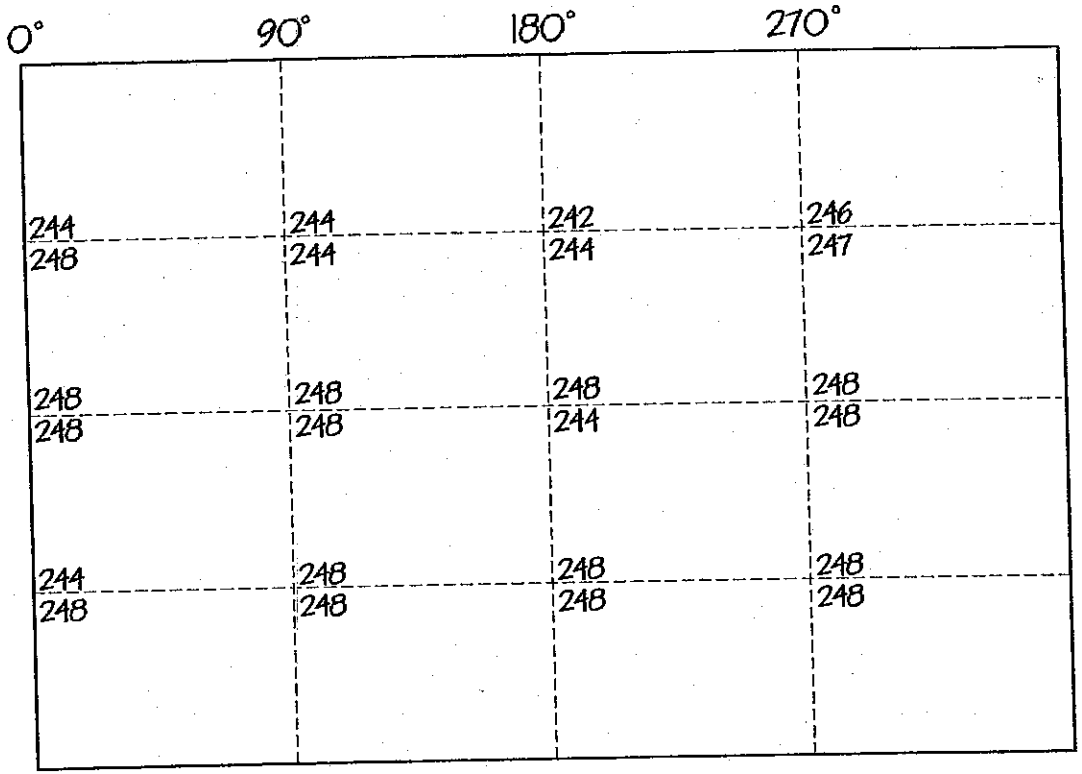
JOB #: 3577I

SCALE: NOT TO SCALE

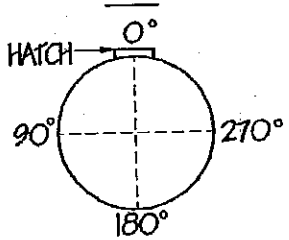
DWG: 6/6/98

SHEET #: 66

REV.	DATE	BY	DESCRIPTION

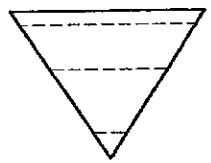


KEY



BOTTOM

	TOP	MIDDLE	BOTTOM
0°	248	244	240
90°	240	244	240
180°	244	242	240
270°	244	244	244



TESTING ENGINEERS & CONSULTANTS, INC.
1333 Rochester Road - P.O. Box 249
Troy, MI 48099-0249
(248) 588-6200 Fax (248) 588-6232

PROJECT: TANK #67

CLIENT: PHILLIPS SERVICE CORP.

BASE / CONSULTING: DON MALINOWSKI

DRAWN BY: JEFF KRAMER

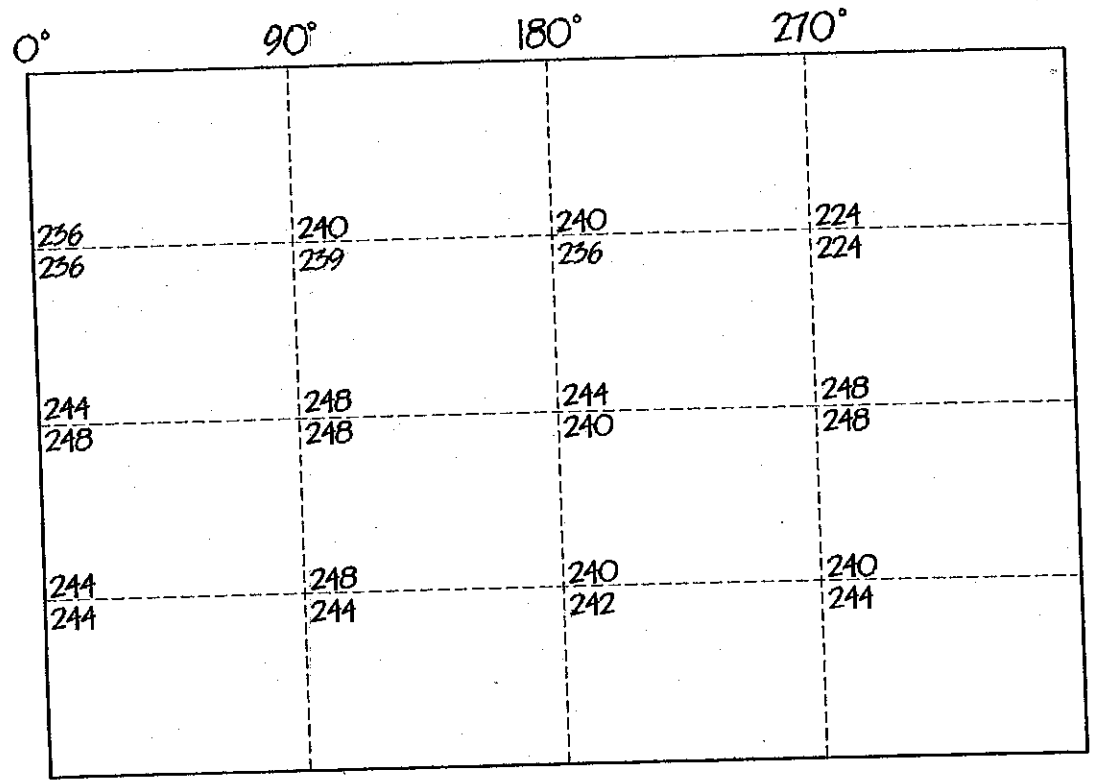
JOB NO.: 3577I

SCALE: NOT TO SCALE

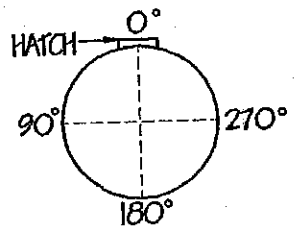
DATE: 6/6/98

SHEET No.: 61

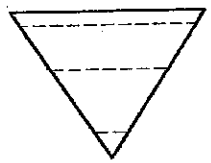
REV.	DATE	BY	DESCRIPTION



KEY



BOTTOM	TOP	MIDDLE	BOTTOM
0°	244	244	236
90°	240	244	242
180°	244	244	240
270°	244	244	240



TESTING ENGINEERS & CONSULTANTS, INC.
1333 Rochester Road - P.O. Box 249
Troy, MI 48099-0249
(248) 588-6200 Fax (248) 588-6232

PROJECT: TANK #68

CLIENT: PHILLIPS SERVICE CORP.

PROJ. & CONSULTANT: DON MALINOWSKI

DRAWN: JEFF KRAMER

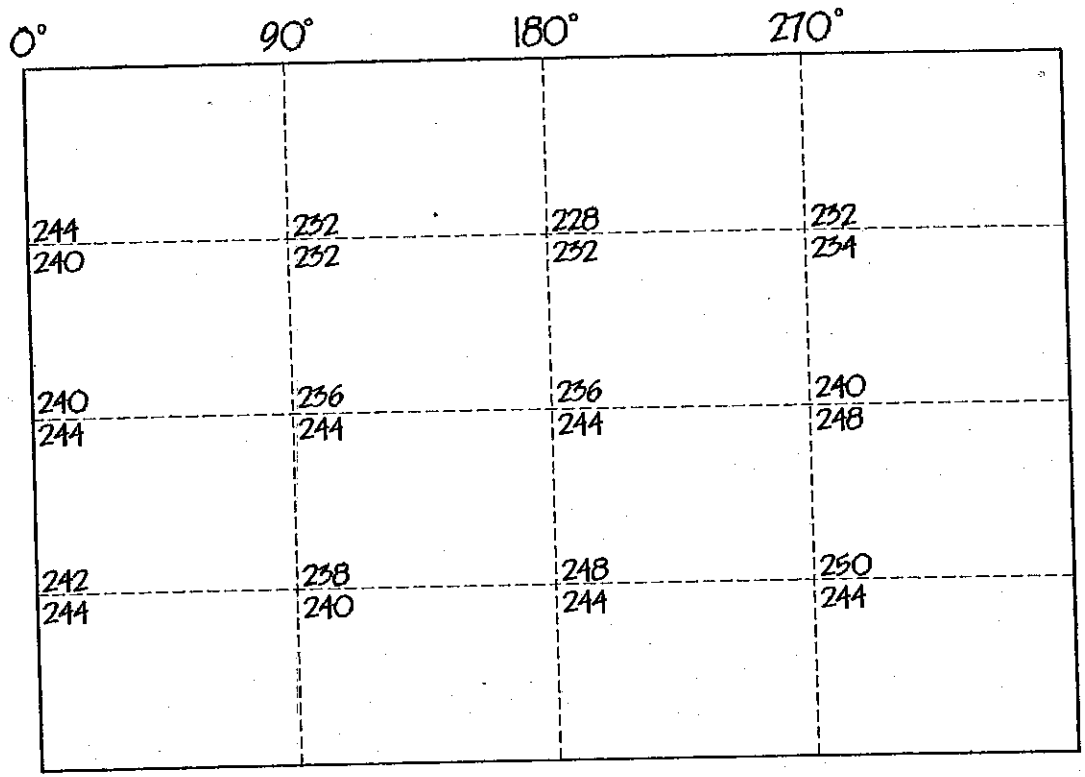
JOB #: 3577I

SCALE: NOT TO SCALE

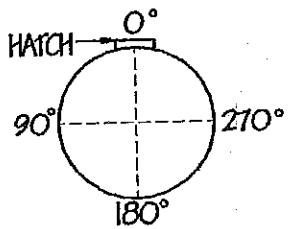
DATE: 6/6/98

SHEET #: 68

NO.	DATE	BY	DESCRIPTION



KEY



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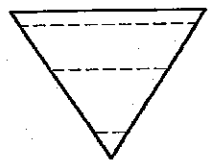
90°	240	240	244
180°	240	236	244
270°	240	236	244



TESTING ENGINEERS & CONSULTANTS, INC.
1333 Rochester Road - P.O. Box 249
Troy, MI 48099-0249
(248) 588-6200 Fax (248) 588-6232

PROJECT: TANK #69

CLIENT: PHILLIPS SERVICE CORP.

DESIGN \ CONSULTANT: DON MALINOWSKI

DRAWN BY: JEFF KRAMER

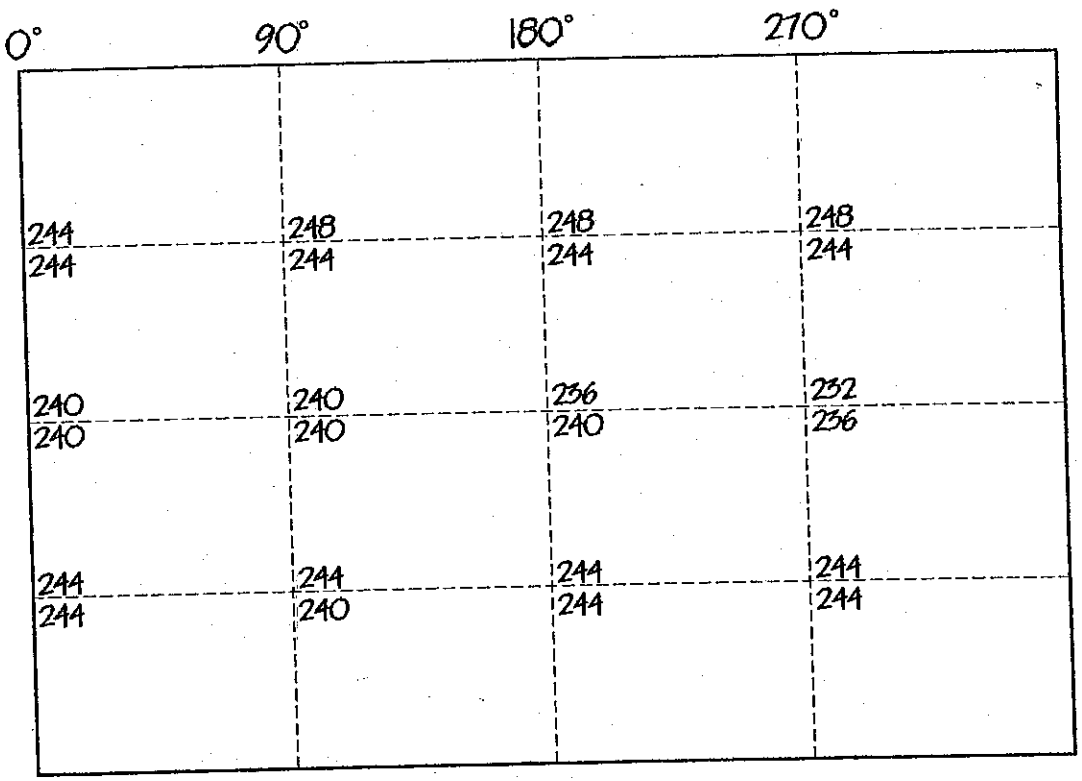
JOB NO.: 35771

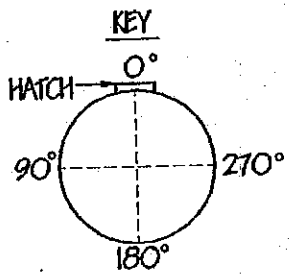
SCALE: NOT TO SCALE

DATE: 6/6/98

SHEET NO.: 69

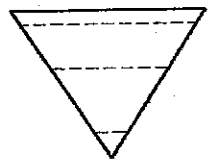
NO.	BY	DATE	DESCRIPTION





BOTTOM

	TOP	MIDDLE	BOTTOM
0°	248	248	240
90°	244	244	240
180°	248	244	240
270°	240	240	244



TESTING ENGINEERS & CONSULTANTS, INC.
1333 Rochester Road - P.O. Box 249
Troy, MI 48099-0249
(248) 588-6200 Fax (248) 588-6232

PROJECT: TANK #70

CLIENT: PHILLIPS SERVICE CORP.

DRAWN BY:	DON MALINOWSKI
CHECKED BY:	JEFF KRAMER
JOB NO.	35771
SCALE	NOT TO SCALE
DATE	6/6/98
SHEET NO.	10

NO.	DATE	BY	DESCRIPTION

Testing Engineers & Consultants, Inc.
1343 Rochester Road • PO Box 249 • Troy, Michigan 48099-0249
(248) 588-6200 or (313) T-E-S-T-I-N-G
Fax (248) 588-6232

TEC Report Number: 51043-3
Date Issued: November 15, 2010

Mr. Brian Cape
Philip Services Corporation
515 Lycaste Street
Detroit, MI 48214-3473

Re: Philip Services Corporation
Above Ground Tank Assessment and Certification
Tank Nos.: TK-001 and TK-002
Detroit, Michigan

Dear Mr. Cape:

Pursuant to your request, Testing Engineers & Consultants, Inc. (TEC) has performed the required inspections and document review for the certification of two (2) above ground storage tanks nos. TK-001 and TK-002 as per 40 CFR, Section 265.192.

Procedures used to conduct these assessments were as follows:

1. Compiling and reviewing data of the physical characteristics for the tanks.
2. Compiling information provided by Philip Services on the characteristics of the liquids being handled or stored in the tanks.
3. Reviewing inspection and maintenance procedures for these tanks provided by Philip Services.
4. Conducting visual inspections of the tanks and their secondary containments for structural integrity.
5. Assessing compiled data and comparing such data with requirements set forth in UL 142 (7th Edition), API 650 and API 653 (8th Edition).

Mr. Brian Cape
Philip Services Corporation
November 11, 2010

TEC Report Number: 51043-3

The background information used to prepare our assessment of these two (2) tanks is contained in this report and are included as follows:

1. Physical characteristics of the tanks (Appendix A).
2. Material Safety Data Sheets (Appendix B).
3. Site Plan (Appendix C).
4. Philip Services Maintenance and Inspection Schedule (Appendix D).
5. UL 142 (partial) (Appendix E).
6. API 650 and 653 (partial) Appendix E).
7. 40 CFR 265.192 and 40 CFR 270.11.

ON-SITE REVIEW

Visual inspections of the tanks revealed good workmanship and strict adherence to design drawings (i.e. Clawson Tank Co. Drawings #09507 and #14207). Based on visual inspections the weld quality was acceptable with no evidence of weld defects or areas that may compromise the tanks structural integrity. No signs of damage that may have been incurred during installation were noted. The tanks tops, bottoms and shells were fabricated with SA240-304L stainless steel. The tops and bottoms are ½' thick and the shells are 3/16" thick and exceed the minimum requirements set forth in UL 142. All other components with the exception of the tank legs were fabricated with stainless steel. Since the tanks are constructed with stainless steel no exterior corrosion protection is required.

TANK SECONDARY CONTAINMENT INFORMATION

The secondary containment system surrounds these two (2) tanks completely. The containment also covers all surrounding earth that would likely come into contact with waste released from the tanks. The capacity of each tank contained within this containment is 6000 gallons and the net volume of the enclosure is approximately 11,669 gallons. Based on the requirement that the containment have the capacity to contain 100% of the largest tank within the containment plus another 10% of the tank capacity to accommodate precipitation TEC finds the containment capacity to be more than adequate for the two (2) tanks contained within.

Mr. Brian Cape
Philip Services Corporation
November 11, 2010

TEC Report Number: 51043-3

CONCLUSIONS

On the basis of our document review and physical inspections TEC finds that Tank Nos. TK-001 and TK-002 can be certified as being acceptable for storing and/or treating hazardous waste in accordance with 40 CF2 265.192. Certification to that effect is attached.

We are pleased for the opportunity to provide our services. Should you have any questions or require additional information, please feel free to contact our office.

Respectfully submitted,

TESTING ENGINEERS & CONSULTANTS, INC.

Tony J Morris
CWI 85112001
QC1 EXP. 11/1/2013

Tony J. Morris
Manager, Structural Steel Department

STATE OF MICHIGAN
RUBEN E. RAMOS
ENGINEER
No. 30630
LICENSED PROFESSIONAL ENGINEER

Ruben E. Ramos, P.E.
Vice President
Engineering and Construction Services

TJM/RER/zs
Enclosure

Testing Engineers & Consultants, Inc.
1343 Rochester Road • PO Box 249 • Troy, Michigan 48099-0249
(248) 588-6200 or (313) T-E-S-T-I-N-G
Fax (248) 588-6232

STORAGE TANK CERTIFICATION
Tank # TK-002
Philip Service Corporation
November 15, 2010
(TEC Job #51043-3)

I hereby certify that the hazardous waste storage tank systems located at Philip Services corporation's Detroit, Michigan facility identified as TK-002 is neither leaking nor unfit for use and are adequately designed and have sufficient structural strength and compatibility with the wastes stored or treated therein to ensure that they will not collapse, rupture, or fail in accordance with 40 C.F.R. 265.192 (a)(1), (a)(2), (a)(3)(ii)(A), (b)(1)(2)(3)(4)(5)(6) and (g). Certification is attached.

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

TESTING ENGINEERS & CONSULTANTS, INC.

Tony J Morris
CWI 85112001
QC1 EXP. 11/1/2013

By:_____
Tony J. Morris
Senior Project Manager

STATE OF MICHIGAN
RUBEN E. RAMOS
ENGINEER
No. 30630
LICENSED PROFESSIONAL ENGINEER

By:_____
Ruben R. Ramos, P.E.
Senior Project Engineer
Registration Number 30630

Testing Engineers & Consultants, Inc.
1343 Rochester Road • PO Box 249 • Troy, Michigan 48099-0249
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Fax (248) 588-6232

HAZARDOUS WASTE STORAGE TANK CERTIFICATION
Tank # TK-001
Philip Service Corporation
November 15, 2010
(TEC Job #51043-3)

I hereby certify that the hazardous waste storage tank systems located at Philip Services corporation's Detroit, Michigan facility identified as TK-001 is neither leaking nor unfit for use and are adequately designed and have sufficient structural strength and compatibility with the wastes stored or treated therein to ensure that they will not collapse, rupture, or fail in accordance with 40 C.F.R. 265.192 (a)(1), (a)(2), (a)(3)(ii)(A), (b)(1)(2)(3)(4)(5)(6) and (g). Certification is attached.

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

TESTING ENGINEERS & CONSULTANTS, INC.

Tony J Morris
CWI 85112001
QC1 EXP. 11/1/2013

By:_____
Tony J. Morris
Senior Project Manager

STATE OF MICHIGAN
RUBEN E. RAMOS
ENGINEER
No. 30630
LICENSED PROFESSIONAL ENGINEER

By:_____
Ruben R. Ramos, P.E.
Senior Project Engineer
Registration Number 30630

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1343 Rochester Road • PO Box 249 • Troy, Michigan 48099-0249
(248) 588-6200 or (313) T-E-S-T-I-N-G
Fax (248) 588-6232

TEC Report Number: 51043-1
Date Issued: November 11, 2010

Mr. Brian Cape
Philip Services Corporation
515 Lycaste Street
Detroit, MI 48214-3473

Re: Re-Certification of Above Ground Storage Tanks
Tank Nos.: S-69 and S-70
Philip Services Corporation
Detroit, Michigan

Dear Mr. Cape:

In response to your request, Testing Engineers & Consultants, Inc. (TEC) has completed our re-certification inspection and testing of Storage Tanks S-69 and S-70 at the Philip Services facility in Detroit, Michigan. TEC visited the site on November 03 and 04, 2010 to perform visual inspection and ultrasonic testing of the two (2) Tanks.

BACKGROUND DATA

The two Tanks, S-69 and S-70, were certified by TEC in November 2007 (TEC Report No. 48689-1). As a result of the previous certification, we recommended an inspection and re-certification of every four years for the Tanks. TEC has been retained to provide a current re-certification of the Tanks.

ON-SITE REVIEW OF TANK CONSTRUCTION AND CONDITION

TEC visited the site on November 03 and 04, 2010 to perform visual inspection and ultrasonic testing of the two (2) Tanks. TEC performed a visual inspection of the Tanks for identification of any damage, weakness or other areas of concern. Wall thickness testing was performed using a Cygnus 3 Multiple Echo Ultrasonic Thickness Gauge.

Where accessible, ultrasonic thickness testing was performed on the sides and bottom plates of the subject tanks. These thickness measurements have been recorded on the attached tank diagrams. All readings are in mils (thousandths of an inch).

Mr. Brian Cape
Philip Services Corporation
November 11, 2010

TEC Report Number: 51043-1

ON-SITE REVIEW OF TANK CONSTRUCTION AND CONDITION (cont'd)

The wall thickness readings acquired on November 09, 2007 and November 04, 2010 are presented in Table 1.

TABLE 1

	2007		2010	
TANK NO.	MIN. WALL (mils)	MIN. BOTT. (mils)	MIN. WALL (mils)	MIN. BOTT. (mils)
S-69	204	222	210	220
S-70	230	236	228	232

Findings and Recommendations

Based on our visual inspection, wall thickness testing and calculated annual wall thickness loss, Tanks S-69 and S-70 appear to be structurally sound and adequate for the storage of products indicated. Based on the minimum bottom thickness readings obtained, Tanks S-69 and S-70 TEC recommends that the Tanks be re-inspected and re-certified every 2 years.

We hereby certify Tanks S-69 and S-70 for storing and/or treating hazardous waste in accordance with 40 CFR 264.191(a) and 40 CFR 264.192(a). Certification to that effect is attached.

We are pleased for the opportunity to provide our services. Should you have any questions or require additional information, please feel free to contact our office.

Respectfully submitted,

TESTING ENGINEERS & CONSULTANTS, INC.

Tony J Morris
CWI 85112001
QC1 EXP. 11/1/2013

Tony J. Morris
Manager, Structural Steel Department

STATE OF MICHIGAN
RUBEN E. RAMOS
ENGINEER
No. 30630
LICENSED PROFESSIONAL ENGINEER

Ruben E. Ramos, P.E.
Vice President
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Fax (248) 588-6232

HAZARDOUS WASTE STORAGE TANK RECERTIFICATION
Tank # S-69
Philip Service Corporation
November 11, 2010
(TEC Job #51043-1)

I hereby certify that the hazardous waste storage tank systems located at Philip Services corporation's Detroit, Michigan facility identified as S-69 is neither leaking nor unfit for use and are adequately designed and have sufficient structural strength and compatibility with the wastes stored or treated therein to ensure that they will not collapse, rupture, or fail in accordance with 40 C.F.R. 264.191(a), provided that these tank systems are reinspected according to the schedule set forth in Report 51043-1 prepared by Testing Engineers & Consultants, Inc. (TEC) to which this Certification is attached.

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

TESTING ENGINEERS & CONSULTANTS, INC.

Tony J Morris
CWI 85112001
QC1 EXP. 11/1/2013

By:_____
Tony J. Morris
Senior Project Manager

STATE OF MICHIGAN
RUBEN E. RAMOS
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No. 30630
LICENSED PROFESSIONAL ENGINEER

By:_____
Ruben R. Ramos, P.E.
Senior Project Engineer
Registration Number 30630

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1343 Rochester Road • PO Box 249 • Troy, Michigan 48099-0249
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Fax (248) 588-6232

HAZARDOUS WASTE STORAGE TANK RECERTIFICATION
Tank # S-70
Philip Service Corporation
November 11, 2010
(TEC Job #51043-1)

I hereby certify that the hazardous waste storage tank systems located at Philip Services corporation's Detroit, Michigan facility identified as S-70 is neither leaking nor unfit for use and are adequately designed and have sufficient structural strength and compatibility with the wastes stored or treated therein to ensure that they will not collapse, rupture, or fail in accordance with 40 C.F.R. 264.191(a), provided that these tank systems are reinspected according to the schedule set forth in Report 51043-1 prepared by Testing Engineers & Consultants, Inc. (TEC) to which this Certification is attached.

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

TESTING ENGINEERS & CONSULTANTS, INC.

Tony J Morris
CWI 85112001
QC1 EXP. 11/1/2013

By:_____
Tony J. Morris
Senior Project Manager

STATE OF MICHIGAN
RUBEN E. RAMOS
ENGINEER
No. 30630
LICENSED PROFESSIONAL ENGINEER

By:_____
Ruben R. Ramos, P.E.
Senior Project Engineer
Registration Number 30630

HAZARDOUS WASTE STORAGE TANK DESIGN

CERTIFICATION STATEMENT

S-71 LIQUID WASTE TANK

I, Jerome P. Schulte, P.E., have reviewed a portion of the design of a tank system for the proposed SDI Tank Farm located at Petro-Chem Processing, Inc, Detroit, Michigan. My duties were to review and certify the written assessment for the S-71 Liquid Waste Tank, as required by the Resource Conservation and Recovery Act (RCRA) regulation(s), namely 40 CFR 264.192, paragraphs (a)(1)-partial, (a)(2), (a)(5), and (e); and 264.193 paragraphs (a)(1), (b)(1)-partial, (b)(2), (c), (d), (e) and (f)(1). This review was limited to the design phase of the project. A review of construction and installation procedures will be required in order for the tank system to meet the full requirements of 40 CFR 264.192 and 264.193.

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

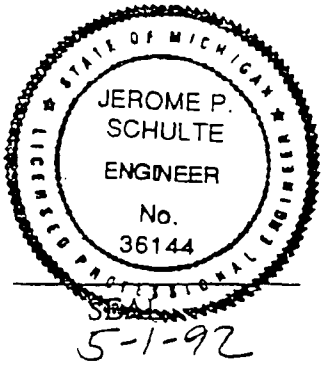
WW ENGINEERING & SCIENCE, INC.

By: Jerome P. Schulte

Jerome P. Schulte, P.E.

Design Certification Leader

Title



36144

Registration Number

39209 W. Six Mile Road, Suite 110
Livonia, MI 48152

Address

May 1, 1992

DESIGN ASSESSMENT OF LIQUID WASTE TANK S-72 SYSTEM INTEGRITY

In accordance with the rules promulgated under the Michigan Public Act 64, Rule 615 which incorporates U.S. Environmental Protection Agency (EPA) Resource Conservation and Recovery Act 40 CFR 264.192 and 264.193, the following assessment of Tank S-72 is presented attesting that the tank system is designed to have sufficient structural integrity and will be acceptable for storing hazardous wastes for the given "anticipated service life."

GENERAL INFORMATION

Owner:	Petro-Chem Processing, Inc. 515 Lycaste Avenue Detroit, Michigan 48214
Location:	SDI Tank Farm Approx. 450 ft. West of Lycaste Avenue and 220 ft. North of Freud Avenue Detroit, Michigan
Tank Designation:	S-72 Liquid Waste Tank

DESIGN STANDARDS

Tank:	UL 142
Secondary Containment:	ACI-318 and ACI 223-83
Ancillary Equipment:	ANSI B31.3

HAZARDOUS CHARACTERISTICS OF WASTE

Tank S-72 will store waste generated during distillation operations.

The composition of the waste is provided in Table 1 below:

HAZARDOUS WASTE STORAGE TANK DESIGN

CERTIFICATION STATEMENT

S-72 LIQUID WASTE TANK

I, Jerome P. Schulte, P.E., have reviewed a portion of the design of a tank system for the proposed SDI Tank Farm located at Petro-Chem Processing, Inc, Detroit, Michigan. My duties were to review and certify the written assessment for the S-72 Liquid Waste Tank, as required by the Resource Conservation and Recovery Act (RCRA) regulation(s), namely 40 CFR 264.192, paragraphs (a)(1)-partial, (a)(2), (a)(5), and (e); and 264.193 paragraphs (a)(1), (b)(1)-partial, (b)(2), (c), (d), (e) and (f)(1). This review was limited to the design phase of the project. A review of construction and installation procedures will be required in order for the tank system to meet the full requirements of 40 CFR 264.192 and 264.193.

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

WW ENGINEERING & SCIENCE, INC.

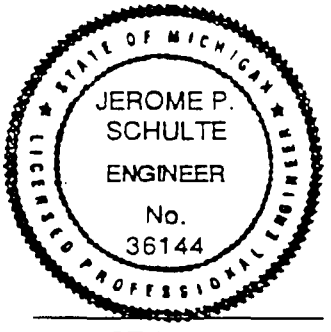
By: Jerome P. Schulte

Jerome P. Schulte, P.E.

Design Certification Leader
Title

36144
Registration Number

39209 W. Six Mile Road, Suite 110
Livonia, MI 48152
Address



SEAL

5-1-92

May 1, 1992

TABLE 1

CHEMICAL	VOLUME %
Xylenes	0 -60
Toluene	0 - 50
Methyl Ethyl Ketone	0 - 20
2-Heptanone	0 - 10
Methyl Isobutyl Ketone	0 - 10
Acetone	0 - 15
Ethanol	0 - 15
Methanol	0 - 15
Butanol	0 - 10
Amyl Acetate	0 - 10
Cyclohexanone	0 - 10
o-Dichlorobenzene	0 - 5
1,1-Dichloroethane	0 - 5
Diethyl Ether	0 - 5
2-Ethoxyethanol	0 - 15
Ethyl Acetate	0 - 5
Ethylene Glycol	0 - 15
Formic Acid	0 - 5
n-Heptane	0 - 5
Isobutyl Alcohol	0 - 10
Isopropyl Alcohol	0 - 15
Methylene Chloride	0 - 5
2-Pentanone	0 - 5
Napthalene	0 - 20
n-Propyl Alcohol	0 - 5
Styrene	0 - 5
Tetrachloroethylene	0 - 5
Tetrahydrofuran	0 - 10
Trichloroethylene	0 - 5
2-Methoxyethanol	0 - 15
Benzaldehyde	0 - 5
Benzene	0 - 10
n-Butyl Acetate	0 - 10
n-Butylamine	0 - 10
Carbon	0 - 5
Cresols	0 - 5
Chromium	0 - 1
Barium	0 - 1
Cycloheptane	0 - 5
Cyclohexane	0 - 10

Cyclopentane	0 - 5
Decanes	0 - 5
Dichloropropane	0 - 5
3-Pentanone	0 - 5
2-Heptanone	0 - 5
Ethyl Benzene	0 - 10
Formaldehyde	0 - 10
Chloroform	0 - 1
n-Hexane	0 - 20
Hexachlorocyclopentadiene	0 - 5
2-Hexanone	0 - 5
2-Octanone	0 - 5
3-Methyl, 2-Butanone	0 - 5
n-Octane	0 - 5
1,2-Propanediol	0 - 15
Tetrachloroethane	0 - 5
Methyl Chloride	0 - 5
2,3,4,6-Tetrachlorophenol	0 - 5
Trichlorotrifluoromethane	0 - 5
Polysiloxanes	0 - 10
Carbon Tetrachloride	0 - 5
Mercury	0 - 1
Lead	0 - 1
Selenium	0 - 1
Arsenic	0 - 1
Cadmium	0 - 1
Silver	0 - 1
Phenol	0 - 10
Acetaldehyde	0 - 5
Chlorodibromomethane	0 - 5
Hexachlorobenzene	0 - 5
Misc. Other Solvents	0 - 15

The average liquid specific gravity is 0.963.
The pH of the waste is 8.8.

The corrosion rate for the tank according to the National Association of Corrosion Engineers (NACE) data is approximately 50 mils/year. The estimated service life of this vessel is approximately 6 months (see explanation on cover letter). This analysis does not take into account any additional chemicals not listed in the above table.

EXTERNAL CORROSION PROTECTION

Because all tank system metal components are above ground and therefore are not in contact with soil or with water, a corrosion potential assessment by a corrosion expert is not required to determine the corrosion potential of the soil environment surrounding the system.

DOCUMENTED AGE OF THE TANK SYSTEM

The tank was built in July of 1991. The construction phase of the secondary containment was completed in January of 1992. Installation of the tank system, including ancillary equipment, was completed in March of 1992.

TANK INFORMATION

Liquid Waste Tank S-72 is a cylindrical carbon steel tank supported in the vertical position by four concrete-encased, carbon steel legs. The tank shell exterior is jacketed with a galvanized metal shell to provide squirt protection. General information regarding the tank is as follows:

PRESSURE VESSEL DATA

Design Pressure,	atmospheric to 0.5 psig
Design Temperature, deg. F.	Ambient
Pneumatic Test Pressure, psig	3 to 5
Strength Limiting Vessel Part.	Shell

GENERAL DATA

Top Cone Plate Material, ASTM	A-36
Shell Plate Material, ASTM	A-36
Bottom Cone Material, ASTM	A-36
Nozzle Neck Material, ASTM	A-865
Flange Material, ASTM	A-105
Manhole Cover Material, ASTM	A-36
Manhole Frame Material, ASTM	A-635
Bolting Material, ASTM	A-307
Nut Material, ASTM	A-563
Gasket Material	C-4401
Weight Empty, lbs.	8,450 lbs.
Weight Full of Water, lbs.	94,836 lbs.
Operating Weight	88,764 lbs.
Diameter, ft-in	10 ft. 6 in.
Height of Tank, ft-in	20 ft. 0 in.
Overall Height of Tank and Legs	23 ft. 0 in.

Volume (nominal), gal	10,000 gal.
Volume (theoretical), gal	10,358 gal.
Top Cone Nominal Thickness, in.	0.1875
Shell Nominal Thickness, in.	0.2500
Bottom Cone Nominal Thickness, in.	0.2500

OPERATING PARAMETERS

Pressure	Atmospheric
Temperature	Ambient
pH	8.8
Nitrogen Blanket	No
Agitated	Yes

Per the tank manufacturer's drawings, the tank conforms to the above referenced UL 142 - "Standard For Steel Above-Ground Tanks For Flammable and Combustible Liquids" and will provide safe containment of the above described hazardous waste for the estimated service life indicated in the "Hazardous Characteristics of the Waste" section..

Tank venting is provided to prevent excessive pressure or vacuum buildup due to maximum emptying, filling, thermal inbreathing and outbreathing rates. The tank is equipped with a vacuum breaker with a vacuum release setting of 0.5 ounces per square inch. The tank is also equipped with a pressure relief valve with a release setting of 4.0 ounces per square inch. Excess pressure is vented through a flame arrestor. The tank is also equipped with an 8-inch emergency vent capable of handling 560,000 cubic feet per hour.

Tank overfill is prevented by use of a high-level alarm system that automatically shuts off the fill pump. Upon reaching a "high" level, an alarm horn will also sound.

The tank is carbon steel with an unlined interior and a painted exterior.

The tank foundation will maintain the load of a full tank. The foundation consists of 42-inch-deep reinforced concrete strip footing below the slab-on-grade containment floor. The tank is anchored to the mat to prevent dislodgement.

ANCILLARY EQUIPMENT INFORMATION

The ancillary equipment generally includes pumps, pipe, fittings, and flanges that are used to contain or vent the hazardous waste while in transit.

The pipe and fittings used for the liquid handling system is constructed of 3-inch-diameter Schedule 40 steel pipe per ASTM A-53.

The pipe and fittings used for the vapor balance system are constructed of 3-inch Schedule 80 PVC.

The liquid piping system is supported by structural steel from the containment area floor. The vapor piping system is supported overhead from catwalk structural steel. These support systems protect the piping from protection against physical damage and excessive stress due to settlement, vibration, expansion, and contraction.

The ancillary equipment conforms to the ANSI B31.3 code to provide safe containment of the above-described hazardous wastes.

The estimated service life for the piping system is 8 years.

TANK SECONDARY CONTAINMENT INFORMATION

The secondary containment system, which is constructed to prevent any migration of wastes or accumulated liquid out of the system to the soil or groundwater, consists of a reinforced, on-grade concrete slab with reinforced concrete containment walls (diking). The containment structure will be constructed using a "Type K" expansive cement to minimize the amount of construction and control joint required. The containment system surrounds the tank completely and covers all surrounding earth likely to come into contact with the waste if released from the tank.

The containment slab is sloped to a cast-in-place, concrete sump that collect liquids resulting from leaks or spills. Spilled or leaked waste will be removed from the sump within 24 hours.

All concrete surfaces are coated with International Coatings, Inc. "Super Guard Coating," which is a chemical resistant epoxy coating. All construction joints are provided with PVC water stops.

A 30 mil polymeric flexible membrane liner will be placed below the concrete containment slab, before it is poured, to provide a backup for the lined-concrete secondary containment.

The secondary containment system is constructed of materials that are compatible with the above-described waste for a contact period of 24 hours and that have sufficient strength and thickness to prevent failure due to pressure gradients, physical contact with the waste to which it is exposed, climatic conditions, and the stress of daily operation. The foundation is capable of providing support to the secondary containment system and resistance to pressure gradients above and below the system and is capable of preventing failure due to settlement, compression, or uplift.

The net available volume for waste containment is approximately 33,600 gallons, which is approximately 250 percent of the largest storage tank volume. The containment system also has sufficient volume to contain precipitation from a 25-year, 24-hour rainfall.

ANCILLARY EQUIPMENT SECONDARY CONTAINMENT INFORMATION

All piping and ancillary equipment will be above ground and will be visually inspected on a daily basis in accordance with 40 CFR 264.193(f).

...END OF ASSESSMENT...

Appendix III

CAFO Termination

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 5
77 WEST JACKSON BOULEVARD
CHICAGO, IL 60604-3590

JUN 2 4 2009

REPLY TO THE ATTENTION OF: R-9J

Mr. Jeffrey Davis
Environmental Health & Safety Manager
PSC Environmental Services Division
515 Lycaste
Detroit, Michigan 48214

Re: Notice of Termination of Consent Agreement and Final Order
Docket Nos. MM-05-2002-0010, RCRA-05-2002-0017, CAA-05-2002-2002
EPA ID Numbers MID980615298, MID985684088, MID985619824

Dear Mr. Davis:

The U.S. Environmental Protection Agency (EPA) has received and reviewed your 2007 submittals requesting that EPA terminate the Consent Agreement and Final Order (CAFO) referenced above. This CAFO contains compliance requirements for three facilities, the Petro-Chem Processing Group (PCPG) and the Solvent Distillers Group (SDG) located at 421 Lycaste Avenue, Detroit, Michigan and Nortru Resources Group (NRG) formerly located at 611 Hillger, Detroit, Michigan. The three facilities are subsidiaries of Nortru, Inc. (Respondent). Respondent was a wholly-owned subsidiary of Philip Services Corporation in 2002. In 2009, Respondent remains a Michigan corporation and is held by PSC, the successor corporation to Philip Services Corporation. A brief summary of the CAFO requirements, compliance actions, and evaluation of the request to terminate follows.

The CAFO became effective on October 17, 2002, when the EPA Regional Administrator signed it. The CAFO required that the Respondent pay a civil penalty of $225,000. Paragraphs 17 through 25 set out the work to be performed at PCPG and SDG to control organic air emissions and required Respondent to cease any receipt, treatment, storage, or disposal of hazardous waste at the NRG Facility. The work to be performed included installing a regenerative thermal oxidizer (RTO), conducting a performance test on the RTO, submitting a report on the performance testing, and submitting an itemization of costs for the design, construction and installation, and performance testing of the RTO for the Container Processing System (CPS). In addition, Paragraph 25 required Respondent to remove certain equipment and structures from the NRG Facility, to close the drum storage area at the NRG Facility, and to properly dispose of all hazardous waste-contaminated equipment, structures, and visibly contaminated soil by July 17, 2003.

On October 30, 2002, Respondent paid the $225,000 civil penalty. Respondent installed a RTO, conducted a performance test, and submitted a report on the performance test. Respondent's consultant certified closure of the drum storage area at the NRG Facility on June 27, 2003. On February 22, 2005, Respondent submitted an itemization of costs as required by Paragraph 24 of the CAFO. On August 28, 2006, a fire damaged the CPS. By letter dated October 10, 2007, Respondent notified EPA that, among other things, it discontinued activities in the CPS, would not be reconstructing the permanent total enclosure for the CPS, and discontinued reclamation activities at the SDG Facility. Finally, in April and May 2009, Respondent provided additional documentation required to demonstrate compliance with CAFO Paragraph 25.

In evaluating Respondent's request to terminate the CAFO, EPA reviewed the progress reports and notices required by Paragraphs 23 and 25 of the CAFO. EPA identified some deficiencies, which Respondent addressed in 2008 and 2009. Based on evaluation of Respondent's submissions and recent actions taken by Respondent to address the deficiencies, EPA agrees to terminate the CAFO. If you have any questions concerning this matter, please contact Ms. Sue Brauer of the RCRA Branch, at (312) 353-6134, or Mr. Farro Assadi of the Air Enforcement and Compliance Assurance Branch, at (312) 886-1424.

Sincerely,

Walter W. Kovalick, Jr. for

Bharat Mathur
Acting Regional Administrator

cc: John Craig, MDEQ
Larry AuBuchon, MDEQ
Tom Hess, MDEQ
Teresa Seidel, MDEQ

Section 3

Subpart AA_BB Air Emissions (C11)

FORM EQP 5111 ATTACHMENT TEMPLATE C11 - SUBPART AA
AIR EMISSIONS FROM PROCESS VENTS

The administrative rules promulgated pursuant to Part 111, Hazardous Waste Management, of Michigan's Natural Resources and Environmental Protection Act, 1994 PA 451, as amended (Act 451), R 299.9504, R 299.9508, R 299.9605, and R 299.9630; and Title 40 of the Code of Federal Regulations (CFR), Part 264, Subpart AA, and 40 CFR §270.24 establish requirements for controlling organic air emissions from process vents. All references to 40 CFR citations specified herein are adopted by reference in R 299.11003.

This license application template includes the information required by 40 CFR §270.24 to address air emission control requirements for process vents at hazardous waste management facilities for the PetroChem Processing Group of Nortru, LLC. (PetroChem) facility in Detroit, Michigan.

(Check as Appropriate)

☒ Applicant for Operating License for Existing Facility

☐ Applicant for Operating License for New, Altered, Enlarged, or Expanded Facility

☐ Process Vents Subject to 40 CFR Part 264, Subpart AA (R 299.9630)

☒ No Process Vents Exist That Are Subject to 40 CFR Part 264, Subpart AA (R 299.9630)

The Facility does not operate process vents associated with distillation, fractionation, thin-film evaporation, solvent extraction, or air or steam stripping operations managing hazardous waste subject to §264.1030 (R299.9630). Therefore, this entire Form C11A is not applicable and not completed or filled in.

This template is organized as follows:

C11.A AIR EMISSIONS FROM PROCESS VENTS

- C11.A.1 Implementation Schedule
- C11.A.2 Waste Streams
  - C11.A.2(a) Organic Concentration Determination Via Direct Measurement
    - C11.A.1(a)(1) Sampling Parameters
    - C11.A.1(a)(2) Analytical Results
    - C11.A.1(a)(3) Calculation of Total Organic Concentration
  - C11.A.2(b) Organic Compound Concentration Determination Via Process Knowledge
  - C11.A.2(c) Date and Frequency of Determination
- C11.A.3 Unit Description
- C11.A.4 Emission Estimates
  - C11.A.4(a) Emission Rates
  - C11.A.4(b) Emission Reductions
  - C11.A.4(c) Engineering Calculations
  - C11.A.4(d) Performance Test Plan

C11.A.4(d)(1) Engineering Description of Control Device and Closed-Vent System
C11.A.4(d)(2) Planned Timing
C11.A.4(d)(3) Sampling and Monitoring Procedures
C11.A.4(e) Performance Test Results
C11.A.4(e)(1) Description of Test Runs
C11.A.4(e)(2) Velocity and Volumetric Flow Rate
C11.A.4(e)(3) Organic Compound Content
C11.A.4(e)(4) Total Organic Mass Flow Rate
C11.A.4(e)(5) Total Organic Compound Emissions
C11.A.5 Condenser and Closed-Vent System
C11.A.5(a) Applicable Standards
C11.A.5(b) Design
C11.A.5(c) Design Analysis
C11.A.6 Thermal Vapor Incinerator and Closed-Vent System
C11.A.6(a) Applicable Standards
C11.A.6(b) Design
C11.A.6(c) Design Analysis
C11.A.7 Catalytic Vapor Incinerator and Closed-Vent System
C11.A.7(a) Applicable Standards
C11.A.7(b) Design
C11.A.7(c) Design Analysis
C11.A.8 Boiler/Process Heater and Closed-Vent System
C11.A.8(a) Applicable Standards
C11.A.8(b) Design
C11.A.8(c) Design Analysis
C11.A.9 Flare and Closed-Vent System
C11.A.9(a) Applicable Standards
C11.A.9(b) Design
C11.A.9(c) Design Analysis
C11.A.10 Carbon Absorber and Closed-Vent System
C11.A.10(a) Applicable Standards
C11.A.10(b) Design
C11.A.10(c) Design Analysis
C11.A.11 Certification Statements

C11.A Air Emissions from Process Vents
[R 299.9630 and 40 CFR Part 264, Subpart AA]

☐ Process Vents Associated with Distillation

☐ Process Vents Associated with Fractionation

☐ Process Vents Associated with Thin-film evaporation

☐ Process Vents Associated with Solvent Extraction

☐ Process Vents Associated with Air or Steam Stripping Operations

☐ All Process Vents are Operated in Accordance with 40 CFR Parts 60, 61, or 63

C11.A.1 Implementation Schedule
[R 299.9630 and 40 §CFR 270.24(a)]

C11.A.2 Waste Streams
[R 299.9630 and 40 CFR §264.1034(d)]

C11.A.2(a) Organic Compound Concentration Determination Via Direct Measurement
[R 299.9630 and 40 CFR §264.1034(d)(1)]

C11.A.2(a)(1) Sampling Parameters
[R 299.9630 and 40 CFR §264.1034(d)(1)(i) and (ii)]

C11.A.2(a)(2) Analytical Results
[R 299.9630 and 40 CFR §264.1034(d)(1)(iii)]

C11.A.2(a)(3) Calculation of Total Organic Compound Concentration
[R 299.9630 and 40 CFR §264.1034(d)(1)(iv)]

C11.A.2(b) Organic Compound Concentration Determination Via Process Knowledge
[R 299.9630 and 40 CFR §264.1034(d)(2)]

C11.A.2(c) Date and Frequency of Determination
[R 299.9630 and 40 CFR §264.1034(e)]

C11.A.3 Unit Description
[R 299.11003 and 40 CFR §270.24(b)(1)]

C11.A.4 Emission Estimates
[R 299.11003 and 40 CFR §270.24(b)(1)]

C11.A.4(a) Emission Rates
[R 299.11003 and 40 CFR §270.24(b)(2)]

C11.A.4(b) **Emission Reductions**
[R 299.11003 and 40 CFR §270.24(b)(2)]

C11.A.4(c) **Engineering Calculations**
[R 299.11003 and 40 CFR §270.24(b)(2)]

C11.A.4(d) **Performance Test Plan**
[R 299.9630 and 40 CFR §264.1032(c)]

C11.A.4(d)(1) **Engineering Description of Control Device and Closed-Vent System**
[R 299.9630 and 40 CFR §264.1034]

C11.A.4(d)(2) **Planned Timing**
[R 299.9630 and 40 CFR §264.1034(c)]

C11.A.4(d)(3) **Sampling and Monitoring Procedures**
[R 299.9630 and 40 CFR §264.1034(c)]

C11.A.4(e) **Performance Test Results**
[R 299.9630 and 40 CFR §264.1034(c)]

C11.A.4(e)(1) **Description of Test Runs**
[R 299.9630 and 40 CFR §264.1034(c)]

C11.A.4(e)(2) **Velocity and Volumetric Flow Rate**
[R 299.9630 and 40 CFR §264.1034(c)]

C11.A.4(e)(3) **Organic Compound Content**
[R 299.9630 and 40 CFR §264.1034(c)]

C11.A.4(e)(4) **Total Organic Mass Flow Rate**
[R 299.9630 and 40 CFR §264.1034(c)(1)(iv)]

C11.A.4(e)(5) **Total Organic Compound Emissions**
[R 299.9630 and 40 CFR §264.1034(c)(1)(v) and (vi)]

C11.A.5 **Condenser and Closed-Vent System**
[R 299.9630 and 40 CFR §§264.1033 and 264.1035]

C11.A.5(a) **Applicable Standards**
[R 299.9630 and 40 CFR §264.1033(b)]

C11.A.5(b) **Design**
[R 299.9630 and 40 CFR §264.1035(b)(3)(ii)]

C11.A.5(c) **Design Analysis**
[R 299.9630 and 40 CFR §264.1035(b)(4)(iii)]

C11.A.6 **Thermal Vapor Incinerator and Closed-Vent System**
[R 299.9630 and 40 CFR §264.1033 and 264.1035]

C11.A.6(a) **Applicable Standards**
[R 299.9630 and 40 CFR §264.1033(c)]

C11.A.6(b) **Design**
[R 299.9630 and 40 CFR §264.1035(b)(3)(ii)]

C11.A.6(c) **Design Analysis**
[R 299.9630 and 40 CFR §264.1035(b)(4)(iii)]

C11.A.7 **Catalytic Vapor Incinerator and Closed-Vent System**
[R 299.9630 and 40 CFR §§264.1033 and 264.1035]

C11.A.7(a) **Applicable Standards**
[R 299.9630 and 40 CFR §264.1033(c)]

C11.A.7(b) **Design**
[R 299.9630 and 40 CFR §264.1035(b)(3)(ii)]

C11.A.7(c) **Design Analysis**
[R 299.9630 and 40 CFR §264.1035(b)(4)(iii)]

C11.A.8 **Boiler/Process Heater and Closed-Vent System**
[R 299.9630 and 40 CFR §§264.1033 and 264.1035]

C11.A.8(a) **Applicable Standards**
[R 299.9630 and 40 CFR §264.1033(c)]

C11.A.8(b) **Design**
[R 299.9630 and 40 CFR §264.1035(b)(3)(ii)]

C11.A.8(c) **Design Analysis**
[R 299.9630 and 40 CFR §264.1035(b)(4)(iii)]

C11.A.9 **Flare and Closed-Vent System**
[R 299.9630 and 40 CFR §§264.1033 and 264.1035]

C11.A.9(a) **Applicable Standards**
[R 299.9630 and 40 CFR §264.1033(d)]

C11.A.9(b) **Design**
[R 299.9630 and 40 CFR §264.1035(b)(3)(ii)]

C11.A.9(c) **Design Analysis**
[R 299.9630 and 40 CFR §264.1035(b)(4)(iii)]

C11.A.10 **Carbon Absorber and Closed-Vent System**
[R 299.9630 and 40 CFR §§264.1033 and 264.1035]

C11.A.10(a) **Applicable Standards**
[R 299.9630 and 40 CFR §264.1033(g) and (h)]

C11.A.10(b) **Design**
[R 299.9630 and 40 CFR §264.1035(b)(3)(ii)]

C11.A.10(c) **Design Analysis**
[R 299.9630 and 40 CFR §264.1035(b)(4)(iii)]

C11.A.11 **Performance Test Plan for Other Control Devices**
[R 299.9630 and 40 CFR §§270.24(c) and 264.1035(b)(3)]

C11.A.12 **Certification Statements**
[R 299.9630 and 40 CFR §264.1030(e)]

FORM EQP 5111 ATTACHMENT TEMPLATE C11 - SUBPART BB AIR EMISSIONS FROM EQUIPMENT LEAKS

The administrative rules promulgated pursuant to Part 111, Hazardous Waste Management, of Michigan's Natural Resources and Environmental Protection Act, 1994 PA 451, as amended (Act 451), R 299.9504, R 299.9508, R 299.9605, and R 299.9631; and Title 40 of the Code of Federal Regulations (CFR), Part 264, Subpart BB, and 40 CFR §270.25 establish requirements for controlling organic air emissions from equipment leaks. All references to 40 CFR citations specified herein are adopted by reference in R 299.11003.

This license application template addresses air emission control requirements for equipment leaks at the hazardous waste management facility for the Petro Chem facility in Detroit, Michigan.

(Check as Appropriate)

☒ Applicant for Operating License for Existing Facility

☐ Applicant for Operating License for New, Altered, Enlarged, or Expanded Facility

☒ Equipment Subject 40 CFR Part 264, Subpart BB (R 299.9631)

☐ No Equipment Exists That Is Subject to 40 CFR Part 264, Subpart BB (R 299.9631)

☒ Applicant Elects to Document Compliance with the Relevant Provisions of the Regulations at 40 CFR Part 60, Part 61, or Part 63 Rather than 40 CFR Part 264, Subpart BB

More than one box may be checked. If equipment exists which contacts hazardous wastes with organic compound concentrations of at least 10 percent by weight then the Subpart BB portion of Template C11 must be completed. If the next to last box is checked, skip the remainder of this template and include only this page of the template with the license application. If the last box is checked, skip the remainder of this template and include only this page of the template and the compliance documentation information specified in C11.B.13 with the license application.

📖 EPA 1990. *Hazardous Waste TSDF – Technical Guidance Document for RCRA Air Emission Standards for Process Vents and Equipment Leaks.* Document No. EPA-450/3-89-021. July.

This template is organized as follows:

C11.B AIR EMISSIONS FROM EQUIPMENT LEAKS
- C11.B.1 Waste Streams
  - C11.B.1(a) Organic Concentration Determination Via Direct Measurement
    - C11.B.1(a)(1) Sampling Parameters
    - C11.B.1(a)(2) Analytical Results
  - C11.B.1(b) Organic Concentration Determination Via Process Knowledge
  - C11.B.1(c) Date and Frequency of Determination

C11.B.1(d) Light or Heavy Liquid Designation
C11.B.2 Equipment Identification
C11.B.3 Equipment with No Detectable Emissions
C11.B.3(a) Identification Numbers
C11.B.3(b) Monitoring Procedures
C11.B.3(c) Comparison to Background
C11.B.3(d) Pump Standards
C11.B.3(e) Compressor Standards
C11.B.3(f) Valve Standards
C11.B.4 Closed-Vent Systems and Control Equipment
C11.B.4(a) Condenser
C11.B.4(a)(1) Identification Numbers
C11.B.4(a)(2) Applicable Standards
C11.B.4(a)(3) Design
C11.B.4(a)(4) Design Analysis
C11.B.4(b) Thermal Vapor Incinerator
C11.B.4(b)(1) Identification Numbers
C11.B.4(b)(2) Applicable Standards
C11.B.4(b)(3) Design
C11.B.4(b)(4) Design Analysis
C11.B.4(c) Catalytic Vapor Incinerator
C11.B.4(c)(1) Identification Numbers
C11.B.4(c)(2) Applicable Standards
C11.B.4(c)(3) Design
C11.B.4(c)(4) Design Analysis
C11.B.4(d) Boiler or Process Heater
C11.B.4(d)(1) Identification Numbers
C11.B.4(d)(2) Applicable Standards
C11.B.4(d)(3) Design
C11.B.4(d)(4) Design Analysis
C11.B.4(e) Flare
C11.B.4(e)(1) Identification Numbers
C11.B.4(e)(2) Applicable Standards
C11.B.4(e)(3) Design
C11.B.4(e)(4) Design Analysis
C11.B.4(f) Carbon Absorber
C11.B.4(f)(1) Identification Numbers
C11.B.4(f)(2) Applicable Standards
C11.B.4(f)(3) Design
C11.B.4(f)(4) Design Analysis
C11.B.4(g) Implementation Schedule
C11.B.4(h) Other Control Devices
C11.B.4(h)(1) Identification Numbers
C11.B.4(h)(2) Performance Test Plan
C11.B.4(h)(2)(i) Engineering Description of Control Device and Closed-Vent System
C11.B.4(h)(2)(ii) Planned Timing
C11.B.4(h)(2)(iii) Sampling and Monitoring Procedures
C11.B.4(h)(3) Performance Test Results
C11.B.4(h)(3)(i) Description of Actual Test Runs
C11.B.4(h)(3)(ii) Velocity and Volumetric Flow Rate

C11.B.4(h)(3)(iii) Organic Compound Content
C11.B.4(h)(3)(iv) Total Organic Compound Mass Flow Rate
C11.B.4(h)(3)(v) Total Organic Compound Emissions
C11.B.5 Pumps in Light Liquid Service
C11.B.6 Compressors
C11.B.7 Pressure Relief Devices in Gas/Vapor Service
C11.B.8 Sampling Connection Systems
C11.B.9 Open-ended Valves or Lines
C11.B.10 Valves in Gas/Vapor Service or in Light Liquid Service
C11.B.11 Pumps and Valves in Heavy Liquid Service, Pressure Relief Devices in Light Liquid or Heavy Liquid Service, Flanges, and Other Connectors
C11.B.12 Certification Statements
C11.B.13 Documentation of Compliance with the Relevant Provisions of the Regulations at 40 CFR Part 60, Part 61, or Part 63 Rather than 40 CFR Part 264, Subpart BB

C11.B AIR EMISSIONS FROM EQUIPMENT LEAKS

[R 299.9631 and 40 CFR Part 264, Subpart BB]

☞ *For each unit with equipment that is subject to 40 CFR Part 264, Subpart BB, identify unit type, identify regulatory status, and document any exemption claimed under 40 CFR §264.1. Check appropriate boxes below to identify types of equipment that is present at your facility.*

☒ Pumps in Light Liquid Service

☐ Compressors

☒ Pressure Relief Devices in Gas or Vapor Service

☒ Sampling Connection Systems

☒ Open-ended Valves or Lines

☒ Valves in Gas or Vapor or Light Liquid Service

☐ Pumps and Valves in Heavy Liquid Service

☒ Flanges and Other Connectors

C11.B.1 Waste Streams

[R 299.9631 and 40 CFR §264.1050(b)]

The facility accepts hazardous waste from offsite generators. The facility processes, consolidates, and commingles waste streams with more than 10 percent by weight organic concentrations together to make transportation and disposal more efficient as well as to create a reclaimed fuel to be used as a fuel at permitted boilers and industrial furnaces. Information, including organic concentrations, for the individual waste streams accepted at the facility is contained in the facility's waste characterization reports (waste stream profiles) which are stored in the facility's electronic file system. All the facility's tank systems are assumed to contain more than 10 percent organic concentration. Therefore, all the tank

systems have been included in the facility's Leak Detection and Repair program. See the 2019 Leak Detection and Repair Manual.

C11.B.1(a) Organic Compound Concentration Determination Via Direct Measurement
[R 299.9631 and 40 CFR §264.1063(d)(1) and (2)]

The concentration of organic materials in the waste streams accepted at and managed in tank systems (Subpart BB regulated units) at the facility are assumed to contain greater than 10 percent organic and above the Subpart BB applicability threshold. As a result, total organic sampling and analysis requirements found in 40 CFR 264.1063(d)(1) and (2) to prove the waste is below the 10 percent organic concentration and not subject to Subpart BB is not relevant and not performed. The hazardous waste pipe, pumps and ancillary equipment associated with the RCRA tanks are subject to BB.

The organic content and btu information for each waste stream are provided in the corresponding waste characterization report stored electronically at the facility. Waste stream analysis is described in the waste analysis plan provided in Volume I, Section 3.

C11.B.1(a)(1) Sampling Parameters
[R 299.9631 and 40 CFR §264.1063(d)(1) and (2)]

The concentration of organic materials in the waste streams accepted at and managed in tank systems at the facility are assumed to contain greater than 10 percent organics. As a result, total organic sampling, and analysis to prove the waste is below the 10 percent organic concentration and not subject to Subpart BB is not relevant. The hazardous waste pipe, pumps and ancillary equipment associated with the RCRA tanks are subject to BB.

Waste sampling procedures and parameters are described in the waste analysis plan which has been provided in Volume I, Section 3.

Information on a waste stream's organic content is provided in the corresponding waste characterization report stored electronically at the facility. Waste stream analysis is described in the waste analysis plan provided in Volume I, Section 3.

C11.B.1(a)(2) Analytical Results
[R 299.9631 and 40 CFR §264.1063(d)(1) and (2)]

The concentration of organic materials in the waste streams accepted at and managed in tank systems at the facility are assumed to contain greater than 10 percent organics. As a result, total organic sampling, and analysis to prove the waste is below the 10 percent organic concentration and not subject to Subpart BB is not relevant. The hazardous waste pipe, pumps and ancillary equipment associated with the RCRA tanks are subject to BB.

Waste sampling procedures and parameters are described in the waste analysis plan which has been provided in Volume I, Section 3 of this permit application.

Analytical results and testing parameters / methods for waste streams are provided in the corresponding waste characterization report stored electronically at the facility. Waste stream analysis is described in the waste analysis plan provided in Volume I, Section 3.

Waste stream vapor pressure and component test results have been provided in Volume V, Section 3, Appendix I and II of this permit application.

C11.B.1(b) Organic Compound Concentration Determination Via Process Knowledge
[R 299.9631 and 40 CFR §264.1063(d)(3)]

The concentration of organic materials in the waste streams accepted at and managed in tank systems at the facility are assumed to contain greater than 10 percent organics. As a result, documentation of total organic content via process knowledge to prove the waste is below the 10 percent organic concentration and not subject to Subpart BB is not relevant. The hazardous waste pipe, pumps and ancillary equipment associated with the RCRA tanks are subject to BB.

Waste sampling procedures and parameters are described in the waste analysis plan which has been provided in Volume I, Section 3 of this permit application.

Information on a waste stream's organic content is provided in the corresponding waste characterization report stored electronically at the facility. Waste stream sampling and analysis is described in the waste analysis plan provided in Volume I, Section 3. Waste analysis test results have been provided in Volume V, Section 3, Appendix I of this permit application.

C11.B.1(c) Date and Frequency of Determination
[R 299.9631 and 40 CFR §264.1063(d)]

The concentration of organic materials in the waste streams accepted at and managed in tank systems at the facility are assumed to contain greater than 10 percent organics. As a result, documentation of the date and frequency of total organic content via process knowledge to prove the waste is below the 10 percent organic concentration and not subject to Subpart BB is not relevant. The hazardous waste pipe, pumps and ancillary equipment associated with the RCRA tanks are subject to BB.

Information on a waste stream's organic content is provided in the corresponding waste characterization report stored electronically at the facility. Waste stream sampling and analysis is described in the waste analysis plan provided in Volume I, Section 3 of this permit application.

C11.B.1(d) Light or Heavy Liquid Designation
[R 299.9631 and 40 CFR §264.1063(h)]

It is assumed the hazardous waste managed in the tank systems contains 20 percent or more by weight materials with a vapor pressure greater than 0.3 kPa. Therefore, all valves and pumping equipment at the facility associated with the tank systems are assumed to be in light liquid service and operated accordingly.

Information on a waste stream's organic content is provided in the corresponding waste characterization report stored electronically at the facility. Waste stream sampling and analysis is described in the waste analysis plan provided in Volume I, Section 3. Vapor pressure test results have been provided in Volume V, Section 3, Appendix II of this permit application.

C11.B.2 Equipment Identification
[R 299.9631 and 40 CFR §§264.1050 and 270.25(a)]

A table with unique identification numbers, location, percent organic content, type, physical state, and method of compliance for each piece of equipment subject to Subpart BB emission controls has been provided in Volume V, Section 3, Appendix III. A description of compliance with Subpart BB requirements is maintained with the facility's 2019 Leak Detection and Repair Monitoring Program (LDAR) manual.

C11.B.3 Equipment with No Detectable Emissions
[R 299.9631 and 40 CFR §264.1064(g)(2)]

The facility is not claiming any equipment meets the no detectable emissions exemption provided under 40 CFR 264.1052(e). Therefore, the list of equipment meeting this meeting this exemption is not applicable.

C11.B.3(a) Identification Numbers
[R 299.9631 and 40 CFR §264.1064(g)(1)]

A table with unique identification numbers, location, percent organic content, type, physical state, and method of compliance for each piece of equipment subject to 40 CFR Part 264 Subpart BB emission controls has been provided in Volume V, Section 3, Appendix III of this permit application.

C11.B.3(b) Monitoring Procedures
[R 299.9631 and 40 CFR §264.1063]

The facility's 2019 LDAR Monitoring Program Manual contains monitoring procedures for all equipment subject to 40 CFR Part 264, Subpart BB.

C11.B.3(c) Comparison to Background
[R 299.9631 and 40 CFR §264.1063(c)(2)]

The facility is not claiming any equipment meets the no detectable emissions exemption provided under 40 CFR 264.1052(e). Therefore, the 40 CFR §264.1063(c)(2) requirement to monitor background levels when monitoring for no detectable emission is not applicable. Therefore, this section is not applicable.

The facility's 2019 LDAR Monitoring Program Manual contains monitoring procedures for all equipment subject to 40 CFR Part 264, Subpart BB, including comparison to background concentrations.

C11.B.3(d) Pump Standards
[R 299.9631 and 40 CFR §§264.1052 and 264.1058]

The facility's 2019 LDAR Monitoring Program Manual contains monitoring procedures for equipment (pumps and pressure relief devices) in light liquid service subject to 40 CFR Part 264, Subpart BB. The equipment list provided in Volume V, Section 3, Appendix III of this permit application contains a reference to the corresponding technical drawing/design.

C11.B.3(e) Compressor Standards
[R 299.9631 and 40 CFR §264.1053]

The facility does not operate compressors in hazardous waste service.

The facility's 2019 LDAR Monitoring Program Manual contains monitoring procedures for equipment in light liquid service subject to 40 CFR Part 264, Subpart BB. The equipment list provided in Volume V, Section 3, Appendix III of this permit application contains a reference to the corresponding technical drawing/design.

C11.B.3(f) Valve Standards
[R 299.9631 and 40 CFR §264.1057 and 264.1058]

The facility's 2019 LDAR Monitoring Program Manual contains monitoring procedures for valves in light liquid service subject to 40 CFR Part 264, Subpart BB. The equipment list provided in Volume V, Section 3, Appendix III of this permit application contains a reference to the corresponding technical drawing/design.

C11.B.4 Closed-Vent Systems and Control Equipment
[R 299.9631 and 40 CFR §264.1060]

The facility does not operate a closed-vent system with air emission control equipment. Therefore, this section is not applicable.

C11.B.4(a) Condenser
[R 299.9631 and 40 CFR §264.1060(a)]

The facility does not operate a condenser or a closed-vent system with air emission control equipment. Therefore, this section is not applicable.

C11.B.4(a)(1) Identification Numbers
[R 299.9631 and 40 CFR §270.25(a)(1)]

The facility does not operate a condenser or a closed-vent system with air emission control equipment. Therefore, this section is not applicable.

C11.B.4(a)(2) Applicable Standards
[R 299.9631 and 40 CFR §264.1060(a)]

The facility does not operate a condenser or a closed-vent system with air emission control equipment. Therefore, this section is not applicable.

C11.B.4(a)(3) Design
[R 299.9631 and 40 CFR §264.1060(a)]

The facility does not operate a condenser or a closed-vent system with air emission control equipment. Therefore, this section is not applicable.

C11.B.4(a)(4) Design Analysis
[R 299.9631 and 40 CFR §264.1060(a)]

The facility does not operate a condenser or a closed-vent system with air emission control equipment. Therefore, this section is not applicable.

C11.B.4(b) Thermal Vapor Incinerator
[R 299.9631 and 40 CFR §264.1060(a)]

The facility does not operate a thermal vapor incinerator or a closed-vent system with air emission control equipment. Therefore, this section is not applicable.

C11.B.4(b)(1) Identification Numbers
[R 299.9631 and 40 CFR §270.25(a)(1)]

The facility does not operate a thermal vapor incinerator or a closed-vent system with air emission control equipment. Therefore, this section is not applicable.

C11.B.4(b)(2) Applicable Standards
[R 299.9631 and 40 CFR §264.1060(a)]

The facility does not operate a thermal vapor incinerator or a closed-vent system with air emission control equipment. Therefore, this section is not applicable.

C11.B.4(b)(3) Design
[R 299.9631 and 40 CFR §264.1060(a)]

The facility does not operate a thermal vapor incinerator or a closed-vent system with air emission control equipment. Therefore, this section is not applicable.

C11.B(4)(b)(4) Design Analysis
[R 299.9631 and 40 CFR §264.1060(a)]

The facility does not operate a thermal vapor incinerator or a closed-vent system with air emission control equipment. Therefore, this section is not applicable.

C11.B.4(c) Catalytic Vapor Incinerator
[R 299.9631 and 40 CFR §264.1060(a)]

The facility does not operate a catalytic vapor incinerator or a closed-vent system with air emission control equipment. Therefore, this section is not applicable.

C11.B.4(c)(1) Identification Numbers
[R 299.9631 and 40 CFR §270.25(a)(1)]

The facility does not operate a catalytic vapor incinerator or a closed-vent system with air emission control equipment. Therefore, this section is not applicable.

C11.B.4(c)(2) Applicable Standards
[R 299.9631 and 40 CFR §264.1060(a)]

The facility does not operate a catalytic vapor incinerator or a closed-vent system with air emission control equipment. Therefore, this section is not applicable.

C11.B.4(c)(3) Design
[R 299.9631 and 40 CFR §264.1060(a)]

The facility does not operate a catalytic vapor incinerator or a closed-vent system with air emission control equipment. Therefore, this section is not applicable.

C11.B.4(c)(4) Design Analysis
[R 299.9631 and 40 CFR §264.1060(a)]

The facility does not operate a catalytic vapor incinerator or a closed-vent system with air emission control equipment. Therefore, this section is not applicable.

C11.B.4(d) Boiler or Process Heater
[R 299.9631 and 40 CFR §264.1060(a)]

The facility does not operate a boiler or process heater in coordination with a closed-vent system. Therefore, this section is not applicable.

C11.B.4(d)(1) Identification Numbers
[R 299.9631 and 40 CFR §270.25(a)(1)]

The facility does not operate a boiler or process heater in coordination with a closed-vent system. Therefore, this section is not applicable.

C11.B.4(d)(2) Applicable Standards
[R 299.9631 and 40 CFR §264.1060(a)]

The facility does not operate a boiler or process heater in coordination with a closed-vent system. Therefore, this section is not applicable.

C11.B.4(d)(3) Design
[R 299.9631 and 40 CFR §264.1060(a)]
The facility does not operate a boiler or process heater in coordination with a closed-vent system. Therefore, this section is not applicable.

C11.B.4(d)(4) Design Analysis
[R 299.9631 and 40 CFR §264.1060(a)]

The facility does not operate a boiler or process heater in coordination with a closed-vent system. Therefore, this section is not applicable.

C11.B.4(e) Flare
[R 299.9631 and 40 CFR §264.1060(a)]

The facility does not operate a flare in coordination with a closed-vent system. Therefore, this section is not applicable.

C11.B.4(e)(1) Identification Numbers
[R 299.9631 and 40 CFR §270.25(a)(1)]

The facility does not operate a flare in coordination with a closed-vent system. Therefore, this section is not applicable.

C11.B.4(e)(2) Applicable Standards
[R 299.9631 and 40 CFR §264.1060(a)]

The facility does not operate a flare in coordination with a closed-vent system. Therefore, this section is not applicable.

C11.B.4(e)(3) Design
[R 299.9631 and 40 CFR §264.1060(a)]

The facility does not operate a flare in coordination with a closed-vent system. Therefore, this section is not applicable.

C11.B.4(e)(4) Design Analysis
[R 299.9631 and 40 CFR §264.1060(a)]

The facility does not operate a flare in coordination with a closed-vent system. Therefore, this section is not applicable.

C11.B.4(f) Carbon Absorber
[R 299.9631 and 40 CFR §264.1060(a)]

The facility does not operate a carbon absorber in coordination with a close-vent system.

The facility does operate a vapor balance system that does not include carbon absorption system at this time. The facility may add carbon absorption to the vapor balance system when the new CMB-2 building is constructed. The facility will determine if the new system will meet the close-vent system requirements and provide additional information to EGLE at that time.

C11.B.4(f)(1) Identification Numbers
[R 299.9631 and 40 CFR §270.25(a)(1)]

The facility does not operate a closed-vent system with air emission control devices. Therefore, this section is not applicable.

C11.B.4(f)(2) Applicable Standards
[R 299.9631 and 40 CFR §264.1060(a)]

The facility does not operate a closed-vent system with air emission control devices. Therefore, this section is not applicable.

C11.B.4(f)(3) Design
[R 299.9631 and 40 CFR §264.1060(a)]

The facility does not operate a closed-vent system with air emission control devices. Therefore, this section is not applicable.

C11.B.4(f)(4) Design Analysis
[R 299.9631 and 40 CFR §264.1060(a)]

The facility does not operate a closed-vent system with air emission control devices. Therefore, this section is not applicable.

C11.B.4(g) Implementation Schedule
[R 299.9630 and 40 CFR §270.25(b)]

The facility does not operate a closed-vent system with air emission control devices. Therefore, this section is not applicable.

C11.B.4(h) Other Control Devices
[R 299.9631 and 40 CFR §§264.1060(a) and 270.25(c)]

The facility does not operate an “other control device” per the definition in 264.1031. Therefore, this section is not applicable.

C11.B.4(h)(1) Identification Numbers
[R 299.9631 and 40 CFR §270.25(a)(1)]

The facility does not operate an “other control device” per the definition in 264.1031. This section is not applicable.

C11.B.4(h)(2) Performance Test Plan
[R 299.9631 and 40 CFR §§264.1035(b)(3) and 270.25(c)]

The facility does not operate an “other control device” per the definition control device in 264.1031. Therefore, this section is not applicable.

C11.B.4(h)(2)(i) Engineering Description of Control Device and Closed Vent System
[R 299.9631 and 40 CFR §§264.1035(b)(3) and 270.25(c)]

The facility does not operate an “other control device” per the definition control device in 264.1031. Therefore, this section is not applicable.

C11.B.4(h)(2)(ii) Planned Timing
[R 299.9631 and 40 CFR §§264.1035(b)(3) and 270.25(c)]

The facility does not operate an “other control device” per the definition control device in 264.1031. Therefore, this section is not applicable.

C11.B.4(h)(2)(iii) Sampling and Monitoring Procedures
[R 299.9631 and 40 CFR §§264.1035(b)(3) and 270.25(c)]

The facility does not operate an “other control device” per the definition control device in 264.1031. Therefore, this section is not applicable.

C11.B.4(h)(3) Performance Test Results
[R 299.9631 and 40 CFR §§264.1035(b)(3) and 270.25(c)]

The facility does not operate an “other control device” per the definition control device in 264.1031. Therefore, this section is not applicable.

C11.B.4(h)(3)(i) Description of Actual Test Runs
[R 299.9631 and 40 CFR §§264.1035(b)(3) and 270.25(c)]

The facility does not operate an “other control device” per the definition control device in 264.1031. Therefore, this section is not applicable.

C11.B.4(h)(3)(ii) Velocity and Volumetric Flow Rate
[R 299.9631 and 40 CFR §§264.1035(b)(3) and 270.25(c)]

The facility does not operate an “other control device” per the definition control device in 264.1031. Therefore, this section is not applicable.

C11.B.4(h)(3)(iii) Organic Compound Content
[R 299.9631 and 40 CFR §§264.1035(b)(3) and 270.25(c)]

The facility does not operate an “other control device” per the definition control device in 264.1031. Therefore, this section is not applicable.

C11.B.4(h)(3)(iv) Total Organic Compound Mass Flow Rate
[R 299.9631 and 40 CFR §§264.1035(b)(3) and 270.25(c)]

The facility does not operate an “other control device” per the definition control device in 264.1031. Therefore, this section is not applicable.

C11.B.4(h)(3)(v) Total Organic Compound Emissions
[R 299.9631 and 40 CFR §§264.1035(b)(3) and 270.25(c)]

The facility does not operate an “other control device” per the definition control device in 264.1031. Therefore, this section is not applicable.

C11.B.5 Pumps in Light Liquid Service
[R 299.9631 and 40 CFR §270.25(d)]

The facility’s LDAR program contains a description of the program and procedures the facility has employed to comply with air permit PTI 6-19 including weekly visual monitoring and monthly LDAR monitoring as well as response to any leaks. Copies of the monitoring logs and maintenance request forms have been provided in Volume V, Section 3, Appendix IV and V.

C11.B.6 Compressors
[R 299.9631 and 40 CFR §270.25(d)]

The facility does not operate any compressors for the transfer of hazardous waste. Therefore, this section is not applicable.

C11.B.7 Pressure Relief Devices in Gas or Vapor Service
[R 299.9631 and 40 CFR §270.25(d)]

The facility has a leak detection and repair program compliant with air permit PTI 6-19. The facility’s 2019 LDAR Manual describes the monitoring required for pressure relief devices in gas/vapor service to confirm detectable emissions from these devices are below 500ppm above background. Copies of the monitoring logs and maintenance request forms have been provided in Volume V, Section 3, Appendix IV of this permit application.

C11.B.8 Sampling Connection Systems
[R 299.9631 and 40 CFR §270.25(d)]

Sample collection procedures are described in the facilities waste analysis plan provided in Volume I, Section 3 of this permit application. Any sample fluids not used for analysis are collected and placed back in the waste management unit, container or tank.

C11.B.9 Open-ended Valves or Lines
[R 299.9631 and 40 CFR §270.25(d)]

The facility has a leak detection and repair program compliant with air permit PTI 6-19. The facility performs inspections to ensure the terminal lines are properly capped, blind flanged, or fitted with a closed secondary valve. Lines equipped with a secondary valve is operated such that the valve on the hazardous waste side is closed before the second valve is closed. Copies of the monitoring logs and maintenance request forms have been provided in Volume V, Section 3, Appendix IV and V of this permit application.

C11.B.10 Valves in Gas/Vapor Service or in Light Liquid Service
[R 299.9631 and 40 CFR §270.25(d)]

The facility has a leak detection and repair program compliant with air permit PTI 6-19 which describes the monthly LDAR monitoring. The program requires leaking valves be repaired within 15 calendar days of detecting a leak and the first attempt at repair must be made within 5 calendar days. Copies of the monitoring logs and maintenance request forms have been provided in Volume V, Section 3, Appendix IV and V of this permit application.

C11.B.11 Pumps and Valves in Heavy Liquid Service, Pressure Relief Devices in Light Liquid or Heavy Liquid Service, Flanges, and Other Connectors
[R 299.9631 and 40 CFR §270.25(d)]

The facility operates pressure relief devices, flanges and other connectors in light liquid services. The facility has a leak detection and repair program compliant with air permit PTI 6-19. The LDAR program includes a requirement to perform monitoring of the pressure relief devices, flanges and other connectors in light liquid service within 5 days after evidence of a potential leak is discovered by audible, olfactory, visual, or any other detection method. The program required repairs within 15 days of being discovered and that first attempts at repair be conducted with 5 calendar days. Copies of the monitoring logs and maintenance request forms have been provided in Volume V, Section 3, Appendix IV and V of this permit application.

C11.B.12 Certification Statements
[R 299.9631 and 40 CFR §270.25(e)(4) and (5)]

The facility does not operate any 40 CFR 264.1033 closed-vent systems and corresponding control devices. Therefore, the 40 CFR §270.25(e)(4) and (5) certification is not applicable.

C11.B.13 Documentation of Compliance with the Relevant Provisions of the Regulations at 40 CFR Part 60, Part 61, or Part 63 Rather than 40 CFR Part 264, Subpart BB
[R 299.9631 and 40 CFR §§264.1064(m) and 40 CFR 270.25(d)]

The facility will comply with the air emission requirements found in air permit PTI 6-19. The facility air permit and LDAR program will be used to document compliance with 40 CFR 264 Subpart BB.

The cover letter to this application includes the owner/operator certification documenting the equipment is in compliance with the facility's air permit PTI 6-19 and the applicable regulations under 40 CFR Part 60, Part 61 and Part 63. A copy of the air permit has been provided in Volume IV, Section 1, Appendix B4.3. The facility has prepared an LDAR monitoring program and Benzene Monitoring program compliant with the air permit PTI 6-19.

Appendix I

RTI Lab Reports

RTI LABORATORIES, INC.

31628 Glendale St.
Livonia, Michigan 48150
TEL: 734.422.8000
FAX: 734.422.5342
Website: www.rtilab.com

February 12, 2008

Jeffrey Davis
PSC Environmental Services
515 Lycaste St
Detroit, MI 48214-3473

TEL: (313) 824-5303
FAX: (313) 824-5865

RE: Chemfuel

Order No.: 0802023

Dear Jeffrey Davis:

RTI Laboratories received 1 sample(s) on 2/1/2008 for the analyses presented in the following report.

There were no problems with the analytical events associated with this report unless noted in the Case Narrative. Analytical results designated with a "J" qualifier are estimated and represent a detection above the Method Detection Limit (MDL) and less than the Reporting Limit (PQL). These analytes are not reviewed nor narrated as to whether they are laboratory artifacts.

Quality control data is within laboratory defined or method specified acceptance limits except if noted.

If you have any questions regarding these tests results, please feel free to call.

Sincerely,

Charles O`Bryan
Director, Quality Management

RTI LABORATORIES, INC.

31628 Glendale St.
Livonia, Michigan 48150
TEL: 734.422.8000
FAX: 734.422.5342
Website: www.rtilab.com

Case Narrative

WO#: **0802023**
Date: **2/12/2008**

CLIENT: PSC Environmental Services
Project: Chemfuel

This report in its entirety consists of the documents listed below. All documents contain the RTI Work Order Number assigned to this report.

1. Paginated Report including: Case Narrative, Analytical Results and Applicable Quality Control Summary Reports.

2. A Cover Letter that immediately precedes the Paginated Report.

3. Paginated copies of the Chain of Custody Documents supplied with this sample set.

Concentrations reported with a J flag in the Qual field are values below the reporting limit (RL) but greater than the established method detection limit (MDL). There is greater uncertainty associated with these results and data should be considered as estimated.

Concentrations reported with an E flag in the Qual field are values that exceed the upper quantification range. There is greater uncertainty associated with these results and data should be considered as estimated.

Any comments or problems with the analytical events associated with this report are noted below.

Analytical Comments for METHOD SW_8270-O, SAMPLE 0802023-001A: This sample was extremely high in phenolic compounds and required dilution for analysis.The sample was prepped as a waste dilution, no surrgate was added.

RTI LABORATORIES, INC.

31628 Glendale St.
Livonia, Michigan 48150
TEL: 734.422.8000
FAX: 734.422.5342
Website: www.rtilab.com

Analytical Report

(consolidated)

WO#: **0802023**

Date Reported: **2/12/2008**

CLIENT: PSC Environmental Services **Collection Date:** 1/31/2008

Project: Chemfuel

Lab ID: 0802023-001 **Matrix:** SOLVENT

Client Sample ID Chemfuel Comp

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
NONHALOGENATED ORGANICS, GC/FID				**SW8015B**		Analyst: **MB**
1-Butanol	ND	100		mg/Kg	10	2/7/2008 3:58:06 AM
1-Propanol	2,500	100		mg/Kg	10	2/7/2008 3:58:06 AM
2-Ethoxyethanol	ND	100		mg/Kg	10	2/7/2008 3:58:06 AM
2-Methoxyethanol	ND	100		mg/Kg	10	2/7/2008 3:58:06 AM
2-Methyl-1-propanol	ND	100		mg/Kg	10	2/7/2008 3:58:06 AM
2-Propanol	95,000	1,000		mg/Kg	100	2/7/2008 2:50:14 AM
Cyclohexanone	100	100		mg/Kg	10	2/7/2008 3:58:06 AM
Ethanol	16,000	1,000		mg/Kg	100	2/7/2008 2:50:14 AM
Ethyl acetate	ND	100		mg/Kg	10	2/7/2008 3:58:06 AM
Ethylene glycol	11,000	1,000		mg/Kg	100	2/7/2008 12:47:03 PM
Methanol	73,000	1,000		mg/Kg	100	2/7/2008 2:50:14 AM
Propylene glycol	ND	100		mg/Kg	10	2/7/2008 1:01:23 PM
ALDEHYDES AND KETONES				**SW8315A**		Analyst: **MB**
Formaldehyde	490,000	5,000		µg/Kg	1	2/7/2008 4:20:59 PM
EPA METHOD 24 VOC CONTENT				**EPA24**		Analyst: **MW**
Density, 24°C	7.79	0.0100		lbs/gal	1	2/6/2008
NVR	26.7	0.100		%	1	2/6/2008
VOC Content (less water)	4.96	0.100		lbs/gal	1	2/6/2008
Water	23.8	0.100		%	1	2/6/2008
METALS, ICP/MS				**SW6020A**		Analyst: **AB2**
Aluminum	810,000	8,100		µg/Kg	100	2/7/2008 12:42:10 PM
Antimony	36,000	270		µg/Kg	10	2/5/2008 5:26:15 PM
Arsenic	680	81		µg/Kg	10	2/7/2008 12:31:34 PM
Barium	330,000	8,100		µg/Kg	100	2/7/2008 12:42:10 PM
Beryllium	ND	410		µg/Kg	10	2/7/2008 12:31:34 PM
Cadmium	1,800	160		µg/Kg	10	2/7/2008 12:31:34 PM
Calcium	470,000	410,000		µg/Kg	100	2/7/2008 12:42:10 PM
Chromium	57,000	8,100		µg/Kg	100	2/7/2008 12:42:10 PM

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	M	Manual Integration used to determine area response
ND	Not Detected at the Reporting Limit	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits		

RTI LABORATORIES, INC.

31628 Glendale St.
Livonia, Michigan 48150
TEL: 734.422.8000
FAX: 734.422.5342
Website: www.rtilab.com

Analytical Report

(consolidated)

WO#: **0802023**

Date Reported: **2/12/2008**

CLIENT: PSC Environmental Services **Collection Date:** 1/31/2008

Project: Chemfuel

Lab ID: 0802023-001 **Matrix:** SOLVENT

Client Sample ID Chemfuel Comp

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
METALS, ICP/MS				**SW6020A**		Analyst: **AB2**
Cobalt	4,000	4,100	J	µg/Kg	100	2/7/2008 12:42:10 PM
Copper	21,000	810		µg/Kg	10	2/7/2008 12:31:34 PM
Iron	810,000	160,000		µg/Kg	100	2/7/2008 12:42:10 PM
Lead	32,000	810		µg/Kg	10	2/7/2008 12:31:34 PM
Magnesium	94,000	200,000	J	µg/Kg	100	2/7/2008 12:42:10 PM
Manganese	11,000	8,100		µg/Kg	100	2/7/2008 12:42:10 PM
Nickel	7,600	8,100	J	µg/Kg	100	2/7/2008 12:42:10 PM
Potassium	ND	160,000		µg/Kg	100	2/7/2008 12:42:10 PM
Selenium	510	160		µg/Kg	10	2/7/2008 12:31:34 PM
Silver	930	91		µg/Kg	10	2/5/2008 5:26:15 PM
Sodium	3,400,000	240,000		µg/Kg	100	2/7/2008 12:42:10 PM
Thallium	97	410	J	µg/Kg	10	2/7/2008 12:31:34 PM
Vanadium	2,000	8,100	J	µg/Kg	100	2/7/2008 12:42:10 PM
Zinc	120,000	810		µg/Kg	10	2/7/2008 12:31:34 PM
MERCURY				**SW7471A**		Analyst: **AB2**
Mercury	ND	16		µg/Kg	1	2/6/2008 4:29:07 PM
SEMI-VOLATILE ORGANIC COMPOUNDS				**SW8270C**		Analyst: **JW**
1,2,4-Trichlorobenzene	ND	5,000		µg/Kg	1000	2/6/2008 11:36:00 PM
1,4-Dichlorobenzene	ND	5,000		µg/Kg	1000	2/6/2008 11:36:00 PM
2,2´-oxybis(1-Chloropropane)	ND	5,000		µg/Kg	1000	2/6/2008 11:36:00 PM
2,3,4,6-Tetrachlorophenol	ND	5,000		µg/Kg	1000	2/6/2008 11:36:00 PM
2,4,5-Trichlorophenol	ND	5,000		µg/Kg	1000	2/6/2008 11:36:00 PM
2,4,6-Trichlorophenol	ND	5,000		µg/Kg	1000	2/6/2008 11:36:00 PM
2,4-Dichlorophenol	ND	5,000		µg/Kg	1000	2/6/2008 11:36:00 PM
2,4-Dimethylphenol	ND	5,000		µg/Kg	1000	2/6/2008 11:36:00 PM
2,4-Dinitrophenol	ND	20,000		µg/Kg	1000	2/6/2008 11:36:00 PM
2,4-Dinitrotoluene	ND	5,000		µg/Kg	1000	2/6/2008 11:36:00 PM
2,6-Dichlorophenol	ND	5,000		µg/Kg	1000	2/6/2008 11:36:00 PM
2,6-Dinitrotoluene	ND	5,000		µg/Kg	1000	2/6/2008 11:36:00 PM
2-Chloronaphthalene	ND	5,000		µg/Kg	1000	2/6/2008 11:36:00 PM

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	M	Manual Integration used to determine area response
ND	Not Detected at the Reporting Limit	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits		

RTI LABORATORIES, INC.

31628 Glendale St.
Livonia, Michigan 48150
TEL: 734.422.8000
FAX: 734.422.5342
Website: www.rtilab.com

Analytical Report

(consolidated)

WO#: **0802023**

Date Reported: **2/12/2008**

CLIENT: PSC Environmental Services **Collection Date:** 1/31/2008

Project: Chemfuel

Lab ID: 0802023-001 **Matrix:** SOLVENT

Client Sample ID Chemfuel Comp

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
SEMI-VOLATILE ORGANIC COMPOUNDS				**SW8270C**		Analyst: **JW**
2-Chlorophenol	ND	5,000		µg/Kg	1000	2/6/2008 11:36:00 PM
2-Methylnaphthalene	ND	5,000		µg/Kg	1000	2/6/2008 11:36:00 PM
2-Methylphenol	ND	20,000		µg/Kg	1000	2/6/2008 11:36:00 PM
2-Nitroaniline	ND	20,000		µg/Kg	1000	2/6/2008 11:36:00 PM
2-Nitrophenol	ND	5,000		µg/Kg	1000	2/6/2008 11:36:00 PM
3 & 4-Methylphenol	ND	20,000		µg/Kg	1000	2/6/2008 11:36:00 PM
3,3'-Dichlorobenzidine	ND	5,000		µg/Kg	1000	2/6/2008 11:36:00 PM
3-Nitroaniline	ND	20,000		µg/Kg	1000	2/6/2008 11:36:00 PM
4,6-Dinitro-2-methylphenol	ND	5,000		µg/Kg	1000	2/6/2008 11:36:00 PM
4-Bromophenyl phenyl ether	ND	5,000		µg/Kg	1000	2/6/2008 11:36:00 PM
4-Chloro-3-methylphenol	ND	5,000		µg/Kg	1000	2/6/2008 11:36:00 PM
4-Chloroaniline	ND	5,000		µg/Kg	1000	2/6/2008 11:36:00 PM
4-Chlorophenyl phenyl ether	ND	5,000		µg/Kg	1000	2/6/2008 11:36:00 PM
4-Nitroaniline	ND	20,000		µg/Kg	1000	2/6/2008 11:36:00 PM
4-Nitrophenol	ND	20,000		µg/Kg	1000	2/6/2008 11:36:00 PM
Acenaphthene	ND	5,000		µg/Kg	1000	2/6/2008 11:36:00 PM
Acenaphthylene	ND	5,000		µg/Kg	1000	2/6/2008 11:36:00 PM
Aniline	ND	5,000		µg/Kg	1000	2/6/2008 11:36:00 PM
Anthracene	ND	5,000		µg/Kg	1000	2/6/2008 11:36:00 PM
Benzidine	ND	20,000		µg/Kg	1000	2/6/2008 11:36:00 PM
Benzo(a)anthracene	ND	5,000		µg/Kg	1000	2/6/2008 11:36:00 PM
Benzo(a)pyrene	ND	5,000		µg/Kg	1000	2/6/2008 11:36:00 PM
Benzo(b)fluoranthene	ND	5,000		µg/Kg	1000	2/6/2008 11:36:00 PM
Benzo(g,h,i)perylene	ND	5,000		µg/Kg	1000	2/6/2008 11:36:00 PM
Benzo(k)fluoranthene	ND	5,000		µg/Kg	1000	2/6/2008 11:36:00 PM
Benzoic acid	ND	50,000		µg/Kg	1000	2/6/2008 11:36:00 PM
Benzyl alcohol	ND	20,000		µg/Kg	1000	2/6/2008 11:36:00 PM
Bis(2-chloroethoxy)methane	ND	5,000		µg/Kg	1000	2/6/2008 11:36:00 PM
Bis(2-chloroethyl) ether	ND	5,000		µg/Kg	1000	2/6/2008 11:36:00 PM
Bis(2-ethylhexyl) phthalate	ND	5,000		µg/Kg	1000	2/6/2008 11:36:00 PM
Butyl benzyl phthalate	ND	5,000		µg/Kg	1000	2/6/2008 11:36:00 PM
Carbazole	ND	5,000		µg/Kg	1000	2/6/2008 11:36:00 PM
Chrysene	ND	5,000		µg/Kg	1000	2/6/2008 11:36:00 PM
Dibenzo (a,h) anthracene	ND	5,000		µg/Kg	1000	2/6/2008 11:36:00 PM

Qualifiers:

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Analytical Report

(consolidated)

WO#: **0802023**

Date Reported: **2/12/2008**

CLIENT: PSC Environmental Services **Collection Date:** 1/31/2008

Project: Chemfuel

Lab ID: 0802023-001 **Matrix:** SOLVENT

Client Sample ID Chemfuel Comp

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
SEMI-VOLATILE ORGANIC COMPOUNDS				**SW8270C**		Analyst: **JW**
Dibenzofuran	ND	5,000		µg/Kg	1000	2/6/2008 11:36:00 PM
Diethyl phthalate	ND	5,000		µg/Kg	1000	2/6/2008 11:36:00 PM
Dimethyl phthalate	ND	5,000		µg/Kg	1000	2/6/2008 11:36:00 PM
Di-n-butyl phthalate	ND	5,000		µg/Kg	1000	2/6/2008 11:36:00 PM
Di-n-octyl phthalate	ND	5,000		µg/Kg	1000	2/6/2008 11:36:00 PM
Fluoranthene	ND	5,000		µg/Kg	1000	2/6/2008 11:36:00 PM
Fluorene	ND	5,000		µg/Kg	1000	2/6/2008 11:36:00 PM
Hexachlorobenzene	ND	5,000		µg/Kg	1000	2/6/2008 11:36:00 PM
Hexachlorobutadiene	ND	5,000		µg/Kg	1000	2/6/2008 11:36:00 PM
Hexachlorocyclopentadiene	ND	5,000		µg/Kg	1000	2/6/2008 11:36:00 PM
Hexachloroethane	ND	5,000		µg/Kg	1000	2/6/2008 11:36:00 PM
Indeno(1,2,3-cd)pyrene	ND	5,000		µg/Kg	1000	2/6/2008 11:36:00 PM
Isophorone	ND	5,000		µg/Kg	1000	2/6/2008 11:36:00 PM
Naphthalene	ND	5,000		µg/Kg	1000	2/6/2008 11:36:00 PM
Nitrobenzene	ND	5,000		µg/Kg	1000	2/6/2008 11:36:00 PM
N-Nitrosodimethylamine	ND	5,000		µg/Kg	1000	2/6/2008 11:36:00 PM
N-Nitrosodi-n-propylamine	ND	5,000		µg/Kg	1000	2/6/2008 11:36:00 PM
N-Nitrosodiphenylamine	ND	5,000		µg/Kg	1000	2/6/2008 11:36:00 PM
Pentachlorophenol	ND	5,000		µg/Kg	1000	2/6/2008 11:36:00 PM
Phenanthrene	ND	5,000		µg/Kg	1000	2/6/2008 11:36:00 PM
Phenol	31,000	5,000		µg/Kg	1000	2/6/2008 11:36:00 PM
Pyrene	ND	5,000		µg/Kg	1000	2/6/2008 11:36:00 PM
Pyridine	ND	5,000		µg/Kg	1000	2/6/2008 11:36:00 PM
Surr: 2,4,6-Tribromophenol		-		%REC	1000	2/6/2008 11:36:00 PM
Surr: 2-Fluorobiphenyl		-		%REC	1000	2/6/2008 11:36:00 PM
Surr: 2-Fluorophenol		-		%REC	1000	2/6/2008 11:36:00 PM
Surr: Nitrobenzene-d5		-		%REC	1000	2/6/2008 11:36:00 PM
Surr: Phenol-d5		-		%REC	1000	2/6/2008 11:36:00 PM
Surr: Terphenyl-d14		-		%REC	1000	2/6/2008 11:36:00 PM
VOLATILE ORGANIC COMPOUNDS				**SW8260B**		Analyst: **MT3**
1,1,1,2-Tetrachloroethane	ND	1,000,000		µg/Kg	1000000	2/7/2008 1:12:00 AM
1,1,1-Trichloroethane	ND	1,000,000		µg/Kg	1000000	2/7/2008 1:12:00 AM

Qualifiers:

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Analytical Report

(consolidated)

WO#: **0802023**

Date Reported: **2/12/2008**

CLIENT: PSC Environmental Services **Collection Date:** 1/31/2008

Project: Chemfuel

Lab ID: 0802023-001 **Matrix:** SOLVENT

Client Sample ID Chemfuel Comp

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS				**SW8260B**		Analyst: **MT3**
1,1,2,2-Tetrachloroethane	ND	1,000,000		µg/Kg	1000000	2/7/2008 1:12:00 AM
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	1,000,000		µg/Kg	1000000	2/7/2008 1:12:00 AM
1,1,2-Trichloroethane	ND	1,000,000		µg/Kg	1000000	2/7/2008 1:12:00 AM
1,1-Dichloroethane	ND	1,000,000		µg/Kg	1000000	2/7/2008 1:12:00 AM
1,1-Dichloroethene	ND	1,000,000		µg/Kg	1000000	2/7/2008 1:12:00 AM
1,1-Dichloropropene	ND	1,000,000		µg/Kg	1000000	2/7/2008 1:12:00 AM
1,2,3-Trichlorobenzene	ND	1,000,000		µg/Kg	1000000	2/7/2008 1:12:00 AM
1,2,3-Trichloropropane	ND	1,000,000		µg/Kg	1000000	2/7/2008 1:12:00 AM
1,2,3-Trimethylbenzene	670,000	1,000,000	J	µg/Kg	1000000	2/7/2008 1:12:00 AM
1,2,4-Trichlorobenzene	ND	5,000,000		µg/Kg	1000000	2/7/2008 1:12:00 AM
1,2,4-Trimethylbenzene	3,600,000	1,000,000		µg/Kg	1000000	2/7/2008 1:12:00 AM
1,2-Dibromo-3-chloropropane	ND	5,000,000		µg/Kg	1000000	2/7/2008 1:12:00 AM
1,2-Dichlorobenzene	ND	1,000,000		µg/Kg	1000000	2/7/2008 1:12:00 AM
1,2-Dichloroethane	ND	1,000,000		µg/Kg	1000000	2/7/2008 1:12:00 AM
1,2-Dichloropropane	ND	1,000,000		µg/Kg	1000000	2/7/2008 1:12:00 AM
1,3,5-Trimethylbenzene	1,100,000	1,000,000		µg/Kg	1000000	2/7/2008 1:12:00 AM
1,3-Dichlorobenzene	ND	1,000,000		µg/Kg	1000000	2/7/2008 1:12:00 AM
1,3-Dichloropropane	ND	1,000,000		µg/Kg	1000000	2/7/2008 1:12:00 AM
1,4-Dichlorobenzene	ND	1,000,000		µg/Kg	1000000	2/7/2008 1:12:00 AM
2,2-Dichloropropane	ND	1,000,000		µg/Kg	1000000	2/7/2008 1:12:00 AM
2-Chloroethyl vinyl ether	ND	10,000,000		µg/Kg	1000000	2/7/2008 1:12:00 AM
2-Chlorotoluene	ND	1,000,000		µg/Kg	1000000	2/7/2008 1:12:00 AM
2-Hexanone	ND	50,000,000		µg/Kg	1000000	2/7/2008 1:12:00 AM
2-Methylnaphthalene	ND	5,000,000		µg/Kg	1000000	2/7/2008 1:12:00 AM
2-Nitropropane	ND	4,000,000		µg/Kg	1000000	2/7/2008 1:12:00 AM
4-Chlorotoluene	ND	1,000,000		µg/Kg	1000000	2/7/2008 1:12:00 AM
Acetone	6,900,000	50,000,000	J	µg/Kg	1000000	2/7/2008 1:12:00 AM
Acrylonitrile	ND	5,000,000		µg/Kg	1000000	2/7/2008 1:12:00 AM
Benzene	ND	600,000		µg/Kg	1000000	2/7/2008 1:12:00 AM
Bromobenzene	ND	1,000,000		µg/Kg	1000000	2/7/2008 1:12:00 AM
Bromochloromethane	ND	1,000,000		µg/Kg	1000000	2/7/2008 1:12:00 AM
Bromodichloromethane	ND	1,000,000		µg/Kg	1000000	2/7/2008 1:12:00 AM
Bromoform	ND	1,000,000		µg/Kg	1000000	2/7/2008 1:12:00 AM
Bromomethane	ND	5,000,000		µg/Kg	1000000	2/7/2008 1:12:00 AM

Qualifiers:

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Analytical Report

(consolidated)

WO#: **0802023**

Date Reported: **2/12/2008**

CLIENT: PSC Environmental Services **Collection Date:** 1/31/2008

Project: Chemfuel

Lab ID: 0802023-001 **Matrix:** SOLVENT

Client Sample ID Chemfuel Comp

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS				**SW8260B**		Analyst: **MT3**
Carbon disulfide	ND	5,000,000		µg/Kg	1000000	2/7/2008 1:12:00 AM
Carbon tetrachloride	ND	1,000,000		µg/Kg	1000000	2/7/2008 1:12:00 AM
Chlorobenzene	ND	1,000,000		µg/Kg	1000000	2/7/2008 1:12:00 AM
Chloroethane	ND	5,000,000		µg/Kg	1000000	2/7/2008 1:12:00 AM
Chloroform	2,000,000	1,000,000		µg/Kg	1000000	2/7/2008 1:12:00 AM
Chloromethane	ND	1,000,000		µg/Kg	1000000	2/7/2008 1:12:00 AM
cis-1,2-Dichloroethene	ND	1,000,000		µg/Kg	1000000	2/7/2008 1:12:00 AM
cis-1,3-Dichloropropene	ND	1,000,000		µg/Kg	1000000	2/7/2008 1:12:00 AM
Dibromochloromethane	ND	1,000,000		µg/Kg	1000000	2/7/2008 1:12:00 AM
Dibromomethane	ND	1,000,000		µg/Kg	1000000	2/7/2008 1:12:00 AM
Dichlorodifluoromethane	ND	1,000,000		µg/Kg	1000000	2/7/2008 1:12:00 AM
Dichloromethane	1,100,000	5,000,000	J	µg/Kg	1000000	2/7/2008 1:12:00 AM
Diethyl ether	ND	5,000,000		µg/Kg	1000000	2/7/2008 1:12:00 AM
Ethyl methacrylate	ND	1,000,000		µg/Kg	1000000	2/7/2008 1:12:00 AM
Ethylbenzene	10,000,000	1,000,000		µg/Kg	1000000	2/7/2008 1:12:00 AM
Ethylene dibromide	ND	1,000,000		µg/Kg	1000000	2/7/2008 1:12:00 AM
Hexachlorobutadiene	ND	5,000,000		µg/Kg	1000000	2/7/2008 1:12:00 AM
Hexachloroethane	ND	1,000,000		µg/Kg	1000000	2/7/2008 1:12:00 AM
Isopropyl ether	ND	5,000,000		µg/Kg	1000000	2/7/2008 1:12:00 AM
Isopropylbenzene	ND	1,000,000		µg/Kg	1000000	2/7/2008 1:12:00 AM
m,p-Xylene	36,000,000	2,000,000		µg/Kg	1000000	2/7/2008 1:12:00 AM
Methyl ethyl ketone	2,900,000	5,000,000	J	µg/Kg	1000000	2/7/2008 1:12:00 AM
Methyl Iodide	ND	5,000,000		µg/Kg	1000000	2/7/2008 1:12:00 AM
Methyl isobutyl ketone	2,100,000	10,000,000	J	µg/Kg	1000000	2/7/2008 1:12:00 AM
Methyl tert-butyl ether	ND	5,000,000		µg/Kg	1000000	2/7/2008 1:12:00 AM
Naphthalene	ND	5,000,000		µg/Kg	1000000	2/7/2008 1:12:00 AM
n-Butylbenzene	ND	1,000,000		µg/Kg	1000000	2/7/2008 1:12:00 AM
n-Propylbenzene	640,000	1,000,000	J	µg/Kg	1000000	2/7/2008 1:12:00 AM
o-Xylene	8,100,000	1,000,000		µg/Kg	1000000	2/7/2008 1:12:00 AM
p-Isopropyltoluene	ND	1,000,000		µg/Kg	1000000	2/7/2008 1:12:00 AM
sec-Butylbenzene	ND	1,000,000		µg/Kg	1000000	2/7/2008 1:12:00 AM
Styrene	ND	1,000,000		µg/Kg	1000000	2/7/2008 1:12:00 AM
t-Butyl alcohol	ND	40,000,000		µg/Kg	1000000	2/7/2008 1:12:00 AM
tert-Amyl Methyl Ether	ND	4,000,000		µg/Kg	1000000	2/7/2008 1:12:00 AM

Qualifiers:

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Analytical Report

(consolidated)

WO#: **0802023**

Date Reported: **2/12/2008**

CLIENT: PSC Environmental Services **Collection Date:** 1/31/2008

Project: Chemfuel

Lab ID: 0802023-001 **Matrix:** SOLVENT

Client Sample ID Chemfuel Comp

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS				**SW8260B**		Analyst: **MT3**
tert-Butyl Ethyl Ether	ND	5,000,000		µg/Kg	1000000	2/7/2008 1:12:00 AM
tert-Butylbenzene	ND	1,000,000		µg/Kg	1000000	2/7/2008 1:12:00 AM
Tetrachloroethene	ND	1,000,000		µg/Kg	1000000	2/7/2008 1:12:00 AM
Toluene	29,000,000	1,000,000		µg/Kg	1000000	2/7/2008 1:12:00 AM
trans-1,2-Dichloroethene	ND	1,000,000		µg/Kg	1000000	2/7/2008 1:12:00 AM
trans-1,3-Dichloropropene	ND	1,000,000		µg/Kg	1000000	2/7/2008 1:12:00 AM
trans-1,4-Dichloro-2-butene	ND	1,000,000		µg/Kg	1000000	2/7/2008 1:12:00 AM
Trichloroethene	ND	1,000,000		µg/Kg	1000000	2/7/2008 1:12:00 AM
Trichlorofluoromethane	ND	1,000,000		µg/Kg	1000000	2/7/2008 1:12:00 AM
Vinyl chloride	ND	800,000		µg/Kg	1000000	2/7/2008 1:12:00 AM
Xylenes, Total	44,000,000	3,000,000		µg/Kg	1000000	2/7/2008 1:12:00 AM
Surr: 4-Bromofluorobenzene	101	90-115		%REC	1000000	2/7/2008 1:12:00 AM
Surr: Dibromofluoromethane	99.0	88.4-108		%REC	1000000	2/7/2008 1:12:00 AM
Surr: Toluene-d8	99.1	90-112		%REC	1000000	2/7/2008 1:12:00 AM

Qualifiers:

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J	Analyte detected below quantitation limits	M	Manual Integration used to determine area response
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CLIENT: PSC Environmental Services
Work Order: 0802023
Project: Chemfuel

QC SUMMARY REPORT

TestCode: EPA-24

Sample ID: **0802023-001ADUP**	SampType: **DUP**	TestCode: **EPA-24**	Units: **lbs/gal**	Prep Date: **2/5/2008**	RunNo: **18883**
Client ID: **Chemfuel Comp**	Batch ID: **R18883**	TestNo: **EPA24**		Analysis Date: **2/6/2008**	SeqNo: **303386**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Density, 24°C	7.81	0						7.788	0.247	0	
NVR	26.4	0						26.69	1.26	0	
VOC Content (less water)	5.08	0						4.964	2.39	0	
Water	22.0	0						23.84	7.89	0	

Sample ID: **0802056-001ADUP**	SampType: **DUP**	TestCode: **EPA-24**	Units: **lbs/gal**	Prep Date: **2/5/2008**	RunNo: **18883**
Client ID: **ZZZZZZ**	Batch ID: **R18883**	TestNo: **EPA24**		Analysis Date: **2/6/2008**	SeqNo: **303388**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Density, 24°C	11.5	0						11.56	0.399	0	
NVR	70.3	0						70.94	0.917	0	
VOC Content (less water)	3.41	0						3.350	1.82	0	
Water	0.110	0						0.1100	0	0	

CLIENT: PSC Environmental Services
Work Order: 0802023
Project: Chemfuel

QC SUMMARY REPORT

TestCode: SW_6020S

Sample ID: **LCS-9832**	SampType: **LCS**	TestCode: **SW_6020S**	Units: **µg/Kg**	Prep Date: **2/4/2008**	RunNo: **18860**
Client ID: **LCSS**	Batch ID: **9832**	TestNo: **SW6020A**		Analysis Date: **2/5/2008**	SeqNo: **303382**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	1,000	300	1,000	0	104	80	120				
Silver	920	100	1,000	0	92.3	80	120				

Sample ID: **MB-9832**	SampType: **MBLK**	TestCode: **SW_6020S**	Units: **µg/Kg**	Prep Date: **2/4/2008**	RunNo: **18860**
Client ID: **PBS**	Batch ID: **9832**	TestNo: **SW6020A**		Analysis Date: **2/5/2008**	SeqNo: **303383**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	ND	30									
Silver	ND	10									

Sample ID: **0802023-001AMS**	SampType: **MS**	TestCode: **SW_6020S**	Units: **µg/Kg**	Prep Date: **2/4/2008**	RunNo: **18913**
Client ID: **Chemfuel Comp**	Batch ID: **9831**	TestNo: **SW6020A**		Analysis Date: **2/7/2008**	SeqNo: **304072**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aluminum	700,000	930	46,300	812,600	-254	75	125				S
Antimony	64,000	280	46,300	10,590	115	75	125				
Arsenic	53,000	93	46,300	1,515	112	75	125				
Barium	400,000	930	46,300	334,400	139	75	125				S
Beryllium	40,000	460	46,300	0	86.5	75	125				
Cadmium	47,000	190	46,300	1,412	99.4	75	125				
Calcium	1,100,000	46,000	463,000	473,700	130	75	125				S
Chromium	83,000	930	46,300	56,950	56.7	75	125				S
Cobalt	39,000	460	46,300	3,986	74.6	75	125				S
Copper	70,000	930	46,300	20,790	107	75	125				
Iron	1,100,000	19,000	509,300	814,300	57.3	75	125				S
Lead	79,000	930	46,300	28,560	109	75	125				
Magnesium	510,000	23,000	463,000	93,730	89.3	75	125				
Manganese	45,000	930	46,300	11,330	72.9	75	125				S
Nickel	42,000	930	46,300	7,583	74.5	75	125				S
Potassium	480,000	19,000	463,000	0	103	75	125				
Selenium	54,000	190	46,300	3,096	109	75	125				

Qualifiers:

E	Value above quantitation range	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation lir
M	Manual Integration used to determine area response	ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits
RL	Reporting Detection Limit	S	Spike Recovery outside accepted recovery limits		

CLIENT: PSC Environmental Services
Work Order: 0802023
Project: Chemfuel

QC SUMMARY REPORT

TestCode: SW_6020S

Sample ID: **0802023-001AMS**	SampType: **MS**	TestCode: **SW_6020S**	Units: **µg/Kg**	Prep Date: **2/4/2008**	RunNo: **18913**
Client ID: **Chemfuel Comp**	Batch ID: **9831**	TestNo: **SW6020A**		Analysis Date: **2/7/2008**	SeqNo: **304072**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Silver	2,200	93	46,300	456.1	3.74	75	125				S
Sodium	3,400,000	28,000	463,000	3,373,000	-1.58	75	125				S
Thallium	46,000	460	46,300	411.5	97.8	75	125				
Vanadium	38,000	930	46,300	2,013	78.3	75	125				
Zinc	190,000	930	46,300	127,900	130	75	125				S

Sample ID: **LCS-9831**	SampType: **LCS**	TestCode: **SW_6020S**	Units: **µg/Kg**	Prep Date: **2/4/2008**	RunNo: **18913**
Client ID: **LCSS**	Batch ID: **9831**	TestNo: **SW6020A**		Analysis Date: **2/7/2008**	SeqNo: **304081**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aluminum	1,000	1,000	1,000	0	104	80	120				
Antimony	950	300	1,000	0	94.8	80	120				
Arsenic	980	100	1,000	0	97.9	80	120				
Barium	860	1,000	1,000	0	86.0	80	120				J
Beryllium	830	500	1,000	0	83.2	80	120				
Cadmium	840	200	1,000	0	83.8	80	120				
Calcium	ND	50,000	10,000	0	0	80	120				S
Chromium	910	1,000	1,000	0	90.5	80	120				J
Cobalt	920	500	1,000	0	91.5	80	120				
Copper	900	1,000	1,000	0	90.0	80	120				J
Iron	13,000	20,000	11,000	0	116	80	120				J
Lead	880	1,000	1,000	0	88.4	80	120				J
Magnesium	12,000	25,000	10,000	0	121	80	120				JS
Manganese	900	1,000	1,000	0	90.1	80	120				J
Nickel	910	1,000	1,000	0	91.5	80	120				J
Potassium	ND	20,000	10,000	0	0	80	120				S
Selenium	950	200	1,000	0	95.2	80	120				
Silver	890	100	1,000	0	88.8	80	120				
Sodium	ND	30,000	10,000	0	0	80	120				S
Thallium	860	500	1,000	0	86.3	80	120				
Vanadium	910	1,000	1,000	0	90.7	80	120				J

Qualifiers:

E	Value above quantitation range	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation lir
M	Manual Integration used to determine area response	ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits
RL	Reporting Detection Limit	S	Spike Recovery outside accepted recovery limits		

CLIENT: PSC Environmental Services
Work Order: 0802023
Project: Chemfuel

QC SUMMARY REPORT

TestCode: SW_6020S

Sample ID: **LCS-9831**	SampType: **LCS**	TestCode: **SW_6020S**	Units: **µg/Kg**	Prep Date: **2/4/2008**	RunNo: **18913**
Client ID: **LCSS**	Batch ID: **9831**	TestNo: **SW6020A**		Analysis Date: **2/7/2008**	SeqNo: **304081**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Zinc	840	1,000	1,000	0	83.9	80	120				J

Sample ID: **MB-9831**	SampType: **MBLK**	TestCode: **SW_6020S**	Units: **µg/Kg**	Prep Date: **2/4/2008**	RunNo: **18913**
Client ID: **PBS**	Batch ID: **9831**	TestNo: **SW6020A**		Analysis Date: **2/7/2008**	SeqNo: **304082**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aluminum	ND	100									
Antimony	ND	30									
Arsenic	ND	10									
Barium	ND	100									
Beryllium	ND	50									
Cadmium	ND	20									
Calcium	ND	5,000									
Chromium	ND	100									
Cobalt	ND	50									
Copper	ND	100									
Iron	ND	2,000									
Lead	ND	100									
Magnesium	ND	2,500									
Manganese	ND	100									
Nickel	ND	100									
Potassium	ND	2,000									
Selenium	ND	20									
Silver	ND	10									
Sodium	ND	3,000									
Thallium	ND	50									
Vanadium	ND	100									
Zinc	ND	100									

Qualifiers:

E	Value above quantitation range	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation lir
M	Manual Integration used to determine area response	ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits
RL	Reporting Detection Limit	S	Spike Recovery outside accepted recovery limits		

CLIENT: PSC Environmental Services
Work Order: 0802023
Project: Chemfuel

QC SUMMARY REPORT

TestCode: SW_6020S

Sample ID: **0802023-001AMSD** SampType: **MSD** TestCode: **SW_6020S** Units: **µg/Kg** Prep Date: **2/4/2008** RunNo: **18913**
Client ID: **Chemfuel Comp** Batch ID: **9831** TestNo: **SW6020A** Analysis Date: **2/7/2008** SeqNo: **304083**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aluminum	680,000	940	47,170	812,600	-291	75	125	695,200	2.87	25	S
Antimony	59,000	280	47,170	10,590	103	75	125	63,660	7.36	25	
Arsenic	51,000	94	47,170	1,515	105	75	125	53,330	4.83	25	
Barium	360,000	940	47,170	334,400	58.3	75	125	398,700	9.68	25	S
Beryllium	37,000	470	47,170	0	77.7	75	125	40,060	8.88	25	
Cadmium	44,000	190	47,170	1,412	89.9	75	125	47,420	7.84	25	
Calcium	1,000,000	47,000	471,700	473,700	117	75	125	1,077,000	4.82	25	
Chromium	80,000	940	47,170	56,950	48.5	75	125	83,180	4.10	25	S
Cobalt	37,000	470	47,170	3,986	69.5	75	125	38,530	4.73	25	S
Copper	67,000	940	47,170	20,790	97.7	75	125	70,440	5.21	25	
Iron	1,100,000	19,000	518,900	814,300	47.0	75	125	1,106,000	4.42	25	S
Lead	72,000	940	47,170	28,560	93.0	75	125	78,950	8.62	25	
Magnesium	490,000	24,000	471,700	93,730	84.4	75	125	507,400	3.16	25	
Manganese	43,000	940	47,170	11,330	66.3	75	125	45,090	5.65	25	S
Nickel	39,000	940	47,170	7,583	67.3	75	125	42,080	6.78	25	S
Potassium	480,000	19,000	471,700	0	102	75	125	478,100	0.137	25	
Selenium	51,000	190	47,170	3,096	102	75	125	53,510	3.99	25	
Silver	2,000	94	47,170	456.1	3.27	75	125	2,187	8.95	25	S
Sodium	3,200,000	28,000	471,700	3,373,000	-39.8	75	125	3,366,000	5.51	25	S
Thallium	42,000	470	47,170	411.5	88.2	75	125	45,690	8.39	25	
Vanadium	36,000	940	47,170	2,013	72.1	75	125	38,280	6.10	25	S
Zinc	170,000	940	47,170	127,900	98.4	75	125	188,200	7.66	25	

Qualifiers:

E	Value above quantitation range	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation lir
M	Manual Integration used to determine area response	ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits
RL	Reporting Detection Limit	S	Spike Recovery outside accepted recovery limits		

CLIENT: PSC Environmental Services
Work Order: 0802023
Project: Chemfuel

QC SUMMARY REPORT

TestCode: SW_7471S

Sample ID: **MB-9860**	SampType: **MBLK**	TestCode: **SW_7471S**	Units: **µg/Kg**	Prep Date: **2/6/2008**	RunNo: **18889**
Client ID: **PBS**	Batch ID: **9860**	TestNo: **SW7471A**		Analysis Date: **2/6/2008**	SeqNo: **303889**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	ND	24									

Sample ID: **LCS-9860**	SampType: **LCS**	TestCode: **SW_7471S**	Units: **µg/Kg**	Prep Date: **2/6/2008**	RunNo: **18889**
Client ID: **LCSS**	Batch ID: **9860**	TestNo: **SW7471A**		Analysis Date: **2/6/2008**	SeqNo: **303890**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	81	20	83.33	0	97.6	80	120				

Sample ID: **0802075-005BMS**	SampType: **MS**	TestCode: **SW_7471S**	Units: **µg/Kg-dry**	Prep Date: **2/6/2008**	RunNo: **18889**
Client ID: **ZZZZZZ**	Batch ID: **9860**	TestNo: **SW7471A**		Analysis Date: **2/6/2008**	SeqNo: **303892**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	120	27	112.6	0	108	75	125				

Sample ID: **0802075-005BMSD**	SampType: **MSD**	TestCode: **SW_7471S**	Units: **µg/Kg-dry**	Prep Date: **2/6/2008**	RunNo: **18889**
Client ID: **ZZZZZZ**	Batch ID: **9860**	TestNo: **SW7471A**		Analysis Date: **2/6/2008**	SeqNo: **303893**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	110	25	104.6	0	102	75	125	121.3	12.3	20	

Sample ID: **0802085-003BMS**	SampType: **MS**	TestCode: **SW_7471S**	Units: **µg/Kg**	Prep Date: **2/6/2008**	RunNo: **18889**
Client ID: **ZZZZZZ**	Batch ID: **9860**	TestNo: **SW7471A**		Analysis Date: **2/6/2008**	SeqNo: **303906**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	91	19	80.65	7.108	104	75	125				

Sample ID: **0802085-003BMSD**	SampType: **MSD**	TestCode: **SW_7471S**	Units: **µg/Kg**	Prep Date: **2/6/2008**	RunNo: **18889**
Client ID: **ZZZZZZ**	Batch ID: **9860**	TestNo: **SW7471A**		Analysis Date: **2/6/2008**	SeqNo: **303907**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Qualifiers:

E	Value above quantitation range	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation lir
M	Manual Integration used to determine area response	ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits
RL	Reporting Detection Limit	S	Spike Recovery outside accepted recovery limits		

CLIENT: PSC Environmental Services
Work Order: 0802023
Project: Chemfuel

QC SUMMARY REPORT

TestCode: SW_7471S

Sample ID: **0802085-003BMSD** SampType: **MSD** TestCode: **SW_7471S** Units: **µg/Kg** Prep Date: **2/6/2008** RunNo: **18889**
Client ID: **ZZZZZZ** Batch ID: **9860** TestNo: **SW7471A** Analysis Date: **2/6/2008** SeqNo: **303907**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	86	19	79.37	7.108	100	75	125	91.36	5.51	20	

Qualifiers:

E	Value above quantitation range	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation lir
M	Manual Integration used to determine area response	ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits
RL	Reporting Detection Limit	S	Spike Recovery outside accepted recovery limits		

CLIENT: PSC Environmental Services
Work Order: 0802023
Project: Chemfuel

QC SUMMARY REPORT

TestCode: SW_8015S

Sample ID: **lcsd-soil**	SampType: **lcsd**	TestCode: **sw_8015s**	Units: **mg/Kg**	Prep Date:	RunNo: **18934**
Client ID: **LCSS02**	Batch ID: **R18934**	TestNo: **SW8015B**		Analysis Date: **2/7/2008**	SeqNo: **304419**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Ethylene glycol	22	1.0	20.00	0	111	70	130	23.15	4.08	25	
Propylene glycol	19	1.0	20.00	0	96.4	70	130	19.90	3.15	25	

Sample ID: **lcs-soil**	SampType: **lcs**	TestCode: **sw_8015s**	Units: **mg/Kg**	Prep Date:	RunNo: **18934**
Client ID: **LCSS**	Batch ID: **R18934**	TestNo: **SW8015B**		Analysis Date: **2/7/2008**	SeqNo: **304420**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Ethylene glycol	23	1.0	20.00	0	116	70	130				
Propylene glycol	20	1.0	20.00	0	99.5	70	130				

Sample ID: **mb-soil**	SampType: **mblk**	TestCode: **sw_8015s**	Units: **mg/Kg**	Prep Date:	RunNo: **18934**
Client ID: **PBS**	Batch ID: **R18934**	TestNo: **SW8015B**		Analysis Date: **2/7/2008**	SeqNo: **304421**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Ethylene glycol	ND	1.0									
Propylene glycol	ND	1.0									

Sample ID: **lcs**	SampType: **lcs**	TestCode: **sw_8015s**	Units: **mg/Kg**	Prep Date:	RunNo: **18933**
Client ID: **LCSS**	Batch ID: **R18933**	TestNo: **SW8015B**		Analysis Date: **2/7/2008**	SeqNo: **304425**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1-Butanol	27	1.0	25.00	0	109	70	130				
1-Propanol	27	1.0	25.00	0	108	70	130				
2-Ethoxyethanol	23	1.0	25.00	0	93.8	70	130				
2-Methoxyethanol	23	1.0	25.00	0	92.4	70	130				
2-Methyl-1-propanol	27	1.0	25.00	0	109	70	130				
2-Propanol	27	1.0	25.00	0	110	70	130				
Cyclohexanone	28	1.0	25.00	0	111	70	130				
Ethanol	29	1.0	25.00	0	116	70	130				
Ethyl acetate	25	1.0	25.00	0	101	70	130				

Qualifiers:

E	Value above quantitation range	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation lir
M	Manual Integration used to determine area response	ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits
RL	Reporting Detection Limit	S	Spike Recovery outside accepted recovery limits		

CLIENT: PSC Environmental Services
Work Order: 0802023
Project: Chemfuel

QC SUMMARY REPORT

TestCode: SW_8015S

Sample ID: **lcs**	SampType: **lcs**	TestCode: **sw_8015s**	Units: **mg/Kg**	Prep Date:	RunNo: **18933**
Client ID: **LCSS**	Batch ID: **R18933**	TestNo: **SW8015B**		Analysis Date: **2/7/2008**	SeqNo: **304425**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Ethylene glycol	ND	1.0	0	0	0	70	130				
Methanol	30	1.0	25.00	0	118	70	130				
Propylene glycol	ND	1.0	0	0	0	70	130				

Sample ID: **lcsd**	SampType: **lcsd**	TestCode: **sw_8015s**	Units: **mg/Kg**	Prep Date:	RunNo: **18933**
Client ID: **LCSS02**	Batch ID: **R18933**	TestNo: **SW8015B**		Analysis Date: **2/7/2008**	SeqNo: **304426**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1-Butanol	22	1.0	25.00	0	88.6	70	130	27.37	21.1	25	
1-Propanol	22	1.0	25.00	0	89.1	70	130	26.99	19.2	25	
2-Ethoxyethanol	25	1.0	25.00	0	101	70	130	23.44	7.12	25	
2-Methoxyethanol	26	1.0	25.00	0	106	70	130	23.09	13.7	25	
2-Methyl-1-propanol	22	1.0	25.00	0	88.2	70	130	27.30	21.2	25	
2-Propanol	26	1.0	25.00	0	103	70	130	27.46	6.42	25	
Cyclohexanone	22	1.0	25.00	0	86.7	70	130	27.70	24.4	25	
Ethanol	23	1.0	25.00	0	91.2	70	130	28.89	23.6	25	
Ethyl acetate	22	1.0	25.00	0	89.8	70	130	25.17	11.4	25	
Ethylene glycol	ND	1.0	0	0	0	70	130	0	0	25	
Methanol	25	1.0	25.00	0	101	70	130	29.51	15.4	25	
Propylene glycol	ND	1.0	0	0	0	70	130	0	0	25	

Sample ID: **mblk**	SampType: **mblk**	TestCode: **sw_8015s**	Units: **mg/Kg**	Prep Date:	RunNo: **18933**
Client ID: **PBS**	Batch ID: **R18933**	TestNo: **SW8015B**		Analysis Date: **2/7/2008**	SeqNo: **304427**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1-Butanol	ND	1.0									
1-Propanol	ND	1.0									
2-Ethoxyethanol	ND	1.0									
2-Methoxyethanol	ND	1.0									
2-Methyl-1-propanol	ND	1.0									
2-Propanol	ND	1.0									

Qualifiers:

E	Value above quantitation range	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation lir
M	Manual Integration used to determine area response	ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits
RL	Reporting Detection Limit	S	Spike Recovery outside accepted recovery limits		

CLIENT: PSC Environmental Services
Work Order: 0802023
Project: Chemfuel

QC SUMMARY REPORT

TestCode: SW_8015S

Sample ID: **mblk**	SampType: **mblk**	TestCode: **sw_8015s**	Units: **mg/Kg**	Prep Date:	RunNo: **18933**
Client ID: **PBS**	Batch ID: **R18933**	TestNo: **SW8015B**		Analysis Date: **2/7/2008**	SeqNo: **304427**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cyclohexanone	ND	1.0									
Ethanol	ND	1.0									
Ethyl acetate	ND	1.0									
Ethylene glycol	ND	1.0									
Methanol	ND	1.0									
Propylene glycol	ND	1.0									

Qualifiers:

E	Value above quantitation range	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation lir
M	Manual Integration used to determine area response	ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits
RL	Reporting Detection Limit	S	Spike Recovery outside accepted recovery limits		

CLIENT: PSC Environmental Services
Work Order: 0802023
Project: Chemfuel

QC SUMMARY REPORT

TestCode: SW_8260S

Sample ID: **10ug/KG LCS10uLM** SampType: **LCS** TestCode: **SW_8260S** Units: **µg/Kg** Prep Date: RunNo: **18922**
Client ID: **LCSS** Batch ID: **R18922** TestNo: **SW8260B** Analysis Date: **2/6/2008** SeqNo: **304171**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	520	50	500.0	0	103	70	130				
1,1,1-Trichloroethane	500	50	500.0	0	99.7	70	130				
1,1,2,2-Tetrachloroethane	490	50	500.0	0	97.8	70	130				
1,1,2-Trichloro-1,2,2-trifluoroethane	490	50	500.0	0	97.8	70	130				
1,1,2-Trichloroethane	500	50	500.0	0	99.0	70	130				
1,1-Dichloroethane	440	50	500.0	0	88.0	70	130				
1,1-Dichloroethene	490	50	500.0	0	98.3	70	130				
1,1-Dichloropropene	500	50	500.0	0	100	70	130				
1,2,3-Trichlorobenzene	510	50	500.0	0	102	70	130				
1,2,3-Trichloropropane	430	50	500.0	0	86.2	70	130				
1,2,3-Trimethylbenzene	470	50	500.0	0	93.2	70	130				
1,2,4-Trichlorobenzene	530	250	500.0	0	106	70	130				
1,2,4-Trimethylbenzene	490	50	500.0	0	98.6	70	130				
1,2-Dibromo-3-chloropropane	380	250	500.0	0	76.3	70	130				
1,2-Dichlorobenzene	510	50	500.0	0	101	70	130				
1,2-Dichloroethane	510	50	500.0	0	101	70	130				
1,2-Dichloropropane	500	50	500.0	0	101	70	130				
1,3,5-Trimethylbenzene	490	50	500.0	0	97.5	70	130				
1,3-Dichlorobenzene	490	50	500.0	0	97.5	70	130				
1,3-Dichloropropane	500	50	500.0	0	99.7	70	130				
1,4-Dichlorobenzene	510	50	500.0	0	102	70	130				
2,2-Dichloropropane	540	50	500.0	0	108	70	130				
2-Chloroethyl vinyl ether	590	500	500.0	0	118	70	130				
2-Chlorotoluene	490	50	500.0	0	98.2	70	130				
2-Hexanone	450	2,500	500.0	0	90.4	70	130				J
2-Methylnaphthalene	510	250	500.0	0	101	70	130				
2-Nitropropane	380	200	500.0	0	76.5	70	130				
4-Chlorotoluene	490	50	500.0	0	97.6	70	130				
Acetone	580	2,500	500.0	0	116	70	130				J
Acrylonitrile	420	250	500.0	0	84.2	70	130				
Benzene	500	30	500.0	0	99.8	70	130				

Qualifiers:
E Value above quantitation range
H Holding times for preparation or analysis exceeded
J Analyte detected below quantitation lir
M Manual Integration used to determine area response
ND Not Detected at the Reporting Limit
R RPD outside accepted recovery limits
RL Reporting Detection Limit
S Spike Recovery outside accepted recovery limits

CLIENT: PSC Environmental Services
Work Order: 0802023
Project: Chemfuel

QC SUMMARY REPORT

TestCode: SW_8260S

Sample ID: **10ug/KG LCS10uLM** SampType: **LCS** TestCode: **SW_8260S** Units: **µg/Kg** Prep Date: RunNo: **18922**
Client ID: **LCSS** Batch ID: **R18922** TestNo: **SW8260B** Analysis Date: **2/6/2008** SeqNo: **304171**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Bromobenzene	500	50	500.0	0	99.5	70	130				
Bromochloromethane	530	50	500.0	0	105	70	130				
Bromodichloromethane	480	50	500.0	0	95.7	70	130				
Bromoform	460	50	500.0	0	91.9	70	130				
Bromomethane	540	250	500.0	0	108	70	130				
Carbon disulfide	510	250	500.0	0	101	70	130				
Carbon tetrachloride	480	50	500.0	0	96.8	70	130				
Chlorobenzene	510	50	500.0	0	101	70	130				
Chloroethane	600	250	500.0	0	120	70	130				
Chloroform	510	50	500.0	0	102	70	130				
Chloromethane	460	50	500.0	0	91.7	70	130				
cis-1,2-Dichloroethene	490	50	500.0	0	97.6	70	130				
cis-1,3-Dichloropropene	500	50	500.0	0	101	70	130				
Dibromochloromethane	480	50	500.0	0	95.7	70	130				
Dibromomethane	500	50	500.0	0	100	70	130				
Dichlorodifluoromethane	420	50	500.0	0	83.0	70	130				
Dichloromethane	520	250	500.0	0	104	70	130				
Diethyl ether	510	250	500.0	0	102	70	130				
Ethyl methacrylate	460	50	500.0	0	92.0	70	130				
Ethylbenzene	510	50	500.0	0	102	70	130				
Ethylene dibromide	480	50	500.0	0	96.8	70	130				
Hexachlorobutadiene	570	250	500.0	0	114	70	130				
Hexachloroethane	450	50	500.0	0	90.3	70	130				
Isopropyl ether	450	250	500.0	0	90.8	70	130				
Isopropylbenzene	520	50	500.0	0	103	70	130				
m,p-Xylene	990	100	1,000	0	98.8	70	130				
Methyl ethyl ketone	580	250	500.0	0	115	70	130				
Methyl Iodide	460	250	500.0	0	91.1	70	130				
Methyl isobutyl ketone	440	500	500.0	0	88.0	70	130				J
Methyl tert-butyl ether	970	250	1,000	0	97.1	70	130				
Naphthalene	450	250	500.0	0	89.4	70	130				

Qualifiers:
E Value above quantitation range
H Holding times for preparation or analysis exceeded
J Analyte detected below quantitation lir
M Manual Integration used to determine area response
ND Not Detected at the Reporting Limit
R RPD outside accepted recovery limits
RL Reporting Detection Limit
S Spike Recovery outside accepted recovery limits

CLIENT: PSC Environmental Services
Work Order: 0802023
Project: Chemfuel

QC SUMMARY REPORT

TestCode: SW_8260S

Sample ID: **10ug/KG LCS10uLM** SampType: **LCS** TestCode: **SW_8260S** Units: **µg/Kg** Prep Date: RunNo: **18922**
Client ID: **LCSS** Batch ID: **R18922** TestNo: **SW8260B** Analysis Date: **2/6/2008** SeqNo: **304171**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
n-Butylbenzene	500	50	500.0	0	100	70	130				
n-Propylbenzene	510	50	500.0	0	101	70	130				
o-Xylene	480	50	500.0	0	95.9	70	130				
p-Isopropyltoluene	500	50	500.0	0	101	70	130				
sec-Butylbenzene	500	50	500.0	0	100	70	130				
Styrene	500	50	500.0	0	100	70	130				
t-Butyl alcohol	3,200	2,000	2,500	0	127	70	130				
tert-Amyl Methyl Ether	500	200	500.0	0	100	70	130				
tert-Butyl Ethyl Ether	520	250	500.0	0	103	70	130				
tert-Butylbenzene	490	50	500.0	0	97.3	70	130				
Tetrachloroethene	490	50	500.0	0	97.4	70	130				
Toluene	500	50	500.0	0	99.8	70	130				
trans-1,2-Dichloroethene	520	50	500.0	0	104	70	130				
trans-1,3-Dichloropropene	490	50	500.0	0	98.0	70	130				
trans-1,4-Dichloro-2-butene	440	50	500.0	0	88.7	70	130				
Trichloroethene	500	50	500.0	0	99.8	70	130				
Trichlorofluoromethane	490	50	500.0	0	97.8	70	130				
Vinyl chloride	510	40	500.0	0	103	70	130				
Xylenes, Total	1,500	150	1,500	0	97.8	70	130				
Surr: 4-Bromofluorobenzene	2,500		2,500		101	90	115				
Surr: Dibromofluoromethane	2,500		2,500		102	88.4	108				
Surr: Toluene-d8	2,500		2,500		98.5	90	112				

Sample ID: **MBLK 1mLMEOH(78** SampType: **MBLK** TestCode: **SW_8260S** Units: **µg/Kg** Prep Date: RunNo: **18922**
Client ID: **PBS** Batch ID: **R18922** TestNo: **SW8260B** Analysis Date: **2/6/2008** SeqNo: **304173**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	ND	50									
1,1,1-Trichloroethane	ND	50									
1,1,2,2-Tetrachloroethane	ND	50									
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	50									

Qualifiers:
E Value above quantitation range
H Holding times for preparation or analysis exceeded
J Analyte detected below quantitation lir
M Manual Integration used to determine area response
ND Not Detected at the Reporting Limit
R RPD outside accepted recovery limits
RL Reporting Detection Limit
S Spike Recovery outside accepted recovery limits

CLIENT: PSC Environmental Services
Work Order: 0802023
Project: Chemfuel

QC SUMMARY REPORT

TestCode: SW_8260S

Sample ID: **MBLK 1mLMEOH(78** SampType: **MBLK** TestCode: **SW_8260S** Units: **µg/Kg** Prep Date: RunNo: **18922**
Client ID: **PBS** Batch ID: **R18922** TestNo: **SW8260B** Analysis Date: **2/6/2008** SeqNo: **304173**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,2-Trichloroethane	ND	50									
1,1-Dichloroethane	ND	50									
1,1-Dichloroethene	ND	50									
1,1-Dichloropropene	ND	50									
1,2,3-Trichlorobenzene	ND	50									
1,2,3-Trichloropropane	ND	50									
1,2,3-Trimethylbenzene	ND	50									
1,2,4-Trichlorobenzene	ND	250									
1,2,4-Trimethylbenzene	ND	50									
1,2-Dibromo-3-chloropropane	ND	250									
1,2-Dichlorobenzene	ND	50									
1,2-Dichloroethane	ND	50									
1,2-Dichloropropane	ND	50									
1,3,5-Trimethylbenzene	ND	50									
1,3-Dichlorobenzene	ND	50									
1,3-Dichloropropane	ND	50									
1,4-Dichlorobenzene	ND	50									
2,2-Dichloropropane	ND	50									
2-Chloroethyl vinyl ether	ND	500									
2-Chlorotoluene	ND	50									
2-Hexanone	ND	2,500									
2-Methylnaphthalene	ND	250									
2-Nitropropane	ND	200									
4-Chlorotoluene	ND	50									
Acetone	ND	2,500									
Acrylonitrile	ND	250									
Benzene	ND	30									
Bromobenzene	ND	50									
Bromochloromethane	ND	50									
Bromodichloromethane	ND	50									
Bromoform	ND	50									

Qualifiers:
E Value above quantitation range
H Holding times for preparation or analysis exceeded
J Analyte detected below quantitation lir
M Manual Integration used to determine area response
ND Not Detected at the Reporting Limit
R RPD outside accepted recovery limits
RL Reporting Detection Limit
S Spike Recovery outside accepted recovery limits

CLIENT: PSC Environmental Services
Work Order: 0802023
Project: Chemfuel

QC SUMMARY REPORT

TestCode: SW_8260S

Sample ID: **MBLK 1mLMEOH(78** SampType: **MBLK** TestCode: **SW_8260S** Units: **µg/Kg** Prep Date: RunNo: **18922**
Client ID: **PBS** Batch ID: **R18922** TestNo: **SW8260B** Analysis Date: **2/6/2008** SeqNo: **304173**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Bromomethane	ND	250									
Carbon disulfide	ND	250									
Carbon tetrachloride	ND	50									
Chlorobenzene	ND	50									
Chloroethane	ND	250									
Chloroform	ND	50									
Chloromethane	ND	50									
cis-1,2-Dichloroethene	ND	50									
cis-1,3-Dichloropropene	ND	50									
Dibromochloromethane	ND	50									
Dibromomethane	ND	50									
Dichlorodifluoromethane	ND	50									
Dichloromethane	ND	250									
Diethyl ether	ND	250									
Ethyl methacrylate	ND	50									
Ethylbenzene	ND	50									
Ethylene dibromide	ND	50									
Hexachlorobutadiene	ND	250									
Hexachloroethane	ND	50									
Isopropyl ether	ND	250									
Isopropylbenzene	ND	50									
m,p-Xylene	ND	100									
Methyl ethyl ketone	74	250									J
Methyl Iodide	28	250									J
Methyl isobutyl ketone	ND	500									
Methyl tert-butyl ether	ND	250									
Naphthalene	ND	250									
n-Butylbenzene	ND	50									
n-Propylbenzene	ND	50									
o-Xylene	ND	50									
p-Isopropyltoluene	ND	50									

Qualifiers:
E Value above quantitation range
H Holding times for preparation or analysis exceeded
J Analyte detected below quantitation lir
M Manual Integration used to determine area response
ND Not Detected at the Reporting Limit
R RPD outside accepted recovery limits
RL Reporting Detection Limit
S Spike Recovery outside accepted recovery limits

Sample ID: **MBLK 1mLMEOH(78** SampType: **MBLK** TestCode: **SW_8260S** Units: **µg/Kg** Prep Date: RunNo: **18922**
Client ID: **PBS** Batch ID: **R18922** TestNo: **SW8260B** Analysis Date: **2/6/2008** SeqNo: **304173**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
sec-Butylbenzene	ND	50									
Styrene	ND	50									
t-Butyl alcohol	ND	2,000									
tert-Amyl Methyl Ether	ND	200									
tert-Butyl Ethyl Ether	ND	250									
tert-Butylbenzene	ND	50									
Tetrachloroethene	ND	50									
Toluene	ND	50									
trans-1,2-Dichloroethene	ND	50									
trans-1,3-Dichloropropene	ND	50									
trans-1,4-Dichloro-2-butene	ND	50									
Trichloroethene	ND	50									
Trichlorofluoromethane	ND	50									
Vinyl chloride	ND	40									
Xylenes, Total	ND	150									
Surr: 4-Bromofluorobenzene	2,500		2,500		101	90	115				
Surr: Dibromofluoromethane	2,600		2,500		103	88.4	108				
Surr: Toluene-d8	2,500		2,500		100	90	112				

Sample ID: **0802060-010A MS** SampType: **MS** TestCode: **SW_8260S** Units: **µg/Kg-dry** Prep Date: RunNo: **18922**
Client ID: **ZZZZZZ** Batch ID: **R18922** TestNo: **SW8260B** Analysis Date: **2/6/2008** SeqNo: **304189**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	570	63	630.5	0	91.0	81.7	109				
1,1,1-Trichloroethane	540	63	630.5	0	85.0	73.7	114				
1,1,2,2-Tetrachloroethane	560	63	630.5	0	88.1	72.6	139				
1,1,2-Trichloro-1,2,2-trifluoroethane	510	63	630.5	0	80.3	62.1	118				
1,1,2-Trichloroethane	560	63	630.5	0	89.2	68.8	130				
1,1-Dichloroethane	470	63	630.5	0	75.2	79.3	111				S
1,1-Dichloroethene	530	63	630.5	0	83.9	67.3	116				
1,1-Dichloropropene	540	63	630.5	0	85.8	32	140				

CLIENT: PSC Environmental Services
Work Order: 0802023
Project: Chemfuel

QC SUMMARY REPORT

TestCode: SW_8260S

Sample ID: **0802060-010A MS** SampType: **MS** TestCode: **SW_8260S** Units: **µg/Kg-dry** Prep Date: RunNo: **18922**
Client ID: **ZZZZZZ** Batch ID: **R18922** TestNo: **SW8260B** Analysis Date: **2/6/2008** SeqNo: **304189**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,3-Trichlorobenzene	550	63	630.5	0	87.3	87.3	130				
1,2,3-Trichloropropane	470	63	630.5	0	74.9	68.8	112				
1,2,3-Trimethylbenzene	540	63	630.5	0	86.4	51.6	132				
1,2,4-Trichlorobenzene	550	320	630.5	0	88.0	87.8	130				
1,2,4-Trimethylbenzene	560	63	630.5	0	89.5	76.2	131				
1,2-Dibromo-3-chloropropane	430	320	630.5	0	67.5	45.6	162				
1,2-Dichlorobenzene	570	63	630.5	0	90.1	85.9	113				
1,2-Dichloroethane	560	63	630.5	0	89.1	85.8	116				
1,2-Dichloropropane	600	63	630.5	0	95.9	83.6	110				
1,3,5-Trimethylbenzene	560	63	630.5	0	88.8	44.6	174				
1,3-Dichlorobenzene	570	63	630.5	0	90.5	84.7	119				
1,3-Dichloropropane	570	63	630.5	0	90.0	86.2	113				
1,4-Dichlorobenzene	570	63	630.5	0	89.9	85.2	111				
2,2-Dichloropropane	500	63	630.5	0	78.8	40	108				
2-Chloroethyl vinyl ether	720	630	630.5	0	114	82	114				S
2-Chlorotoluene	570	63	630.5	0	90.6	75.7	126				
2-Hexanone	490	3,200	630.5	0	77.7	51.3	170				J
2-Methylnaphthalene	410	320	630.5	0	65.0	75.2	127				S
2-Nitropropane	430	250	630.5	0	68.1	70	130				S
4-Chlorotoluene	570	63	630.5	0	90.3	79.6	130				
Acetone	470	3,200	630.5	0	74.2	77.5	159				JS
Acrylonitrile	440	320	630.5	0	70.1	64.8	137				
Benzene	530	38	630.5	0	84.5	52.5	136				
Bromobenzene	590	63	630.5	0	93.3	84.7	114				
Bromochloromethane	580	63	630.5	0	92.5	83.1	118				
Bromodichloromethane	560	63	630.5	0	88.8	60.9	129				
Bromoform	520	63	630.5	0	82.6	77.4	111				
Bromomethane	720	320	630.5	0	114	63.1	189				
Carbon disulfide	540	320	630.5	0	85.1	65.3	113				
Carbon tetrachloride	520	63	630.5	0	83.1	69.7	116				
Chlorobenzene	570	63	630.5	0	90.9	80.9	120				

Qualifiers:
E Value above quantitation range
H Holding times for preparation or analysis exceeded
J Analyte detected below quantitation lir
M Manual Integration used to determine area response
ND Not Detected at the Reporting Limit
R RPD outside accepted recovery limits
RL Reporting Detection Limit
S Spike Recovery outside accepted recovery limits

CLIENT: PSC Environmental Services
Work Order: 0802023
Project: Chemfuel

QC SUMMARY REPORT

TestCode: SW_8260S

Sample ID: **0802060-010A MS** SampType: **MS** TestCode: **SW_8260S** Units: **µg/Kg-dry** Prep Date: RunNo: **18922**
Client ID: **ZZZZZZ** Batch ID: **R18922** TestNo: **SW8260B** Analysis Date: **2/6/2008** SeqNo: **304189**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chloroethane	900	320	630.5	0	142	79.8	154				
Chloroform	560	63	630.5	0	89.0	80.7	112				
Chloromethane	490	63	630.5	0	78.0	36.2	126				
cis-1,2-Dichloroethene	520	63	630.5	0	81.8	65.6	111				
cis-1,3-Dichloropropene	540	63	630.5	0	85.5	76.4	112				
Dibromochloromethane	550	63	630.5	0	87.7	81.3	110				
Dibromomethane	560	63	630.5	0	88.1	87.9	118				
Dichlorodifluoromethane	430	63	630.5	0	68.4	27.1	121				
Dichloromethane	550	320	630.5	38.46	81.9	65	121				
Diethyl ether	560	320	630.5	0	88.6	88.2	110				
Ethyl methacrylate	510	63	630.5	0	81.4	72.1	128				
Ethylbenzene	590	63	630.5	0	93.6	82.3	119				
Ethylene dibromide	550	63	630.5	0	87.2	89.2	115				S
Hexachlorobutadiene	550	320	630.5	0	87.8	69.8	144				
Hexachloroethane	470	63	630.5	0	74.8	27.8	139				
Isopropyl ether	480	320	630.5	0	76.7	76.7	117				
Isopropylbenzene	590	63	630.5	0	93.8	77.3	131				
m,p-Xylene	1,100	130	1,261	0	89.7	80.2	120				
Methyl ethyl ketone	520	320	630.5	0	82.6	61	126				
Methyl Iodide	420	320	630.5	0	66.2	70	130				S
Methyl isobutyl ketone	520	630	630.5	0	82.1	59	146				J
Methyl tert-butyl ether	1,100	320	1,261	0	85.9	81.2	116				
Naphthalene	490	320	630.5	0	77.9	86.9	133				S
n-Butylbenzene	540	63	630.5	0	85.9	67.8	125				
n-Propylbenzene	580	63	630.5	0	92.3	80.9	125				
o-Xylene	550	63	630.5	0	87.1	71.1	130				
p-Isopropyltoluene	560	63	630.5	0	88.6	50.1	163				
sec-Butylbenzene	550	63	630.5	0	87.7	71.3	139				
Styrene	560	63	630.5	0	89.5	87.8	123				
t-Butyl alcohol	3,000	2,500	3,152	0	93.7	70	130				
tert-Amyl Methyl Ether	530	250	630.5	0	84.4	78.9	111				

Qualifiers:
E Value above quantitation range
H Holding times for preparation or analysis exceeded
J Analyte detected below quantitation lir
M Manual Integration used to determine area response
ND Not Detected at the Reporting Limit
R RPD outside accepted recovery limits
RL Reporting Detection Limit
S Spike Recovery outside accepted recovery limits

CLIENT: PSC Environmental Services
Work Order: 0802023
Project: Chemfuel

QC SUMMARY REPORT

TestCode: SW_8260S

Sample ID: **0802060-010A MS** SampType: **MS** TestCode: **SW_8260S** Units: **µg/Kg-dry** Prep Date: RunNo: **18922**
Client ID: **ZZZZZZ** Batch ID: **R18922** TestNo: **SW8260B** Analysis Date: **2/6/2008** SeqNo: **304189**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
tert-Butyl Ethyl Ether	570	320	630.5	0	89.7	69.9	132				
tert-Butylbenzene	560	63	630.5	0	88.7	80.7	119				
Tetrachloroethene	560	63	630.5	0	88.6	42.7	186				
Toluene	570	63	630.5	0	90.5	81.9	119				
trans-1,2-Dichloroethene	560	63	630.5	0	89.1	75.7	115				
trans-1,3-Dichloropropene	560	63	630.5	0	88.4	75.7	111				
trans-1,4-Dichloro-2-butene	480	63	630.5	0	75.8	52.9	136				
Trichloroethene	560	63	630.5	0	88.3	78.2	120				
Trichlorofluoromethane	520	63	630.5	0	82.4	70	130				
Vinyl chloride	510	50	630.5	0	80.1	37.5	128				
Xylenes, Total	1,700	190	1,891	0	88.8	62.1	143				
Surr: 4-Bromofluorobenzene	3,200		3,152		101	95.9	130				
Surr: Dibromofluoromethane	3,100		3,152		97.0	90.4	111				
Surr: Toluene-d8	3,100		3,152		97.5	100	116				S

Sample ID: **0802060-010A MSD** SampType: **MSD** TestCode: **SW_8260S** Units: **µg/Kg-dry** Prep Date: RunNo: **18922**
Client ID: **ZZZZZZ** Batch ID: **R18922** TestNo: **SW8260B** Analysis Date: **2/6/2008** SeqNo: **304190**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	680	63	630.5	0	108	81.7	109	573.7	16.9	15.7	R
1,1,1-Trichloroethane	610	63	630.5	0	97.4	73.7	114	535.9	13.6	16.8	
1,1,2,2-Tetrachloroethane	630	63	630.5	0	99.2	72.6	139	555.4	11.9	16.7	
1,1,2-Trichloro-1,2,2-trifluoroethane	580	63	630.5	0	92.4	62.1	118	506.3	14.0	25.7	
1,1,2-Trichloroethane	610	63	630.5	0	97.2	68.8	130	562.4	8.58	15.9	
1,1-Dichloroethane	650	63	630.5	0	103	79.3	111	474.1	30.7	16.6	R
1,1-Dichloroethene	610	63	630.5	0	96.3	67.3	116	529.0	13.8	20	
1,1-Dichloropropene	610	63	630.5	0	97.5	32	140	540.9	12.8	18.5	
1,2,3-Trichlorobenzene	640	63	630.5	0	101	87.3	130	550.4	14.6	18.8	
1,2,3-Trichloropropane	550	63	630.5	0	87.8	68.8	112	472.2	15.9	19.4	
1,2,3-Trimethylbenzene	620	63	630.5	0	97.9	51.6	132	544.7	12.5	16.2	
1,2,4-Trichlorobenzene	660	320	630.5	0	105	87.8	130	554.8	18.0	23	

Qualifiers:
E Value above quantitation range
H Holding times for preparation or analysis exceeded
J Analyte detected below quantitation lir
M Manual Integration used to determine area response
ND Not Detected at the Reporting Limit
R RPD outside accepted recovery limits
RL Reporting Detection Limit
S Spike Recovery outside accepted recovery limits

CLIENT: PSC Environmental Services
Work Order: 0802023
Project: Chemfuel

QC SUMMARY REPORT

TestCode: SW_8260S

Sample ID: **0802060-010A MSD** SampType: **MSD** TestCode: **SW_8260S** Units: **µg/Kg-dry** Prep Date: RunNo: **18922**
Client ID: **ZZZZZZ** Batch ID: **R18922** TestNo: **SW8260B** Analysis Date: **2/6/2008** SeqNo: **304190**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trimethylbenzene	660	63	630.5	0	104	76.2	131	564.3	15.0	20.6	
1,2-Dibromo-3-chloropropane	510	320	630.5	0	80.2	45.6	162	425.6	17.2	48.7	
1,2-Dichlorobenzene	650	63	630.5	0	103	85.9	113	568.1	13.5	17.5	
1,2-Dichloroethane	650	63	630.5	0	103	85.8	116	561.7	14.5	13.9	R
1,2-Dichloropropane	660	63	630.5	0	105	83.6	110	604.6	9.06	18.1	
1,3,5-Trimethylbenzene	670	63	630.5	0	106	44.6	174	559.9	17.5	19.2	
1,3-Dichlorobenzene	670	63	630.5	0	107	84.7	119	570.6	16.7	22.5	
1,3-Dichloropropane	630	63	630.5	0	99.4	86.2	113	567.4	9.93	17.2	
1,4-Dichlorobenzene	670	63	630.5	0	107	85.2	111	566.8	16.9	16.2	R
2,2-Dichloropropane	570	63	630.5	0	90.9	40	108	496.8	14.3	16	
2-Chloroethyl vinyl ether	830	630	630.5	0	132	82	114	721.3	14.5	18.4	S
2-Chlorotoluene	650	63	630.5	0	104	75.7	126	571.2	13.3	17.2	
2-Hexanone	560	3,200	630.5	0	88.7	51.3	170	489.9	0	40	J
2-Methylnaphthalene	490	320	630.5	0	77.3	75.2	127	409.8	17.3	26.8	
2-Nitropropane	440	250	4,413	0	10.0	70	130	429.4	3.04	56.4	S
4-Chlorotoluene	660	63	630.5	0	104	79.6	130	569.3	14.5	35.6	
Acetone	590	3,200	630.5	0	93.8	77.5	159	467.8	0	40	J
Acrylonitrile	500	320	630.5	0	78.7	64.8	137	442.0	11.6	24.5	
Benzene	620	38	630.5	0	98.2	52.5	136	532.7	15.0	13.5	R
Bromobenzene	670	63	630.5	0	107	84.7	114	588.2	13.5	19.6	
Bromochloromethane	690	63	630.5	0	109	83.1	118	583.2	16.3	17	
Bromodichloromethane	620	63	630.5	0	97.9	60.9	129	559.9	9.75	18.3	
Bromoform	610	63	630.5	0	96.0	77.4	111	520.8	15.0	16.4	
Bromomethane	720	320	630.5	0	114	63.1	189	720.0	0.175	40.4	
Carbon disulfide	630	320	630.5	0	99.3	65.3	113	536.5	15.4	22	
Carbon tetrachloride	620	63	630.5	0	99.1	69.7	116	523.9	17.6	21	
Chlorobenzene	660	63	630.5	0	104	80.9	120	573.1	13.6	16	
Chloroethane	1,000	320	630.5	0	165	79.8	154	895.3	15.0	28.2	S
Chloroform	630	63	630.5	0	99.3	80.7	112	561.1	10.9	14.7	
Chloromethane	540	63	630.5	0	85.9	36.2	126	491.8	9.64	33.6	
cis-1,2-Dichloroethene	600	63	630.5	0	95.2	65.6	111	515.7	15.1	24.9	

Qualifiers:
E Value above quantitation range
H Holding times for preparation or analysis exceeded
J Analyte detected below quantitation lin
M Manual Integration used to determine area response
ND Not Detected at the Reporting Limit
R RPD outside accepted recovery limits
RL Reporting Detection Limit
S Spike Recovery outside accepted recovery limits

CLIENT: PSC Environmental Services
Work Order: 0802023
Project: Chemfuel

QC SUMMARY REPORT

TestCode: SW_8260S

Sample ID: **0802060-010A MSD** SampType: **MSD** TestCode: **SW_8260S** Units: **µg/Kg-dry** Prep Date: RunNo: **18922**
Client ID: **ZZZZZZ** Batch ID: **R18922** TestNo: **SW8260B** Analysis Date: **2/6/2008** SeqNo: **304190**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
cis-1,3-Dichloropropene	640	63	630.5	0	101	76.4	112	539.1	16.4	18.7	
Dibromochloromethane	620	63	630.5	0	97.7	81.3	110	552.9	10.8	19.4	
Dibromomethane	620	63	630.5	0	98.4	87.9	118	555.4	11.0	15.2	
Dichlorodifluoromethane	480	63	630.5	0	76.9	27.1	121	431.2	11.7	34.1	
Dichloromethane	610	320	630.5	38.46	90.1	65	121	554.8	8.90	31.8	
Diethyl ether	630	320	630.5	0	100	88.2	110	558.6	12.4	21.2	
Ethyl methacrylate	600	63	630.5	0	95.0	72.1	128	513.2	15.4	18.3	
Ethylbenzene	680	63	630.5	0	109	82.3	119	590.1	14.7	15.5	
Ethylene dibromide	640	63	630.5	0	102	89.2	115	549.8	15.4	17.6	
Hexachlorobutadiene	650	320	630.5	0	103	69.8	144	553.6	16.3	24	
Hexachloroethane	580	63	630.5	0	92.3	27.8	139	471.6	20.9	15.7	R
Isopropyl ether	600	320	630.5	0	95.0	76.7	117	483.6	21.3	15.4	R
Isopropylbenzene	690	63	630.5	0	110	77.3	131	591.4	15.4	15.9	
m,p-Xylene	1,300	130	1,261	0	106	80.2	120	1,130	16.4	17.3	
Methyl ethyl ketone	610	320	630.5	0	97.4	61	126	520.8	16.4	34	
Methyl Iodide	520	320	630.5	0	81.9	70	130	417.4	21.2	25	
Methyl isobutyl ketone	570	630	630.5	0	89.8	59	146	517.6	0	33.7	J
Methyl tert-butyl ether	1,200	320	1,261	0	96.0	81.2	116	1,083	11.1	17.5	
Naphthalene	550	320	630.5	0	87.5	86.9	133	491.1	11.6	17.1	
n-Butylbenzene	640	63	630.5	0	101	67.8	125	541.6	16.2	22.4	
n-Propylbenzene	680	63	630.5	0	108	80.9	125	581.9	15.6	16.5	
o-Xylene	640	63	630.5	0	101	71.1	130	549.1	15.2	16	
p-Isopropyltoluene	650	63	630.5	0	103	50.1	163	558.6	15.0	19.2	
sec-Butylbenzene	660	63	630.5	0	105	71.3	139	552.9	18.3	18.8	
Styrene	670	63	630.5	0	107	87.8	123	564.3	17.4	16	R
t-Butyl alcohol	3,800	2,500	3,152	0	121	70	130	2,954	25.3	17.1	R
tert-Amyl Methyl Ether	610	250	630.5	0	97.4	78.9	111	532.1	14.3	14.3	R
tert-Butyl Ethyl Ether	660	320	630.5	0	105	69.9	132	565.5	15.3	30.6	
tert-Butylbenzene	650	63	630.5	0	103	80.7	119	559.2	15.0	19.2	
Tetrachloroethene	650	63	630.5	0	103	42.7	186	558.6	15.4	41.2	
Toluene	650	63	630.5	0	103	81.9	119	570.6	12.7	16.2	

Qualifiers:
E Value above quantitation range
H Holding times for preparation or analysis exceeded
J Analyte detected below quantitation lin
M Manual Integration used to determine area response
ND Not Detected at the Reporting Limit
R RPD outside accepted recovery limits
RL Reporting Detection Limit
S Spike Recovery outside accepted recovery limits

CLIENT: PSC Environmental Services
Work Order: 0802023
Project: Chemfuel

QC SUMMARY REPORT

TestCode: SW_8260S

Sample ID: **0802060-010A MSD** SampType: **MSD** TestCode: **SW_8260S** Units: **µg/Kg-dry** Prep Date: RunNo: **18922**
Client ID: **ZZZZZZ** Batch ID: **R18922** TestNo: **SW8260B** Analysis Date: **2/6/2008** SeqNo: **304190**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
trans-1,2-Dichloroethene	630	63	630.5	0	99.4	75.7	115	561.7	10.9	17.1	
trans-1,3-Dichloropropene	620	63	630.5	0	97.9	75.7	111	557.3	10.2	19.3	
trans-1,4-Dichloro-2-butene	540	63	630.5	0	86.4	52.9	136	477.9	13.1	17	
Trichloroethene	650	63	630.5	0	103	78.2	120	556.7	14.9	19	
Trichlorofluoromethane	600	63	630.5	0	95.0	70	130	519.5	14.2	25	
Vinyl chloride	560	50	630.5	0	88.2	37.5	128	505.0	9.63	33.3	
Xylenes, Total	2,000	190	1,891	0	104	62.1	143	1,680	16.0	16.5	
Surr: 4-Bromofluorobenzene	3,200		3,152		101	95.9	130		0	25	
Surr: Dibromofluoromethane	3,100		3,152		99.2	90.4	111		0	25	
Surr: Toluene-d8	3,100		3,152		99.1	100	116		0	25	S

Sample ID: **10ug/KG LCS10uLM** SampType: **LCS** TestCode: **SW_8260S** Units: **µg/Kg** Prep Date: RunNo: **18922**
Client ID: **LCSS** Batch ID: **R18922** TestNo: **SW8260B** Analysis Date: **2/7/2008** SeqNo: **304197**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	550	50	500.0	0	110	70	130				
1,1,1-Trichloroethane	490	50	500.0	0	97.3	70	130				
1,1,2,2-Tetrachloroethane	510	50	500.0	0	101	70	130				
1,1,2-Trichloro-1,2,2-trifluoroethane	510	50	500.0	0	101	70	130				
1,1,2-Trichloroethane	540	50	500.0	0	109	70	130				
1,1-Dichloroethane	470	50	500.0	0	94.4	70	130				
1,1-Dichloroethene	520	50	500.0	0	103	70	130				
1,1-Dichloropropene	510	50	500.0	0	103	70	130				
1,2,3-Trichlorobenzene	550	50	500.0	0	110	70	130				
1,2,3-Trichloropropane	440	50	500.0	0	87.8	70	130				
1,2,3-Trimethylbenzene	510	50	500.0	0	103	70	130				
1,2,4-Trichlorobenzene	540	250	500.0	0	109	70	130				
1,2,4-Trimethylbenzene	540	50	500.0	0	109	70	130				
1,2-Dibromo-3-chloropropane	370	250	500.0	0	73.3	70	130				
1,2-Dichlorobenzene	540	50	500.0	0	107	70	130				
1,2-Dichloroethane	550	50	500.0	0	109	70	130				

Qualifiers:
E Value above quantitation range
H Holding times for preparation or analysis exceeded
J Analyte detected below quantitation lir
M Manual Integration used to determine area response
ND Not Detected at the Reporting Limit
R RPD outside accepted recovery limits
RL Reporting Detection Limit
S Spike Recovery outside accepted recovery limits

CLIENT: PSC Environmental Services
Work Order: 0802023
Project: Chemfuel

QC SUMMARY REPORT

TestCode: SW_8260S

Sample ID: **10ug/KG LCS10uLM** SampType: **LCS** TestCode: **SW_8260S** Units: **µg/Kg** Prep Date: RunNo: **18922**
Client ID: **LCSS** Batch ID: **R18922** TestNo: **SW8260B** Analysis Date: **2/7/2008** SeqNo: **304197**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2-Dichloropropane	540	50	500.0	0	109	70	130				
1,3,5-Trimethylbenzene	540	50	500.0	0	108	70	130				
1,3-Dichlorobenzene	550	50	500.0	0	111	70	130				
1,3-Dichloropropane	530	50	500.0	0	106	70	130				
1,4-Dichlorobenzene	550	50	500.0	0	109	70	130				
2,2-Dichloropropane	360	50	500.0	0	72.0	70	130				
2-Chloroethyl vinyl ether	640	500	500.0	0	127	70	130				
2-Chlorotoluene	540	50	500.0	0	108	70	130				
2-Hexanone	440	2,500	500.0	0	88.5	70	130				J
2-Methylnaphthalene	500	250	500.0	0	99.7	70	130				
2-Nitropropane	400	200	500.0	0	79.5	70	130				
4-Chlorotoluene	540	50	500.0	0	108	70	130				
Acetone	480	2,500	500.0	0	96.6	70	130				J
Acrylonitrile	470	250	500.0	0	93.6	70	130				
Benzene	500	30	500.0	0	101	70	130				
Bromobenzene	580	50	500.0	0	115	70	130				
Bromochloromethane	550	50	500.0	0	110	70	130				
Bromodichloromethane	520	50	500.0	0	104	70	130				
Bromoform	480	50	500.0	0	95.1	70	130				
Bromomethane	610	250	500.0	0	122	70	130				
Carbon disulfide	530	250	500.0	0	106	70	130				
Carbon tetrachloride	500	50	500.0	0	99.1	70	130				
Chlorobenzene	530	50	500.0	0	106	70	130				
Chloroethane	800	250	500.0	0	160	70	130				S
Chloroform	540	50	500.0	0	107	70	130				
Chloromethane	470	50	500.0	0	94.8	70	130				
cis-1,2-Dichloroethene	420	50	500.0	0	84.4	70	130				
cis-1,3-Dichloropropene	500	50	500.0	0	99.2	70	130				
Dibromochloromethane	540	50	500.0	0	107	70	130				
Dibromomethane	510	50	500.0	0	102	70	130				
Dichlorodifluoromethane	420	50	500.0	0	84.8	70	130				

Qualifiers:
E Value above quantitation range
H Holding times for preparation or analysis exceeded
J Analyte detected below quantitation lir
M Manual Integration used to determine area response
ND Not Detected at the Reporting Limit
R RPD outside accepted recovery limits
RL Reporting Detection Limit
S Spike Recovery outside accepted recovery limits

CLIENT: PSC Environmental Services
Work Order: 0802023
Project: Chemfuel

QC SUMMARY REPORT

TestCode: SW_8260S

Sample ID: **10ug/KG LCS10uLM** SampType: **LCS** TestCode: **SW_8260S** Units: **µg/Kg** Prep Date: RunNo: **18922**
Client ID: **LCSS** Batch ID: **R18922** TestNo: **SW8260B** Analysis Date: **2/7/2008** SeqNo: **304197**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dichloromethane	560	250	500.0	0	111	70	130				
Diethyl ether	540	250	500.0	0	108	70	130				
Ethyl methacrylate	470	50	500.0	0	94.2	70	130				
Ethylbenzene	550	50	500.0	0	110	70	130				
Ethylene dibromide	520	50	500.0	0	104	70	130				
Hexachlorobutadiene	610	250	500.0	0	123	70	130				
Hexachloroethane	450	50	500.0	0	90.6	70	130				
Isopropyl ether	480	250	500.0	0	95.8	70	130				
Isopropylbenzene	560	50	500.0	0	111	70	130				
m,p-Xylene	1,100	100	1,000	0	108	70	130				
Methyl ethyl ketone	450	250	500.0	0	90.2	70	130				
Methyl Iodide	480	250	500.0	0	96.4	70	130				
Methyl isobutyl ketone	460	500	500.0	0	92.7	70	130				J
Methyl tert-butyl ether	1,000	250	1,000	0	103	70	130				
Naphthalene	470	250	500.0	0	93.4	70	130				
n-Butylbenzene	530	50	500.0	0	106	70	130				
n-Propylbenzene	550	50	500.0	0	109	70	130				
o-Xylene	530	50	500.0	0	106	70	130				
p-Isopropyltoluene	540	50	500.0	0	107	70	130				
sec-Butylbenzene	550	50	500.0	0	110	70	130				
Styrene	540	50	500.0	0	109	70	130				
t-Butyl alcohol	3,200	2,000	2,500	0	130	70	130				
tert-Amyl Methyl Ether	520	200	500.0	0	103	70	130				
tert-Butyl Ethyl Ether	460	250	500.0	0	91.2	70	130				
tert-Butylbenzene	530	50	500.0	0	105	70	130				
Tetrachloroethene	590	50	500.0	0	118	70	130				
Toluene	530	50	500.0	0	106	70	130				
trans-1,2-Dichloroethene	530	50	500.0	0	106	70	130				
trans-1,3-Dichloropropene	500	50	500.0	0	99.0	70	130				
trans-1,4-Dichloro-2-butene	420	50	500.0	0	84.6	70	130				
Trichloroethene	510	50	500.0	0	102	70	130				

Qualifiers:
E Value above quantitation range
H Holding times for preparation or analysis exceeded
J Analyte detected below quantitation lir
M Manual Integration used to determine area response
ND Not Detected at the Reporting Limit
R RPD outside accepted recovery limits
RL Reporting Detection Limit
S Spike Recovery outside accepted recovery limits

CLIENT: PSC Environmental Services
Work Order: 0802023
Project: Chemfuel

QC SUMMARY REPORT

TestCode: SW_8260S

Sample ID: **10ug/KG LCS10uLM**	SampType: **LCS**	TestCode: **SW_8260S**	Units: **µg/Kg**	Prep Date:	RunNo: **18922**
Client ID: **LCSS**	Batch ID: **R18922**	TestNo: **SW8260B**		Analysis Date: **2/7/2008**	SeqNo: **304197**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Trichlorofluoromethane	500	50	500.0	0	99.1	70	130				
Vinyl chloride	500	40	500.0	0	99.7	70	130				
Xylenes, Total	1,600	150	1,500	0	107	70	130				
Surr: 4-Bromofluorobenzene	2,500		2,500		101	90	115				
Surr: Dibromofluoromethane	2,500		2,500		98.5	88.4	108				
Surr: Toluene-d8	2,500		2,500		98.7	90	112				

Sample ID: **MBLK 1mLMEOH(78**	SampType: **MBLK**	TestCode: **SW_8260S**	Units: **µg/Kg**	Prep Date:	RunNo: **18922**
Client ID: **PBS**	Batch ID: **R18922**	TestNo: **SW8260B**		Analysis Date: **2/7/2008**	SeqNo: **304199**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	ND	50									
1,1,1-Trichloroethane	ND	50									
1,1,2,2-Tetrachloroethane	ND	50									
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	50									
1,1,2-Trichloroethane	ND	50									
1,1-Dichloroethane	ND	50									
1,1-Dichloroethene	ND	50									
1,1-Dichloropropene	ND	50									
1,2,3-Trichlorobenzene	ND	50									
1,2,3-Trichloropropane	ND	50									
1,2,3-Trimethylbenzene	ND	50									
1,2,4-Trichlorobenzene	ND	250									
1,2,4-Trimethylbenzene	ND	50									
1,2-Dibromo-3-chloropropane	ND	250									
1,2-Dichlorobenzene	ND	50									
1,2-Dichloroethane	ND	50									
1,2-Dichloropropane	ND	50									
1,3,5-Trimethylbenzene	ND	50									
1,3-Dichlorobenzene	ND	50									
1,3-Dichloropropane	ND	50									

Qualifiers:

E	Value above quantitation range	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation lir
M	Manual Integration used to determine area response	ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits
RL	Reporting Detection Limit	S	Spike Recovery outside accepted recovery limits		

CLIENT: PSC Environmental Services
Work Order: 0802023
Project: Chemfuel

QC SUMMARY REPORT

TestCode: SW_8260S

Sample ID: **MBLK 1mLMEOH(78** SampType: **MBLK** TestCode: **SW_8260S** Units: **µg/Kg** Prep Date: RunNo: **18922**
Client ID: **PBS** Batch ID: **R18922** TestNo: **SW8260B** Analysis Date: **2/7/2008** SeqNo: **304199**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,4-Dichlorobenzene	ND	50									
2,2-Dichloropropane	ND	50									
2-Chloroethyl vinyl ether	ND	500									
2-Chlorotoluene	ND	50									
2-Hexanone	ND	2,500									
2-Methylnaphthalene	ND	250									
2-Nitropropane	ND	200									
4-Chlorotoluene	ND	50									
Acetone	ND	2,500									
Acrylonitrile	ND	250									
Benzene	ND	30									
Bromobenzene	ND	50									
Bromochloromethane	ND	50									
Bromodichloromethane	ND	50									
Bromoform	ND	50									
Bromomethane	ND	250									
Carbon disulfide	ND	250									
Carbon tetrachloride	ND	50									
Chlorobenzene	ND	50									
Chloroethane	ND	250									
Chloroform	ND	50									
Chloromethane	ND	50									
cis-1,2-Dichloroethene	ND	50									
cis-1,3-Dichloropropene	ND	50									
Dibromochloromethane	ND	50									
Dibromomethane	ND	50									
Dichlorodifluoromethane	ND	50									
Dichloromethane	ND	250									
Diethyl ether	ND	250									
Ethyl methacrylate	ND	50									
Ethylbenzene	ND	50									

Qualifiers:
E Value above quantitation range
H Holding times for preparation or analysis exceeded
J Analyte detected below quantitation lir
M Manual Integration used to determine area response
ND Not Detected at the Reporting Limit
R RPD outside accepted recovery limits
RL Reporting Detection Limit
S Spike Recovery outside accepted recovery limits

CLIENT: PSC Environmental Services
Work Order: 0802023
Project: Chemfuel

QC SUMMARY REPORT

TestCode: SW_8260S

Sample ID: **MBLK 1mLMEOH(78** SampType: **MBLK** TestCode: **SW_8260S** Units: **µg/Kg** Prep Date: RunNo: **18922**
Client ID: **PBS** Batch ID: **R18922** TestNo: **SW8260B** Analysis Date: **2/7/2008** SeqNo: **304199**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Ethylene dibromide	ND	50									
Hexachlorobutadiene	ND	250									
Hexachloroethane	ND	50									
Isopropyl ether	ND	250									
Isopropylbenzene	ND	50									
m,p-Xylene	ND	100									
Methyl ethyl ketone	ND	250									
Methyl Iodide	29	250									J
Methyl isobutyl ketone	ND	500									
Methyl tert-butyl ether	ND	250									
Naphthalene	ND	250									
n-Butylbenzene	ND	50									
n-Propylbenzene	ND	50									
o-Xylene	ND	50									
p-Isopropyltoluene	ND	50									
sec-Butylbenzene	ND	50									
Styrene	ND	50									
t-Butyl alcohol	ND	2,000									
tert-Amyl Methyl Ether	ND	200									
tert-Butyl Ethyl Ether	ND	250									
tert-Butylbenzene	ND	50									
Tetrachloroethene	ND	50									
Toluene	ND	50									
trans-1,2-Dichloroethene	ND	50									
trans-1,3-Dichloropropene	ND	50									
trans-1,4-Dichloro-2-butene	ND	50									
Trichloroethene	ND	50									
Trichlorofluoromethane	ND	50									
Vinyl chloride	ND	40									
Xylenes, Total	ND	150									
Surr: 4-Bromofluorobenzene	2,500		2,500		101	90	115				

Qualifiers:

E	Value above quantitation range	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation lir
M	Manual Integration used to determine area response	ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits
RL	Reporting Detection Limit	S	Spike Recovery outside accepted recovery limits		

Sample ID: **MBLK 1mLMEOH(78** SampType: **MBLK** TestCode: **SW_8260S** Units: **µg/Kg** Prep Date: RunNo: **18922**
Client ID: **PBS** Batch ID: **R18922** TestNo: **SW8260B** Analysis Date: **2/7/2008** SeqNo: **304199**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: Dibromofluoromethane	2,400		2,500		95.4	88.4	108				
Surr: Toluene-d8	2,500		2,500		98.6	90	112				

Sample ID: **0802070-014A MS** SampType: **MS** TestCode: **SW_8260S** Units: **µg/Kg-dry** Prep Date: RunNo: **18922**
Client ID: **ZZZZZZ** Batch ID: **R18922** TestNo: **SW8260B** Analysis Date: **2/7/2008** SeqNo: **304207**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	720	69	686.7	0	104	81.7	109				
1,1,1-Trichloroethane	660	69	686.7	0	96.5	73.7	114				
1,1,2,2-Tetrachloroethane	680	69	686.7	0	98.8	72.6	139				
1,1,2-Trichloro-1,2,2-trifluoroethane	690	69	686.7	0	101	62.1	118				
1,1,2-Trichloroethane	710	69	686.7	0	103	68.8	130				
1,1-Dichloroethane	620	69	686.7	0	90.6	79.3	111				
1,1-Dichloroethene	710	69	686.7	0	104	67.3	116				
1,1-Dichloropropene	670	69	686.7	0	97.6	32	140				
1,2,3-Trichlorobenzene	680	69	686.7	0	99.4	87.3	130				
1,2,3-Trichloropropane	570	69	686.7	0	83.7	68.8	112				
1,2,3-Trimethylbenzene	690	69	686.7	0	99.8	51.6	132				
1,2,4-Trichlorobenzene	680	340	686.7	0	98.4	87.8	130				
1,2,4-Trimethylbenzene	730	69	686.7	0	106	76.2	131				
1,2-Dibromo-3-chloropropane	550	340	686.7	0	79.8	45.6	162				
1,2-Dichlorobenzene	710	69	686.7	0	103	85.9	113				
1,2-Dichloroethane	760	69	686.7	0	111	85.8	116				
1,2-Dichloropropane	720	69	686.7	0	105	83.6	110				
1,3,5-Trimethylbenzene	720	69	686.7	0	104	44.6	174				
1,3-Dichlorobenzene	720	69	686.7	0	105	84.7	119				
1,3-Dichloropropane	680	69	686.7	0	99.2	86.2	113				
1,4-Dichlorobenzene	710	69	686.7	0	104	85.2	111				
2,2-Dichloropropane	470	69	686.7	0	68.6	40	108				
2-Chloroethyl vinyl ether	880	690	686.7	0	128	82	114				S
2-Chlorotoluene	710	69	686.7	0	103	75.7	126				

CLIENT: PSC Environmental Services
Work Order: 0802023
Project: Chemfuel

QC SUMMARY REPORT

TestCode: SW_8260S

Sample ID: **0802070-014A MS** SampType: **MS** TestCode: **SW_8260S** Units: **µg/Kg-dry** Prep Date: RunNo: **18922**
Client ID: **ZZZZZZ** Batch ID: **R18922** TestNo: **SW8260B** Analysis Date: **2/7/2008** SeqNo: **304207**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
2-Hexanone	620	3,400	686.7	0	89.9	51.3	170				J
2-Methylnaphthalene	510	340	686.7	0	74.0	75.2	127				S
2-Nitropropane	510	270	686.7	0	73.9	70	130				
4-Chlorotoluene	720	69	686.7	0	105	79.6	130				
Acetone	760	3,400	686.7	0	111	77.5	159				J
Acrylonitrile	640	340	686.7	0	93.7	64.8	137				
Benzene	700	41	686.7	0	102	52.5	136				
Bromobenzene	720	69	686.7	0	104	84.7	114				
Bromochloromethane	690	69	686.7	0	100	83.1	118				
Bromodichloromethane	680	69	686.7	0	99.3	60.9	129				
Bromoform	610	69	686.7	0	89.2	77.4	111				
Bromomethane	820	340	686.7	0	119	63.1	189				
Carbon disulfide	690	340	686.7	0	101	65.3	113				
Carbon tetrachloride	670	69	686.7	0	98.1	69.7	116				
Chlorobenzene	700	69	686.7	0	102	80.9	120				
Chloroethane	830	340	686.7	0	122	79.8	154				
Chloroform	690	69	686.7	0	100	80.7	112				
Chloromethane	630	69	686.7	0	92.3	36.2	126				
cis-1,2-Dichloroethene	570	69	686.7	0	82.8	65.6	111				
cis-1,3-Dichloropropene	640	69	686.7	0	93.7	76.4	112				
Dibromochloromethane	670	69	686.7	0	97.3	81.3	110				
Dibromomethane	700	69	686.7	0	102	87.9	118				
Dichlorodifluoromethane	530	69	686.7	0	77.9	27.1	121				
Dichloromethane	730	340	686.7	40.51	99.9	65	121				
Diethyl ether	710	340	686.7	0	103	88.2	110				
Ethyl methacrylate	620	69	686.7	0	90.2	72.1	128				
Ethylbenzene	770	69	686.7	40.51	106	82.3	119				
Ethylene dibromide	700	69	686.7	0	101	89.2	115				
Hexachlorobutadiene	670	340	686.7	0	98.1	69.8	144				
Hexachloroethane	560	69	686.7	0	82.2	27.8	139				
Isopropyl ether	650	340	686.7	0	94.5	76.7	117				

Qualifiers:
E Value above quantitation range
H Holding times for preparation or analysis exceeded
J Analyte detected below quantitation lir
M Manual Integration used to determine area response
ND Not Detected at the Reporting Limit
R RPD outside accepted recovery limits
RL Reporting Detection Limit
S Spike Recovery outside accepted recovery limits

CLIENT: PSC Environmental Services
Work Order: 0802023
Project: Chemfuel

QC SUMMARY REPORT

TestCode: SW_8260S

Sample ID: **0802070-014A MS** SampType: **MS** TestCode: **SW_8260S** Units: **µg/Kg-dry** Prep Date: RunNo: **18922**
Client ID: **ZZZZZZ** Batch ID: **R18922** TestNo: **SW8260B** Analysis Date: **2/7/2008** SeqNo: **304207**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Isopropylbenzene	730	69	686.7	0	107	77.3	131				
m,p-Xylene	1,600	140	1,373	182.0	103	80.2	120				
Methyl ethyl ketone	550	340	686.7	0	80.5	61	126				
Methyl Iodide	580	340	686.7	0	84.0	70	130				
Methyl isobutyl ketone	630	690	686.7	0	92.3	59	146				J
Methyl tert-butyl ether	1,400	340	1,373	0	103	81.2	116				
Naphthalene	610	340	686.7	0	89.5	86.9	133				
n-Butylbenzene	670	69	686.7	0	97.4	67.8	125				
n-Propylbenzene	720	69	686.7	0	105	80.9	125				
o-Xylene	810	69	686.7	120.2	100	71.1	130				
p-Isopropyltoluene	700	69	686.7	0	102	50.1	163				
sec-Butylbenzene	700	69	686.7	0	102	71.3	139				
Styrene	710	69	686.7	0	103	87.8	123				
t-Butyl alcohol	4,600	2,700	3,433	0	134	70	130				S
tert-Amyl Methyl Ether	690	270	686.7	0	100	78.9	111				
tert-Butyl Ethyl Ether	630	340	686.7	0	91.8	69.9	132				
tert-Butylbenzene	700	69	686.7	0	102	80.7	119				
Tetrachloroethene	800	69	686.7	0	116	42.7	186				
Toluene	760	69	686.7	58.37	103	81.9	119				
trans-1,2-Dichloroethene	720	69	686.7	0	105	75.7	115				
trans-1,3-Dichloropropene	640	69	686.7	0	93.6	75.7	111				
trans-1,4-Dichloro-2-butene	550	69	686.7	0	79.4	52.9	136				
Trichloroethene	690	69	686.7	0	101	78.2	120				
Trichlorofluoromethane	680	69	686.7	0	99.7	70	130				
Vinyl chloride	660	55	686.7	0	96.6	37.5	128				
Xylenes, Total	2,400	210	2,060	302.1	102	62.1	143				
Surr: 4-Bromofluorobenzene	3,500		3,433		103	95.9	130				
Surr: Dibromofluoromethane	3,300		3,433		96.3	90.4	111				
Surr: Toluene-d8	3,400		3,433		97.8	100	116				S

Qualifiers:
E Value above quantitation range
H Holding times for preparation or analysis exceeded
J Analyte detected below quantitation lir
M Manual Integration used to determine area response
ND Not Detected at the Reporting Limit
R RPD outside accepted recovery limits
RL Reporting Detection Limit
S Spike Recovery outside accepted recovery limits

CLIENT: PSC Environmental Services
Work Order: 0802023
Project: Chemfuel

QC SUMMARY REPORT

TestCode: SW_8260S

Sample ID: **0802070-014A MSD** SampType: **MSD** TestCode: **SW_8260S** Units: **µg/Kg-dry** Prep Date: RunNo: **18922**
Client ID: **ZZZZZZ** Batch ID: **R18922** TestNo: **SW8260B** Analysis Date: **2/7/2008** SeqNo: **304208**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	660	69	686.7	0	95.9	81.7	109	716.2	8.39	15.7	
1,1,1-Trichloroethane	630	69	686.7	0	92.1	73.7	114	662.6	4.67	16.8	
1,1,2,2-Tetrachloroethane	650	69	686.7	0	94.3	72.6	139	678.4	4.66	16.7	
1,1,2-Trichloro-1,2,2-trifluoroethane	660	69	686.7	0	95.9	62.1	118	694.2	5.28	25.7	
1,1,2-Trichloroethane	670	69	686.7	0	97.3	68.8	130	707.9	5.79	15.9	
1,1-Dichloroethane	620	69	686.7	0	91.0	79.3	111	622.1	0.441	16.6	
1,1-Dichloroethene	670	69	686.7	0	96.9	67.3	116	713.4	6.97	20	
1,1-Dichloropropene	630	69	686.7	0	91.5	32	140	670.2	6.45	18.5	
1,2,3-Trichlorobenzene	640	69	686.7	0	93.9	87.3	130	682.5	5.69	18.8	
1,2,3-Trichloropropane	530	69	686.7	0	77.5	68.8	112	574.7	7.69	19.4	
1,2,3-Trimethylbenzene	660	69	686.7	0	96.0	51.6	132	685.3	3.88	16.2	
1,2,4-Trichlorobenzene	640	340	686.7	0	92.9	87.8	130	675.7	5.75	23	
1,2,4-Trimethylbenzene	670	69	686.7	0	97.9	76.2	131	725.8	7.66	20.6	
1,2-Dibromo-3-chloropropane	500	340	686.7	0	73.1	45.6	162	548.0	8.76	48.7	
1,2-Dichlorobenzene	680	69	686.7	0	99.3	85.9	113	705.9	3.46	17.5	
1,2-Dichloroethane	710	69	686.7	0	104	85.8	116	762.9	6.70	13.9	
1,2-Dichloropropane	690	69	686.7	0	99.8	83.6	110	718.2	4.70	18.1	
1,3,5-Trimethylbenzene	660	69	686.7	0	96.8	44.6	174	716.9	7.55	19.2	
1,3-Dichlorobenzene	650	69	686.7	0	94.5	84.7	119	723.1	10.8	22.5	
1,3-Dichloropropane	660	69	686.7	0	96.3	86.2	113	681.2	2.97	17.2	
1,4-Dichlorobenzene	680	69	686.7	0	99.7	85.2	111	712.8	4.03	16.2	
2,2-Dichloropropane	500	69	686.7	0	72.1	40	108	471.1	4.98	16	
2-Chloroethyl vinyl ether	860	690	686.7	0	125	82	114	878.9	2.61	18.4	S
2-Chlorotoluene	650	69	686.7	0	94.2	75.7	126	707.9	9.02	17.2	
2-Hexanone	540	3,400	686.7	0	78.8	51.3	170	617.3	0	40	J
2-Methylnaphthalene	510	340	686.7	0	74.4	75.2	127	508.1	0.539	26.8	S
2-Nitropropane	510	270	4,807	0	10.7	70	130	507.4	0.943	56.4	S
4-Chlorotoluene	650	69	686.7	0	94.5	79.6	130	720.3	10.4	35.6	
Acetone	710	3,400	686.7	0	104	77.5	159	759.4	0	40	J
Acrylonitrile	540	340	686.7	0	78.6	64.8	137	643.4	17.5	24.5	
Benzene	610	41	686.7	0	89.3	52.5	136	702.5	13.6	13.5	R

Qualifiers:
E Value above quantitation range
H Holding times for preparation or analysis exceeded
J Analyte detected below quantitation lir
M Manual Integration used to determine area response
ND Not Detected at the Reporting Limit
R RPD outside accepted recovery limits
RL Reporting Detection Limit
S Spike Recovery outside accepted recovery limits

CLIENT: PSC Environmental Services
Work Order: 0802023
Project: Chemfuel

QC SUMMARY REPORT

TestCode: SW_8260S

Sample ID: **0802070-014A MSD** SampType: **MSD** TestCode: **SW_8260S** Units: **µg/Kg-dry** Prep Date: RunNo: **18922**
Client ID: **ZZZZZZ** Batch ID: **R18922** TestNo: **SW8260B** Analysis Date: **2/7/2008** SeqNo: **304208**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Bromobenzene	650	69	686.7	0	95.0	84.7	114	716.2	9.33	19.6	
Bromochloromethane	670	69	686.7	0	97.8	83.1	118	687.3	2.32	17	
Bromodichloromethane	660	69	686.7	0	95.4	60.9	129	681.9	4.01	18.3	
Bromoform	570	69	686.7	0	82.4	77.4	111	612.5	7.93	16.4	
Bromomethane	750	340	686.7	0	110	63.1	189	819.9	8.56	40.4	
Carbon disulfide	670	340	686.7	0	96.9	65.3	113	693.5	4.14	22	
Carbon tetrachloride	630	69	686.7	0	91.3	69.7	116	673.6	7.18	21	
Chlorobenzene	660	69	686.7	0	95.8	80.9	120	700.4	6.27	16	
Chloroethane	770	340	686.7	0	112	79.8	154	835.0	8.49	28.2	
Chloroform	640	69	686.7	0	93.5	80.7	112	688.0	6.92	14.7	
Chloromethane	570	69	686.7	0	83.0	36.2	126	633.8	10.6	33.6	
cis-1,2-Dichloroethene	580	69	686.7	0	84.5	65.6	111	568.6	2.03	24.9	
cis-1,3-Dichloropropene	620	69	686.7	0	89.8	76.4	112	643.4	4.25	18.7	
Dibromochloromethane	630	69	686.7	0	91.9	81.3	110	668.1	5.71	19.4	
Dibromomethane	670	69	686.7	0	96.9	87.9	118	699.0	4.93	15.2	
Dichlorodifluoromethane	520	69	686.7	0	75.3	27.1	121	534.9	3.39	34.1	
Dichloromethane	680	340	686.7	40.51	93.4	65	121	726.5	6.34	31.8	
Diethyl ether	680	340	686.7	0	99.6	88.2	110	709.3	3.65	21.2	
Ethyl methacrylate	610	69	686.7	0	88.4	72.1	128	619.4	2.02	18.3	
Ethylbenzene	720	69	686.7	40.51	98.6	82.3	119	767.0	6.66	15.5	
Ethylene dibromide	680	69	686.7	0	98.5	89.2	115	696.3	2.90	17.6	
Hexachlorobutadiene	680	340	686.7	0	98.7	69.8	144	673.6	0.610	24	
Hexachloroethane	580	69	686.7	0	83.8	27.8	139	564.4	1.93	15.7	
Isopropyl ether	600	340	686.7	0	88.0	76.7	117	648.9	7.12	15.4	
Isopropylbenzene	680	69	686.7	0	98.4	77.3	131	734.7	8.37	15.9	
m,p-Xylene	1,500	140	1,373	182.0	96.0	80.2	120	1,603	6.59	17.3	
Methyl ethyl ketone	560	340	686.7	0	80.9	61	126	552.8	0.496	34	
Methyl Iodide	580	340	686.7	0	84.0	70	130	576.8	0	25	
Methyl isobutyl ketone	590	690	686.7	0	86.2	59	146	633.8	0	33.7	J
Methyl tert-butyl ether	1,300	340	1,373	0	97.0	81.2	116	1,417	6.15	17.5	
Naphthalene	580	340	686.7	0	85.0	86.9	133	614.6	5.16	17.1	S

Qualifiers:
E Value above quantitation range
H Holding times for preparation or analysis exceeded
J Analyte detected below quantitation lin
M Manual Integration used to determine area response
ND Not Detected at the Reporting Limit
R RPD outside accepted recovery limits
RL Reporting Detection Limit
S Spike Recovery outside accepted recovery limits

CLIENT: PSC Environmental Services
Work Order: 0802023
Project: Chemfuel

QC SUMMARY REPORT

TestCode: SW_8260S

Sample ID: **0802070-014A MSD** SampType: **MSD** TestCode: **SW_8260S** Units: **µg/Kg-dry** Prep Date: RunNo: **18922**
Client ID: **ZZZZZZ** Batch ID: **R18922** TestNo: **SW8260B** Analysis Date: **2/7/2008** SeqNo: **304208**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
n-Butylbenzene	650	69	686.7	0	94.9	67.8	125	668.8	2.60	22.4	
n-Propylbenzene	680	69	686.7	0	99.1	80.9	125	721.7	5.88	16.5	
o-Xylene	760	69	686.7	120.2	92.5	71.1	130	809.6	6.93	16	
p-Isopropyltoluene	630	69	686.7	0	91.5	50.1	163	697.0	10.4	19.2	
sec-Butylbenzene	650	69	686.7	0	95.3	71.3	139	698.3	6.50	18.8	
Styrene	650	69	686.7	0	95.3	87.8	123	705.2	7.47	16	
t-Butyl alcohol	4,500	2,700	3,433	0	131	70	130	4,610	2.29	17.1	S
tert-Amyl Methyl Ether	610	270	686.7	0	88.9	78.9	111	688.0	12.0	14.3	
tert-Butyl Ethyl Ether	600	340	686.7	0	87.1	69.9	132	630.4	5.25	30.6	
tert-Butylbenzene	650	69	686.7	0	95.2	80.7	119	698.3	6.60	19.2	
Tetrachloroethene	730	69	686.7	0	107	42.7	186	799.3	8.70	41.2	
Toluene	740	69	686.7	58.37	99.4	81.9	119	762.9	2.92	16.2	
trans-1,2-Dichloroethene	710	69	686.7	0	104	75.7	115	718.2	0.575	17.1	
trans-1,3-Dichloropropene	640	69	686.7	0	93.9	75.7	111	642.7	0.320	19.3	
trans-1,4-Dichloro-2-butene	480	69	686.7	0	69.6	52.9	136	545.2	13.2	17	
Trichloroethene	650	69	686.7	0	94.2	78.2	120	691.5	6.67	19	
Trichlorofluoromethane	630	69	686.7	0	92.1	70	130	684.6	7.92	25	
Vinyl chloride	640	55	686.7	0	92.6	37.5	128	663.3	4.23	33.3	
Xylenes, Total	2,300	210	2,060	302.1	94.8	62.1	143	2,412	6.71	16.5	
Surr: 4-Bromofluorobenzene	3,400		3,433		100	95.9	130		0	25	
Surr: Dibromofluoromethane	3,400		3,433		98.8	90.4	111		0	25	
Surr: Toluene-d8	3,500		3,433		101	100	116		0	25	

Qualifiers:

E	Value above quantitation range	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation lir
M	Manual Integration used to determine area response	ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits
RL	Reporting Detection Limit	S	Spike Recovery outside accepted recovery limits		

CLIENT: PSC Environmental Services
Work Order: 0802023
Project: Chemfuel

QC SUMMARY REPORT

TestCode: SW_8315S

Sample ID: **0802023-001ams**	SampType: **ms**	TestCode: **sw_8315s**	Units: **µg/Kg**	Prep Date: **2/4/2008**	RunNo: **18935**
Client ID: **Chemfuel Comp**	Batch ID: **9833**	TestNo: **SW8315A**		Analysis Date: **2/7/2008**	SeqNo: **304411**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Formaldehyde	820,000	5,000	500,000	487,100	65.8	70	130				S

Sample ID: **0802023-001amsd**	SampType: **msd**	TestCode: **sw_8315s**	Units: **µg/Kg**	Prep Date: **2/4/2008**	RunNo: **18935**
Client ID: **Chemfuel Comp**	Batch ID: **9833**	TestNo: **SW8315A**		Analysis Date: **2/7/2008**	SeqNo: **304412**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Formaldehyde	850,000	5,000	500,000	487,100	72.0	70	130	816,000	3.75	25	

Sample ID: **lcs-9833**	SampType: **lcs**	TestCode: **sw_8315s**	Units: **µg/Kg**	Prep Date: **2/4/2008**	RunNo: **18935**
Client ID: **LCSW**	Batch ID: **9833**	TestNo: **SW8315A**		Analysis Date: **2/7/2008**	SeqNo: **304414**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Formaldehyde	19,000	200	20,000	0	96.5	85	115				

Sample ID: **mb-9833**	SampType: **mblk**	TestCode: **sw_8315s**	Units: **µg/Kg**	Prep Date: **2/4/2008**	RunNo: **18935**
Client ID: **PBW**	Batch ID: **9833**	TestNo: **SW8315A**		Analysis Date: **2/7/2008**	SeqNo: **304415**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Formaldehyde	ND	200									

Qualifiers:

E	Value above quantitation range	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation lir
M	Manual Integration used to determine area response	ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits
RL	Reporting Detection Limit	S	Spike Recovery outside accepted recovery limits		

RTI LABORATORIES, INC.

31628 Glendale St.
Livonia, Michigan 48150
TEL: 734.422.8000
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Website: www.rtilab.com

April 11, 2008

Jeffrey Davis
PSC Environmental Services
515 Lycaste St
Detroit, MI 48214-3473

TEL: (313) 824-5303
FAX: (313) 824-5865

RE: Chemfuel

Order No.: 0804091

Dear Jeffrey Davis:

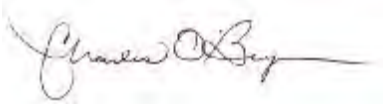
RTI Laboratories received 1 sample(s) on 4/2/2008 for the analyses presented in the following report.

There were no problems with the analytical events associated with this report unless noted in the Case Narrative. Analytical results designated with a "J" qualifier are estimated and represent a detection above the Method Detection Limit (MDL) and less than the Reporting Limit (PQL). These analytes are not reviewed nor narrated as to whether they are laboratory artifacts.

Quality control data is within laboratory defined or method specified acceptance limits except if noted.

If you have any questions regarding these tests results, please feel free to call.

Sincerely,



Charles O`Bryan
Director, Quality Management

RTI LABORATORIES, INC.

31628 Glendale St.
Livonia, Michigan 48150
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Case Narrative

WO#: **0804091**
Date: **4/11/2008**

CLIENT: PSC Environmental Services
Project: Chemfuel

This report in its entirety consists of the documents listed below. All documents contain the RTI Work Order Number assigned to this report.

1. Paginated Report including: Case Narrative, Analytical Results and Applicable Quality Control Summary Reports.

2. A Cover Letter that immediately precedes the Paginated Report.

3. Paginated copies of the Chain of Custody Documents supplied with this sample set.

Concentrations reported with a J flag in the Qual field are values below the reporting limit (RL) but greater than the established method detection limit (MDL). There is greater uncertainty associated with these results and data should be considered as estimated.

Concentrations reported with an E flag in the Qual field are values that exceed the upper quantification range. There is greater uncertainty associated with these results and data should be considered as estimated.

Any comments or problems with the analytical events associated with this report are noted below.

RTI LABORATORIES, INC.

31628 Glendale St.
Livonia, Michigan 48150
TEL: 734.422.8000
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Website: www.rtilab.com

Analytical Report

(consolidated)

WO#: **0804091**

Date Reported: **4/11/2008**

CLIENT: PSC Environmental Services **Collection Date:** 4/1/2008

Project: Chemfuel

Lab ID: 0804091-001 **Matrix:** SOLVENT

Client Sample ID Chemfuel Composite

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
NONHALOGENATED ORGANICS, GC/FID				**SW8015B**		Analyst: **MB**
1-Butanol	6,600	100		mg/Kg	10	4/10/2008 4:15:04 PM
1-Propanol	ND	100		mg/Kg	10	4/10/2008 4:15:04 PM
2-Ethoxyethanol	ND	100		mg/Kg	10	4/11/2008 2:10:01 AM
2-Methoxyethanol	140	100		mg/Kg	10	4/10/2008 4:15:04 PM
2-Methyl-1-propanol	580	100		mg/Kg	10	4/10/2008 4:15:04 PM
2-Propanol	96,000	1,000		mg/Kg	100	4/10/2008 3:37:31 PM
Cyclohexanone	160	100		mg/Kg	10	4/11/2008 2:10:01 AM
Ethanol	26,000	1,000		mg/Kg	100	4/10/2008 3:37:31 PM
Ethyl acetate	ND	100		mg/Kg	10	4/10/2008 4:15:04 PM
Ethylene glycol	120,000	100		mg/Kg	10	4/11/2008 2:10:01 AM
Methanol	75,000	1,000		mg/Kg	100	4/10/2008 3:37:31 PM
Propylene glycol	580	100		mg/Kg	10	4/11/2008 2:10:01 AM
ALDEHYDES AND KETONES				**SW8315A**		Analyst: **MB**
Formaldehyde	610,000	10,000		µg/Kg	1	4/11/2008 12:41:39 PM
EPA METHOD 24 VOC CONTENT				**EPA24**		Analyst: **MW**
Density, 24°C	8.05	0		lbs/gal	1	4/8/2008
NVR	26.1	0		%	1	4/8/2008
VOC Content (less water)	5.72	0		lbs/gal	1	4/8/2008
Water	8.91	0		%	1	4/8/2008
MERCURY				**SW7471A**		Analyst: **AB2**
Mercury	25	23		µg/Kg	1	4/8/2008 2:33:23 PM
VOLATILE ORGANIC COMPOUNDS				**SW8260B**		Analyst: **MT3**
1,1,1,2-Tetrachloroethane	ND	2,000,000		µg/Kg	2000000	4/9/2008 11:46:00 AM
1,1,1-Trichloroethane	ND	2,000,000		µg/Kg	2000000	4/9/2008 11:46:00 AM
1,1,2,2-Tetrachloroethane	ND	2,000,000		µg/Kg	2000000	4/9/2008 11:46:00 AM
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	2,000,000		µg/Kg	2000000	4/9/2008 11:46:00 AM

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	M	Manual Integration used to determine area response
ND	Not Detected at the Reporting Limit	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits		

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Analytical Report

(consolidated)

WO#: **0804091**

Date Reported: **4/11/2008**

CLIENT: PSC Environmental Services **Collection Date:** 4/1/2008

Project: Chemfuel

Lab ID: 0804091-001 **Matrix:** SOLVENT

Client Sample ID Chemfuel Composite

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS				**SW8260B**		Analyst: **MT3**
1,1,2-Trichloroethane	ND	2,000,000		µg/Kg	2000000	4/9/2008 11:46:00 AM
1,1-Dichloroethane	ND	2,000,000		µg/Kg	2000000	4/9/2008 11:46:00 AM
1,1-Dichloroethene	ND	2,000,000		µg/Kg	2000000	4/9/2008 11:46:00 AM
1,1-Dichloropropene	ND	2,000,000		µg/Kg	2000000	4/9/2008 11:46:00 AM
1,2,3-Trichlorobenzene	ND	2,000,000		µg/Kg	2000000	4/9/2008 11:46:00 AM
1,2,3-Trichloropropane	ND	2,000,000		µg/Kg	2000000	4/9/2008 11:46:00 AM
1,2,3-Trimethylbenzene	ND	2,000,000		µg/Kg	2000000	4/9/2008 11:46:00 AM
1,2,4-Trichlorobenzene	ND	10,000,000		µg/Kg	2000000	4/9/2008 11:46:00 AM
1,2,4-Trimethylbenzene	3,700,000	2,000,000		µg/Kg	2000000	4/9/2008 11:46:00 AM
1,2-Dibromo-3-chloropropane	ND	10,000,000		µg/Kg	2000000	4/9/2008 11:46:00 AM
1,2-Dichlorobenzene	ND	2,000,000		µg/Kg	2000000	4/9/2008 11:46:00 AM
1,2-Dichloroethane	ND	2,000,000		µg/Kg	2000000	4/9/2008 11:46:00 AM
1,2-Dichloropropane	ND	2,000,000		µg/Kg	2000000	4/9/2008 11:46:00 AM
1,3,5-Trimethylbenzene	1,200,000	2,000,000	J	µg/Kg	2000000	4/9/2008 11:46:00 AM
1,3-Dichlorobenzene	ND	2,000,000		µg/Kg	2000000	4/9/2008 11:46:00 AM
1,3-Dichloropropane	ND	2,000,000		µg/Kg	2000000	4/9/2008 11:46:00 AM
1,4-Dichlorobenzene	ND	2,000,000		µg/Kg	2000000	4/9/2008 11:46:00 AM
2,2-Dichloropropane	ND	2,000,000		µg/Kg	2000000	4/9/2008 11:46:00 AM
2-Chloroethyl vinyl ether	ND	20,000,000		µg/Kg	2000000	4/9/2008 11:46:00 AM
2-Chlorotoluene	ND	2,000,000		µg/Kg	2000000	4/9/2008 11:46:00 AM
2-Hexanone	ND	100,000,000		µg/Kg	2000000	4/9/2008 11:46:00 AM
2-Methylnaphthalene	ND	10,000,000		µg/Kg	2000000	4/9/2008 11:46:00 AM
2-Nitropropane	ND	8,000,000		µg/Kg	2000000	4/9/2008 11:46:00 AM
4-Chlorotoluene	ND	2,000,000		µg/Kg	2000000	4/9/2008 11:46:00 AM
Acetone	8,600,000	100,000,000	J	µg/Kg	2000000	4/9/2008 11:46:00 AM
Acrylonitrile	ND	10,000,000		µg/Kg	2000000	4/9/2008 11:46:00 AM
Benzene	ND	1,200,000		µg/Kg	2000000	4/9/2008 11:46:00 AM
Bromobenzene	ND	2,000,000		µg/Kg	2000000	4/9/2008 11:46:00 AM
Bromochloromethane	ND	2,000,000		µg/Kg	2000000	4/9/2008 11:46:00 AM
Bromodichloromethane	ND	2,000,000		µg/Kg	2000000	4/9/2008 11:46:00 AM
Bromoform	ND	2,000,000		µg/Kg	2000000	4/9/2008 11:46:00 AM
Bromomethane	ND	10,000,000		µg/Kg	2000000	4/9/2008 11:46:00 AM
Carbon disulfide	ND	10,000,000		µg/Kg	2000000	4/9/2008 11:46:00 AM
Carbon tetrachloride	ND	2,000,000		µg/Kg	2000000	4/9/2008 11:46:00 AM

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	M	Manual Integration used to determine area response
ND	Not Detected at the Reporting Limit	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits		

RTI LABORATORIES, INC.

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Analytical Report

(consolidated)

WO#: **0804091**

Date Reported: **4/11/2008**

CLIENT: PSC Environmental Services **Collection Date:** 4/1/2008

Project: Chemfuel

Lab ID: 0804091-001 **Matrix:** SOLVENT

Client Sample ID Chemfuel Composite

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS				**SW8260B**		Analyst: **MT3**
Chlorobenzene	ND	2,000,000		µg/Kg	2000000	4/9/2008 11:46:00 AM
Chloroethane	ND	10,000,000		µg/Kg	2000000	4/9/2008 11:46:00 AM
Chloroform	ND	2,000,000		µg/Kg	2000000	4/9/2008 11:46:00 AM
Chloromethane	ND	2,000,000		µg/Kg	2000000	4/9/2008 11:46:00 AM
cis-1,2-Dichloroethene	ND	2,000,000		µg/Kg	2000000	4/9/2008 11:46:00 AM
cis-1,3-Dichloropropene	ND	2,000,000		µg/Kg	2000000	4/9/2008 11:46:00 AM
Dibromochloromethane	ND	2,000,000		µg/Kg	2000000	4/9/2008 11:46:00 AM
Dibromomethane	ND	2,000,000		µg/Kg	2000000	4/9/2008 11:46:00 AM
Dichlorodifluoromethane	ND	2,000,000		µg/Kg	2000000	4/9/2008 11:46:00 AM
Dichloromethane	2,700,000	10,000,000	J	µg/Kg	2000000	4/9/2008 11:46:00 AM
Diethyl ether	ND	10,000,000		µg/Kg	2000000	4/9/2008 11:46:00 AM
Ethyl methacrylate	ND	2,000,000		µg/Kg	2000000	4/9/2008 11:46:00 AM
Ethylbenzene	12,000,000	2,000,000		µg/Kg	2000000	4/9/2008 11:46:00 AM
Ethylene dibromide	ND	2,000,000		µg/Kg	2000000	4/9/2008 11:46:00 AM
Hexachlorobutadiene	ND	10,000,000		µg/Kg	2000000	4/9/2008 11:46:00 AM
Hexachloroethane	ND	2,000,000		µg/Kg	2000000	4/9/2008 11:46:00 AM
Isopropyl ether	ND	10,000,000		µg/Kg	2000000	4/9/2008 11:46:00 AM
Isopropylbenzene	780,000	2,000,000	J	µg/Kg	2000000	4/9/2008 11:46:00 AM
m,p-Xylene	51,000,000	4,000,000		µg/Kg	2000000	4/9/2008 11:46:00 AM
Methyl ethyl ketone	4,300,000	10,000,000	J	µg/Kg	2000000	4/9/2008 11:46:00 AM
Methyl Iodide	ND	10,000,000		µg/Kg	2000000	4/9/2008 11:46:00 AM
Methyl isobutyl ketone	ND	20,000,000		µg/Kg	2000000	4/9/2008 11:46:00 AM
Methyl tert-butyl ether	ND	10,000,000		µg/Kg	2000000	4/9/2008 11:46:00 AM
Naphthalene	ND	10,000,000		µg/Kg	2000000	4/9/2008 11:46:00 AM
n-Butylbenzene	ND	2,000,000		µg/Kg	2000000	4/9/2008 11:46:00 AM
n-Propylbenzene	900,000	2,000,000	J	µg/Kg	2000000	4/9/2008 11:46:00 AM
o-Xylene	11,000,000	2,000,000		µg/Kg	2000000	4/9/2008 11:46:00 AM
p-Isopropyltoluene	ND	2,000,000		µg/Kg	2000000	4/9/2008 11:46:00 AM
sec-Butylbenzene	ND	2,000,000		µg/Kg	2000000	4/9/2008 11:46:00 AM
Styrene	ND	2,000,000		µg/Kg	2000000	4/9/2008 11:46:00 AM
t-Butyl alcohol	ND	80,000,000		µg/Kg	2000000	4/9/2008 11:46:00 AM
tert-Amyl Methyl Ether	ND	8,000,000		µg/Kg	2000000	4/9/2008 11:46:00 AM
tert-Butyl Ethyl Ether	ND	10,000,000		µg/Kg	2000000	4/9/2008 11:46:00 AM
tert-Butylbenzene	ND	2,000,000		µg/Kg	2000000	4/9/2008 11:46:00 AM

Qualifiers:

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ND	Not Detected at the Reporting Limit	RL	Reporting Detection Limit
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Analytical Report

(consolidated)

WO#: **0804091**

Date Reported: **4/11/2008**

CLIENT: PSC Environmental Services **Collection Date:** 4/1/2008

Project: Chemfuel

Lab ID: 0804091-001 **Matrix:** SOLVENT

Client Sample ID Chemfuel Composite

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS				**SW8260B**		Analyst: **MT3**
Tetrachloroethene	ND	2,000,000		µg/Kg	2000000	4/9/2008 11:46:00 AM
Toluene	43,000,000	2,000,000		µg/Kg	2000000	4/9/2008 11:46:00 AM
trans-1,2-Dichloroethene	ND	2,000,000		µg/Kg	2000000	4/9/2008 11:46:00 AM
trans-1,3-Dichloropropene	ND	2,000,000		µg/Kg	2000000	4/9/2008 11:46:00 AM
trans-1,4-Dichloro-2-butene	ND	2,000,000		µg/Kg	2000000	4/9/2008 11:46:00 AM
Trichloroethene	ND	2,000,000		µg/Kg	2000000	4/9/2008 11:46:00 AM
Trichlorofluoromethane	ND	2,000,000		µg/Kg	2000000	4/9/2008 11:46:00 AM
Vinyl chloride	ND	1,600,000		µg/Kg	2000000	4/9/2008 11:46:00 AM
Xylenes, Total	62,000,000	6,000,000		µg/Kg	2000000	4/9/2008 11:46:00 AM
Surr: 4-Bromofluorobenzene	99.5	90-115		%REC	2000000	4/9/2008 11:46:00 AM
Surr: Dibromofluoromethane	100	88.4-108		%REC	2000000	4/9/2008 11:46:00 AM
Surr: Toluene-d8	99.4	90-112		%REC	2000000	4/9/2008 11:46:00 AM

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	M	Manual Integration used to determine area response
ND	Not Detected at the Reporting Limit	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits		

CLIENT: PSC Environmental Services
Work Order: 0804091
Project: Chemfuel

QC SUMMARY REPORT

TestCode: EPA-24

Sample ID: **0804091-001ADUP** SampType: **DUP** TestCode: **EPA-24** Units: **lbs/gal** Prep Date: **4/7/2008** RunNo: **19986**
Client ID: **Chemfuel Composit** Batch ID: **R19986** TestNo: **EPA24** Analysis Date: **4/8/2008** SeqNo: **322631**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Density, 24°C	8.05	0						8.047	0	0	
NVR	23.9	0						26.10	8.81	0	
VOC Content (less water)	5.92	0						5.725	3.28	0	
Water	8.99	0						8.910	0.894	0	

CLIENT: PSC Environmental Services
Work Order: 0804091
Project: Chemfuel

QC SUMMARY REPORT

TestCode: SW_7471S

Sample ID: **MB-10511**	SampType: **MBLK**	TestCode: **SW_7471S**	Units: **µg/Kg**	Prep Date: **4/7/2008**	RunNo: **19978**
Client ID: **PBS**	Batch ID: **10511**	TestNo: **SW7471A**		Analysis Date: **4/8/2008**	SeqNo: **322796**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	ND	27									

Sample ID: **LCS-10511**	SampType: **LCS**	TestCode: **SW_7471S**	Units: **µg/Kg**	Prep Date: **4/7/2008**	RunNo: **19978**
Client ID: **LCSS**	Batch ID: **10511**	TestNo: **SW7471A**		Analysis Date: **4/8/2008**	SeqNo: **322797**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	140	30	125.0	0	110	80	120				

Sample ID: **0804091-001AMS**	SampType: **MS**	TestCode: **SW_7471S**	Units: **µg/Kg**	Prep Date: **4/7/2008**	RunNo: **19978**
Client ID: **Chemfuel Composit**	Batch ID: **10511**	TestNo: **SW7471A**		Analysis Date: **4/8/2008**	SeqNo: **322799**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	78	19	80.65	24.84	66.0	75	125				S

Sample ID: **0804091-001AMSD**	SampType: **MSD**	TestCode: **SW_7471S**	Units: **µg/Kg**	Prep Date: **4/7/2008**	RunNo: **19978**
Client ID: **Chemfuel Composit**	Batch ID: **10511**	TestNo: **SW7471A**		Analysis Date: **4/8/2008**	SeqNo: **322800**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	86	19	80.65	24.84	75.2	75	125	78.06	9.11	20	

Qualifiers:

E	Value above quantitation range	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation lir
M	Manual Integration used to determine area response	ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits
RL	Reporting Detection Limit	S	Spike Recovery outside accepted recovery limits		

CLIENT: PSC Environmental Services
Work Order: 0804091
Project: Chemfuel

QC SUMMARY REPORT

TestCode: SW_8015S

Sample ID: **lcs** SampType: **lcs** TestCode: **sw_8015s** Units: **mg/Kg** Prep Date: RunNo: **20056**
Client ID: **LCSS** Batch ID: **R20056** TestNo: **SW8015B** Analysis Date: **4/10/2008** SeqNo: **323915**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1-Butanol	240	10	250.0	0	94.4	70	130				
1-Propanol	290	10	250.0	0	117	70	130				
2-Methoxyethanol	250	10	250.0	0	102	70	130				
2-Methyl-1-propanol	260	10	250.0	0	104	70	130				
2-Propanol	260	10	250.0	0	103	70	130				
Ethanol	250	10	250.0	0	99.6	70	130				
Ethyl acetate	260	10	250.0	0	103	70	130				
Methanol	240	10	250.0	0	97.1	70	130				

Sample ID: **lcsd** SampType: **lcsd** TestCode: **sw_8015s** Units: **mg/Kg** Prep Date: RunNo: **20056**
Client ID: **LCSS02** Batch ID: **R20056** TestNo: **SW8015B** Analysis Date: **4/10/2008** SeqNo: **323916**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1-Butanol	260	10	250.0	0	106	70	130	236.1	11.1	25	
1-Propanol	270	10	250.0	0	107	70	130	292.9	8.84	25	
2-Methoxyethanol	260	10	250.0	0	103	70	130	254.5	1.62	25	
2-Methyl-1-propanol	250	10	250.0	0	98.7	70	130	258.8	4.75	25	
2-Propanol	230	10	250.0	0	91.0	70	130	256.4	11.9	25	
Ethanol	240	10	250.0	0	96.1	70	130	249.0	3.61	25	
Ethyl acetate	250	10	250.0	0	101	70	130	258.0	2.25	25	
Methanol	230	10	250.0	0	92.1	70	130	242.7	5.31	25	

Sample ID: **mb** SampType: **mblk** TestCode: **sw_8015s** Units: **mg/Kg** Prep Date: RunNo: **20056**
Client ID: **PBS** Batch ID: **R20056** TestNo: **SW8015B** Analysis Date: **4/10/2008** SeqNo: **323917**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1-Butanol	ND	10									
1-Propanol	ND	10									
2-Methoxyethanol	ND	10									
2-Methyl-1-propanol	ND	10									
2-Propanol	ND	10									

Qualifiers:

E	Value above quantitation range	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation lir
M	Manual Integration used to determine area response	ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits
RL	Reporting Detection Limit	S	Spike Recovery outside accepted recovery limits		

CLIENT: PSC Environmental Services
Work Order: 0804091
Project: Chemfuel

QC SUMMARY REPORT

TestCode: SW_8015S

Sample ID: **mb**	SampType: **mblk**	TestCode: **sw_8015s**	Units: **mg/Kg**	Prep Date:	RunNo: **20056**
Client ID: **PBS**	Batch ID: **R20056**	TestNo: **SW8015B**		Analysis Date: **4/10/2008**	SeqNo: **323917**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Ethanol	ND	10									
Ethyl acetate	ND	10									
Methanol	ND	10									

Sample ID: **lcs**	SampType: **lcs**	TestCode: **sw_8015s**	Units: **mg/Kg**	Prep Date:	RunNo: **20058**
Client ID: **LCSS**	Batch ID: **R20058**	TestNo: **SW8015B**		Analysis Date: **4/10/2008**	SeqNo: **323929**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
2-Ethoxyethanol	1,000	10	1,000	0	101	70	130				
Cyclohexanone	1,000	10	1,000	0	103	70	130				
Ethylene glycol	2,000	10	2,000	0	99.6	70	130				
Propylene glycol	1,200	10	1,000	0	115	70	130				

Sample ID: **lcsd**	SampType: **lcsd**	TestCode: **sw_8015s**	Units: **mg/Kg**	Prep Date:	RunNo: **20058**
Client ID: **LCSS02**	Batch ID: **R20058**	TestNo: **SW8015B**		Analysis Date: **4/11/2008**	SeqNo: **323930**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
2-Ethoxyethanol	1,000	10	1,000	0	103	70	130	1,011	1.49	25	
Cyclohexanone	1,000	10	1,000	0	105	70	130	1,031	1.36	25	
Ethylene glycol	2,100	10	2,000	0	105	70	130	1,992	5.34	25	
Propylene glycol	1,200	10	1,000	0	118	70	130	1,154	2.19	25	

Sample ID: **mb**	SampType: **mblk**	TestCode: **sw_8015s**	Units: **mg/Kg**	Prep Date:	RunNo: **20058**
Client ID: **PBS**	Batch ID: **R20058**	TestNo: **SW8015B**		Analysis Date: **4/11/2008**	SeqNo: **323931**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
2-Ethoxyethanol	ND	10									
Cyclohexanone	ND	10									
Ethylene glycol	ND	10									
Propylene glycol	ND	10									

Qualifiers:

E	Value above quantitation range	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation lir
M	Manual Integration used to determine area response	ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits
RL	Reporting Detection Limit	S	Spike Recovery outside accepted recovery limits		

CLIENT: PSC Environmental Services
Work Order: 0804091
Project: Chemfuel

QC SUMMARY REPORT

TestCode: SW_8260S

Sample ID: **10ug/KG LCS 10uL** SampType: **LCS** TestCode: **SW_8260S** Units: **µg/Kg** Prep Date: RunNo: **20006**
Client ID: **LCSS** Batch ID: **R20006** TestNo: **SW8260B** Analysis Date: **4/8/2008** SeqNo: **323060**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	460	50	500.0	0	91.4	70	130				
1,1,1-Trichloroethane	460	50	500.0	0	92.7	70	130				
1,1,2,2-Tetrachloroethane	490	50	500.0	0	97.6	70	130				
1,1,2-Trichloro-1,2,2-trifluoroethane	560	50	500.0	0	113	70	130				
1,1,2-Trichloroethane	470	50	500.0	0	93.9	70	130				
1,1-Dichloroethane	470	50	500.0	0	93.6	70	130				
1,1-Dichloroethene	460	50	500.0	0	91.5	70	130				
1,1-Dichloropropene	470	50	500.0	0	94.3	70	130				
1,2,3-Trichlorobenzene	480	50	500.0	0	96.7	70	130				
1,2,3-Trichloropropane	430	50	500.0	0	85.3	70	130				
1,2,3-Trimethylbenzene	470	50	500.0	0	94.9	70	130				
1,2,4-Trichlorobenzene	490	250	500.0	0	98.3	70	130				
1,2,4-Trimethylbenzene	490	50	500.0	0	97.5	70	130				
1,2-Dibromo-3-chloropropane	420	250	500.0	0	84.9	70	130				
1,2-Dichlorobenzene	480	50	500.0	0	96.4	70	130				
1,2-Dichloroethane	480	50	500.0	0	96.1	70	130				
1,2-Dichloropropane	460	50	500.0	0	92.1	70	130				
1,3,5-Trimethylbenzene	490	50	500.0	0	97.9	70	130				
1,3-Dichlorobenzene	490	50	500.0	0	97.7	70	130				
1,3-Dichloropropane	480	50	500.0	0	95.9	70	130				
1,4-Dichlorobenzene	490	50	500.0	0	97.5	70	130				
2,2-Dichloropropane	460	50	500.0	0	92.6	70	130				
2-Chloroethyl vinyl ether	440	500	500.0	0	88.3	70	130				J
2-Chlorotoluene	470	50	500.0	0	94.0	70	130				
2-Hexanone	440	2,500	500.0	0	88.0	70	130				J
2-Methylnaphthalene	740	250	500.0	0	148	70	130				S
2-Nitropropane	350	200	500.0	0	69.7	70	130				S
4-Chlorotoluene	480	50	500.0	0	96.0	70	130				
Acetone	470	2,500	500.0	0	93.0	70	130				J
Acrylonitrile	440	250	500.0	0	87.3	70	130				
Benzene	470	30	500.0	0	93.3	70	130				

Qualifiers:
E Value above quantitation range
H Holding times for preparation or analysis exceeded
J Analyte detected below quantitation lir
M Manual Integration used to determine area response
ND Not Detected at the Reporting Limit
R RPD outside accepted recovery limits
RL Reporting Detection Limit
S Spike Recovery outside accepted recovery limits

CLIENT: PSC Environmental Services
Work Order: 0804091
Project: Chemfuel

QC SUMMARY REPORT

TestCode: SW_8260S

Sample ID: **10ug/KG LCS 10uL** SampType: **LCS** TestCode: **SW_8260S** Units: **µg/Kg** Prep Date: RunNo: **20006**
Client ID: **LCSS** Batch ID: **R20006** TestNo: **SW8260B** Analysis Date: **4/8/2008** SeqNo: **323060**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Bromobenzene	480	50	500.0	0	96.4	70	130				
Bromochloromethane	490	50	500.0	0	98.3	70	130				
Bromodichloromethane	450	50	500.0	0	90.3	70	130				
Bromoform	340	50	500.0	0	67.7	70	130				S
Bromomethane	560	250	500.0	0	111	70	130				
Carbon disulfide	470	250	500.0	0	93.9	70	130				
Carbon tetrachloride	460	50	500.0	0	92.4	70	130				
Chlorobenzene	470	50	500.0	0	94.2	70	130				
Chloroethane	570	250	500.0	0	115	70	130				
Chloroform	460	50	500.0	0	92.4	70	130				
Chloromethane	430	50	500.0	0	85.1	70	130				
cis-1,2-Dichloroethene	460	50	500.0	0	91.7	70	130				
cis-1,3-Dichloropropene	470	50	500.0	0	94.3	70	130				
Dibromochloromethane	440	50	500.0	0	88.5	70	130				
Dibromomethane	470	50	500.0	0	93.2	70	130				
Dichlorodifluoromethane	460	50	500.0	0	91.3	70	130				
Dichloromethane	500	250	500.0	0	99.3	70	130				
Diethyl ether	460	250	500.0	0	91.2	70	130				
Ethyl methacrylate	470	50	500.0	0	93.8	70	130				
Ethylbenzene	490	50	500.0	0	97.2	70	130				
Ethylene dibromide	480	50	500.0	0	95.6	70	130				
Hexachlorobutadiene	580	250	500.0	0	116	70	130				
Hexachloroethane	400	50	500.0	0	80.0	70	130				
Isopropyl ether	470	250	500.0	0	93.3	70	130				
Isopropylbenzene	510	50	500.0	0	102	70	130				
m,p-Xylene	970	100	1,000	0	97.1	70	130				
Methyl ethyl ketone	490	250	500.0	0	98.8	70	130				
Methyl Iodide	370	250	500.0	0	73.4	70	130				
Methyl isobutyl ketone	450	500	500.0	0	89.6	70	130				J
Methyl tert-butyl ether	980	250	1,000	0	97.6	70	130				
Naphthalene	550	250	500.0	0	110	70	130				

Qualifiers:
E Value above quantitation range
H Holding times for preparation or analysis exceeded
J Analyte detected below quantitation lir
M Manual Integration used to determine area response
ND Not Detected at the Reporting Limit
R RPD outside accepted recovery limits
RL Reporting Detection Limit
S Spike Recovery outside accepted recovery limits

CLIENT: PSC Environmental Services
Work Order: 0804091
Project: Chemfuel

QC SUMMARY REPORT

TestCode: SW_8260S

Sample ID: **10ug/KG LCS 10uL**	SampType: **LCS**	TestCode: **SW_8260S**	Units: **µg/Kg**	Prep Date:	RunNo: **20006**
Client ID: **LCSS**	Batch ID: **R20006**	TestNo: **SW8260B**		Analysis Date: **4/8/2008**	SeqNo: **323060**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
n-Butylbenzene	480	50	500.0	0	95.8	70	130				
n-Propylbenzene	490	50	500.0	0	98.8	70	130				
o-Xylene	480	50	500.0	0	95.5	70	130				
p-Isopropyltoluene	460	50	500.0	0	91.6	70	130				
sec-Butylbenzene	480	50	500.0	0	95.7	70	130				
Styrene	490	50	500.0	0	98.3	70	130				
t-Butyl alcohol	2,900	2,000	2,500	0	118	70	130				
tert-Amyl Methyl Ether	460	200	500.0	0	91.7	70	130				
tert-Butyl Ethyl Ether	470	250	500.0	0	93.5	70	130				
tert-Butylbenzene	470	50	500.0	0	93.8	70	130				
Tetrachloroethene	460	50	500.0	0	92.6	70	130				
Toluene	480	50	500.0	0	95.6	70	130				
trans-1,2-Dichloroethene	490	50	500.0	0	97.8	70	130				
trans-1,3-Dichloropropene	460	50	500.0	0	92.9	70	130				
trans-1,4-Dichloro-2-butene	450	50	500.0	0	89.4	70	130				
Trichloroethene	450	50	500.0	0	90.6	70	130				
Trichlorofluoromethane	460	50	500.0	0	91.2	70	130				
Vinyl chloride	460	40	500.0	0	91.5	70	130				
Xylenes, Total	1,400	150	1,500	0	96.6	70	130				
Surr: 4-Bromofluorobenzene	2,500		2,500		99.3	90	115				
Surr: Dibromofluoromethane	2,500		2,500		99.3	88.4	108				
Surr: Toluene-d8	2,500		2,500		101	90	112				

Sample ID: **MBLK 1mLMEOH(14**	SampType: **MBLK**	TestCode: **SW_8260S**	Units: **µg/Kg**	Prep Date:	RunNo: **20006**
Client ID: **PBS**	Batch ID: **R20006**	TestNo: **SW8260B**		Analysis Date: **4/8/2008**	SeqNo: **323061**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	ND	50									
1,1,1-Trichloroethane	ND	50									
1,1,2,2-Tetrachloroethane	ND	50									
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	50									

Qualifiers:

E	Value above quantitation range	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation lir
M	Manual Integration used to determine area response	ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits
RL	Reporting Detection Limit	S	Spike Recovery outside accepted recovery limits		

CLIENT: PSC Environmental Services
Work Order: 0804091
Project: Chemfuel

QC SUMMARY REPORT

TestCode: SW_8260S

Sample ID: **MBLK 1mLMEOH(14** SampType: **MBLK** TestCode: **SW_8260S** Units: **µg/Kg** Prep Date: RunNo: **20006**
Client ID: **PBS** Batch ID: **R20006** TestNo: **SW8260B** Analysis Date: **4/8/2008** SeqNo: **323061**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,2-Trichloroethane	ND	50									
1,1-Dichloroethane	ND	50									
1,1-Dichloroethene	ND	50									
1,1-Dichloropropene	ND	50									
1,2,3-Trichlorobenzene	ND	50									
1,2,3-Trichloropropane	ND	50									
1,2,3-Trimethylbenzene	ND	50									
1,2,4-Trichlorobenzene	ND	250									
1,2,4-Trimethylbenzene	ND	50									
1,2-Dibromo-3-chloropropane	ND	250									
1,2-Dichlorobenzene	ND	50									
1,2-Dichloroethane	ND	50									
1,2-Dichloropropane	ND	50									
1,3,5-Trimethylbenzene	ND	50									
1,3-Dichlorobenzene	ND	50									
1,3-Dichloropropane	ND	50									
1,4-Dichlorobenzene	ND	50									
2,2-Dichloropropane	ND	50									
2-Chloroethyl vinyl ether	ND	500									
2-Chlorotoluene	ND	50									
2-Hexanone	ND	2,500									
2-Methylnaphthalene	180	250									J
2-Nitropropane	ND	200									
4-Chlorotoluene	ND	50									
Acetone	ND	2,500									
Acrylonitrile	ND	250									
Benzene	ND	30									
Bromobenzene	ND	50									
Bromochloromethane	ND	50									
Bromodichloromethane	ND	50									
Bromoform	ND	50									

Qualifiers:
E Value above quantitation range
H Holding times for preparation or analysis exceeded
J Analyte detected below quantitation lir
M Manual Integration used to determine area response
ND Not Detected at the Reporting Limit
R RPD outside accepted recovery limits
RL Reporting Detection Limit
S Spike Recovery outside accepted recovery limits

CLIENT: PSC Environmental Services
Work Order: 0804091
Project: Chemfuel

QC SUMMARY REPORT

TestCode: SW_8260S

Sample ID: **MBLK 1mLMEOH(14** SampType: **MBLK** TestCode: **SW_8260S** Units: **µg/Kg** Prep Date: RunNo: **20006**
Client ID: **PBS** Batch ID: **R20006** TestNo: **SW8260B** Analysis Date: **4/8/2008** SeqNo: **323061**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Bromomethane	ND	250									
Carbon disulfide	ND	250									
Carbon tetrachloride	ND	50									
Chlorobenzene	ND	50									
Chloroethane	ND	250									
Chloroform	ND	50									
Chloromethane	ND	50									
cis-1,2-Dichloroethene	ND	50									
cis-1,3-Dichloropropene	ND	50									
Dibromochloromethane	ND	50									
Dibromomethane	ND	50									
Dichlorodifluoromethane	ND	50									
Dichloromethane	46	250									J
Diethyl ether	ND	250									
Ethyl methacrylate	ND	50									
Ethylbenzene	ND	50									
Ethylene dibromide	ND	50									
Hexachlorobutadiene	ND	250									
Hexachloroethane	ND	50									
Isopropyl ether	ND	250									
Isopropylbenzene	ND	50									
m,p-Xylene	ND	100									
Methyl ethyl ketone	46	250									J
Methyl Iodide	ND	250									
Methyl isobutyl ketone	ND	500									
Methyl tert-butyl ether	ND	250									
Naphthalene	64	250									J
n-Butylbenzene	ND	50									
n-Propylbenzene	ND	50									
o-Xylene	ND	50									
p-Isopropyltoluene	ND	50									

Qualifiers:

E	Value above quantitation range	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation lir
M	Manual Integration used to determine area response	ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits
RL	Reporting Detection Limit	S	Spike Recovery outside accepted recovery limits		

Sample ID: **MBLK 1mLMEOH(14** SampType: **MBLK** TestCode: **SW_8260S** Units: **µg/Kg** Prep Date: RunNo: **20006**
Client ID: **PBS** Batch ID: **R20006** TestNo: **SW8260B** Analysis Date: **4/8/2008** SeqNo: **323061**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
sec-Butylbenzene	ND	50									
Styrene	ND	50									
t-Butyl alcohol	ND	2,000									
tert-Amyl Methyl Ether	ND	200									
tert-Butyl Ethyl Ether	ND	250									
tert-Butylbenzene	ND	50									
Tetrachloroethene	ND	50									
Toluene	ND	50									
trans-1,2-Dichloroethene	ND	50									
trans-1,3-Dichloropropene	ND	50									
trans-1,4-Dichloro-2-butene	ND	50									
Trichloroethene	ND	50									
Trichlorofluoromethane	ND	50									
Vinyl chloride	ND	40									
Xylenes, Total	ND	150									
Surr: 4-Bromofluorobenzene	2,500		2,500		99.5	90	115				
Surr: Dibromofluoromethane	2,500		2,500		99.7	88.4	108				
Surr: Toluene-d8	2,500		2,500		101	90	112				

Sample ID: **0804141-001A MS** SampType: **MS** TestCode: **SW_8260S** Units: **µg/Kg-dry** Prep Date: RunNo: **20006**
Client ID: **ZZZZZZ** Batch ID: **R20006** TestNo: **SW8260B** Analysis Date: **4/8/2008** SeqNo: **323065**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	780	84	843.2	0	92.6	81.7	109				
1,1,1-Trichloroethane	790	84	843.2	0	93.2	73.7	114				
1,1,2,2-Tetrachloroethane	800	84	843.2	0	94.8	72.6	139				
1,1,2-Trichloro-1,2,2-trifluoroethane	930	84	843.2	0	110	62.1	118				
1,1,2-Trichloroethane	800	84	843.2	0	94.5	68.8	130				
1,1-Dichloroethane	770	84	843.2	0	91.2	79.3	111				
1,1-Dichloroethene	780	84	843.2	0	92.8	67.3	116				
1,1-Dichloropropene	830	84	843.2	0	98.5	32	140				

CLIENT: PSC Environmental Services
Work Order: 0804091
Project: Chemfuel

QC SUMMARY REPORT

TestCode: SW_8260S

Sample ID: **0804141-001A MS** SampType: **MS** TestCode: **SW_8260S** Units: **µg/Kg-dry** Prep Date: RunNo: **20006**
Client ID: **ZZZZZZ** Batch ID: **R20006** TestNo: **SW8260B** Analysis Date: **4/8/2008** SeqNo: **323065**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,3-Trichlorobenzene	700	84	843.2	0	83.2	87.3	130				S
1,2,3-Trichloropropane	690	84	843.2	0	81.5	68.8	112				
1,2,3-Trimethylbenzene	790	84	843.2	0	93.3	51.6	132				
1,2,4-Trichlorobenzene	740	420	843.2	0	87.3	87.8	130				S
1,2,4-Trimethylbenzene	810	84	843.2	0	95.9	76.2	131				
1,2-Dibromo-3-chloropropane	750	420	843.2	0	88.7	45.6	162				
1,2-Dichlorobenzene	800	84	843.2	0	95.4	85.9	113				
1,2-Dichloroethane	800	84	843.2	0	94.9	85.8	116				
1,2-Dichloropropane	790	84	843.2	0	93.7	83.6	110				
1,3,5-Trimethylbenzene	810	84	843.2	0	96.2	44.6	174				
1,3-Dichlorobenzene	810	84	843.2	0	95.6	84.7	119				
1,3-Dichloropropane	790	84	843.2	0	94.2	86.2	113				
1,4-Dichlorobenzene	790	84	843.2	0	93.8	85.2	111				
2,2-Dichloropropane	690	84	843.2	0	81.8	40	108				
2-Chloroethyl vinyl ether	630	840	843.2	0	74.2	82	114				JS
2-Chlorotoluene	810	84	843.2	0	95.8	75.7	126				
2-Hexanone	710	4,200	843.2	0	84.0	51.3	170				J
2-Methylnaphthalene	690	420	843.2	0	82.3	75.2	127				
2-Nitropropane	510	340	843.2	0	60.2	70	130				S
4-Chlorotoluene	790	84	843.2	0	93.9	79.6	130				
Acetone	880	4,200	843.2	0	105	77.5	159				J
Acrylonitrile	700	420	843.2	0	82.8	64.8	137				
Benzene	820	51	843.2	0	97.7	52.5	136				
Bromobenzene	790	84	843.2	0	94.2	84.7	114				
Bromochloromethane	820	84	843.2	0	97.8	83.1	118				
Bromodichloromethane	760	84	843.2	0	90.4	60.9	129				
Bromoform	570	84	843.2	0	67.4	77.4	111				S
Bromomethane	1,100	420	843.2	0	129	63.1	189				
Carbon disulfide	760	420	843.2	0	90.0	65.3	113				
Carbon tetrachloride	790	84	843.2	0	93.2	69.7	116				
Chlorobenzene	800	84	843.2	0	94.4	80.9	120				

Qualifiers:
E Value above quantitation range
H Holding times for preparation or analysis exceeded
J Analyte detected below quantitation lir
M Manual Integration used to determine area response
ND Not Detected at the Reporting Limit
R RPD outside accepted recovery limits
RL Reporting Detection Limit
S Spike Recovery outside accepted recovery limits

CLIENT: PSC Environmental Services
Work Order: 0804091
Project: Chemfuel

QC SUMMARY REPORT

TestCode: SW_8260S

Sample ID: **0804141-001A MS** SampType: **MS** TestCode: **SW_8260S** Units: **µg/Kg-dry** Prep Date: RunNo: **20006**
Client ID: **ZZZZZZ** Batch ID: **R20006** TestNo: **SW8260B** Analysis Date: **4/8/2008** SeqNo: **323065**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chloroethane	920	420	843.2	0	109	79.8	154				
Chloroform	820	84	843.2	0	97.7	80.7	112				
Chloromethane	790	84	843.2	0	93.3	36.2	126				
cis-1,2-Dichloroethene	770	84	843.2	0	91.1	65.6	111				
cis-1,3-Dichloropropene	750	84	843.2	0	88.4	76.4	112				
Dibromochloromethane	760	84	843.2	0	90.5	81.3	110				
Dibromomethane	770	84	843.2	0	91.2	87.9	118				
Dichlorodifluoromethane	940	84	843.2	0	112	27.1	121				
Dichloromethane	800	420	843.2	0	94.6	65	121				
Diethyl ether	740	420	843.2	0	87.6	88.2	110				S
Ethyl methacrylate	770	84	843.2	0	91.0	72.1	128				
Ethylbenzene	880	84	843.2	0	105	82.3	119				
Ethylene dibromide	760	84	843.2	0	90.1	89.2	115				
Hexachlorobutadiene	750	420	843.2	0	89.0	69.8	144				
Hexachloroethane	590	84	843.2	0	70.5	27.8	139				
Isopropyl ether	800	420	843.2	0	94.4	76.7	117				
Isopropylbenzene	850	84	843.2	0	101	77.3	131				
m,p-Xylene	1,900	170	1,686	0	110	80.2	120				
Methyl ethyl ketone	720	420	843.2	0	85.6	61	126				
Methyl Iodide	610	420	843.2	0	72.2	70	130				
Methyl isobutyl ketone	720	840	843.2	0	85.2	59	146				J
Methyl tert-butyl ether	1,600	420	1,686	0	93.3	81.2	116				
Naphthalene	650	420	843.2	0	77.6	86.9	133				S
n-Butylbenzene	720	84	843.2	0	85.6	67.8	125				
n-Propylbenzene	820	84	843.2	0	96.7	80.9	125				
o-Xylene	860	84	843.2	0	102	71.1	130				
p-Isopropyltoluene	750	84	843.2	0	88.9	50.1	163				
sec-Butylbenzene	760	84	843.2	0	89.8	71.3	139				
Styrene	790	84	843.2	0	93.9	87.8	123				
t-Butyl alcohol	6,200	3,400	4,216	0	146	70	130				S
tert-Amyl Methyl Ether	760	340	843.2	0	90.4	78.9	111				

Qualifiers:
E Value above quantitation range
H Holding times for preparation or analysis exceeded
J Analyte detected below quantitation lir
M Manual Integration used to determine area response
ND Not Detected at the Reporting Limit
R RPD outside accepted recovery limits
RL Reporting Detection Limit
S Spike Recovery outside accepted recovery limits

CLIENT: PSC Environmental Services
Work Order: 0804091
Project: Chemfuel

QC SUMMARY REPORT

TestCode: SW_8260S

Sample ID: **0804141-001A MS** SampType: **MS** TestCode: **SW_8260S** Units: **µg/Kg-dry** Prep Date: RunNo: **20006**
Client ID: **ZZZZZZ** Batch ID: **R20006** TestNo: **SW8260B** Analysis Date: **4/8/2008** SeqNo: **323065**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
tert-Butyl Ethyl Ether	900	420	843.2	0	106	69.9	132				
tert-Butylbenzene	790	84	843.2	0	93.7	80.7	119				
Tetrachloroethene	890	84	843.2	0	106	42.7	186				
Toluene	1,400	84	843.2	0	165	81.9	119				S
trans-1,2-Dichloroethene	810	84	843.2	0	95.8	75.7	115				
trans-1,3-Dichloropropene	770	84	843.2	0	91.0	75.7	111				
trans-1,4-Dichloro-2-butene	670	84	843.2	0	79.1	52.9	136				
Trichloroethene	780	84	843.2	0	92.1	78.2	120				
Trichlorofluoromethane	790	84	843.2	0	93.1	70	130				
Vinyl chloride	820	67	843.2	0	97.7	37.5	128				
Xylenes, Total	2,700	250	2,530	0	107	62.1	143				
Surr: 4-Bromofluorobenzene	4,300		4,216		102	95.9	130				
Surr: Dibromofluoromethane	4,200		4,216		100	90.4	111				
Surr: Toluene-d8	4,200		4,216		99.8	100	116				S

Sample ID: **0804141-001A MSD** SampType: **MSD** TestCode: **SW_8260S** Units: **µg/Kg-dry** Prep Date: RunNo: **20006**
Client ID: **ZZZZZZ** Batch ID: **R20006** TestNo: **SW8260B** Analysis Date: **4/8/2008** SeqNo: **323066**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	950	84	843.2	0	112	81.7	109	780.8	19.1	15.7	SR
1,1,1-Trichloroethane	950	84	843.2	0	113	73.7	114	785.9	19.0	16.8	R
1,1,2,2-Tetrachloroethane	900	84	843.2	0	107	72.6	139	799.4	11.9	16.7	
1,1,2-Trichloro-1,2,2-trifluoroethane	1,100	84	843.2	0	128	62.1	118	930.1	15.1	25.7	S
1,1,2-Trichloroethane	950	84	843.2	0	112	68.8	130	796.9	17.2	15.9	R
1,1-Dichloroethane	930	84	843.2	0	110	79.3	111	769.0	18.8	16.6	R
1,1-Dichloroethene	930	84	843.2	0	110	67.3	116	782.5	17.0	20	
1,1-Dichloropropene	930	84	843.2	0	111	32	140	830.6	11.7	18.5	
1,2,3-Trichlorobenzene	870	84	843.2	0	103	87.3	130	701.6	21.6	18.8	R
1,2,3-Trichloropropane	800	84	843.2	0	94.9	68.8	112	687.2	15.2	19.4	
1,2,3-Trimethylbenzene	940	84	843.2	0	112	51.6	132	786.8	18.1	16.2	R
1,2,4-Trichlorobenzene	850	420	843.2	0	101	87.8	130	736.2	14.5	23	

Qualifiers:
E Value above quantitation range
H Holding times for preparation or analysis exceeded
J Analyte detected below quantitation lin
M Manual Integration used to determine area response
ND Not Detected at the Reporting Limit
R RPD outside accepted recovery limits
RL Reporting Detection Limit
S Spike Recovery outside accepted recovery limits

CLIENT: PSC Environmental Services
Work Order: 0804091
Project: Chemfuel

QC SUMMARY REPORT

TestCode: SW_8260S

Sample ID: **0804141-001A MSD** SampType: **MSD** TestCode: **SW_8260S** Units: **µg/Kg-dry** Prep Date: RunNo: **20006**
Client ID: **ZZZZZZ** Batch ID: **R20006** TestNo: **SW8260B** Analysis Date: **4/8/2008** SeqNo: **323066**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trimethylbenzene	930	84	843.2	0	111	76.2	131	808.7	14.1	20.6	
1,2-Dibromo-3-chloropropane	760	420	843.2	0	89.6	45.6	162	748.0	1.01	48.7	
1,2-Dichlorobenzene	940	84	843.2	0	111	85.9	113	804.5	15.4	17.5	
1,2-Dichloroethane	980	84	843.2	0	116	85.8	116	800.2	20.0	13.9	SR
1,2-Dichloropropane	940	84	843.2	0	112	83.6	110	790.1	17.3	18.1	S
1,3,5-Trimethylbenzene	960	84	843.2	0	114	44.6	174	811.2	17.0	19.2	
1,3-Dichlorobenzene	940	84	843.2	0	112	84.7	119	806.1	15.7	22.5	
1,3-Dichloropropane	940	84	843.2	0	112	86.2	113	794.3	17.0	17.2	
1,4-Dichlorobenzene	930	84	843.2	0	110	85.2	111	791.0	15.6	16.2	
2,2-Dichloropropane	830	84	843.2	0	99.0	40	108	689.8	19.0	16	R
2-Chloroethyl vinyl ether	800	840	843.2	0	94.3	82	114	625.7	0	18.4	J
2-Chlorotoluene	950	84	843.2	0	112	75.7	126	807.8	15.7	17.2	
2-Hexanone	830	4,200	843.2	0	98.2	51.3	170	708.3	0	40	J
2-Methylnaphthalene	890	420	843.2	0	106	75.2	127	694.0	25.3	26.8	
2-Nitropropane	620	340	5,903	0	10.5	70	130	507.6	20.3	56.4	S
4-Chlorotoluene	960	84	843.2	0	114	79.6	130	791.8	19.4	35.6	
Acetone	890	4,200	843.2	0	106	77.5	159	883.7	0	40	J
Acrylonitrile	820	420	843.2	0	97.2	64.8	137	698.2	16.0	24.5	
Benzene	960	51	843.2	0	114	52.5	136	823.9	15.1	13.5	R
Bromobenzene	960	84	843.2	0	114	84.7	114	794.3	18.8	19.6	
Bromochloromethane	960	84	843.2	0	114	83.1	118	824.7	15.6	17	
Bromodichloromethane	910	84	843.2	0	108	60.9	129	762.3	17.6	18.3	
Bromoform	690	84	843.2	0	81.8	77.4	111	568.4	19.3	16.4	R
Bromomethane	1,100	420	843.2	0	134	63.1	189	1,088	3.43	40.4	
Carbon disulfide	930	420	843.2	0	111	65.3	113	758.9	20.4	22	
Carbon tetrachloride	940	84	843.2	0	112	69.7	116	785.9	18.0	21	
Chlorobenzene	960	84	843.2	0	114	80.9	120	796.0	18.4	16	R
Chloroethane	1,300	420	843.2	0	156	79.8	154	919.1	35.5	28.2	SR
Chloroform	950	84	843.2	0	112	80.7	112	823.9	13.9	14.7	S
Chloromethane	930	84	843.2	0	111	36.2	126	786.8	17.1	33.6	
cis-1,2-Dichloroethene	910	84	843.2	0	109	65.6	111	768.2	17.4	24.9	

Qualifiers:
E Value above quantitation range
H Holding times for preparation or analysis exceeded
J Analyte detected below quantitation lin
M Manual Integration used to determine area response
ND Not Detected at the Reporting Limit
R RPD outside accepted recovery limits
RL Reporting Detection Limit
S Spike Recovery outside accepted recovery limits

CLIENT: PSC Environmental Services
Work Order: 0804091
Project: Chemfuel

QC SUMMARY REPORT

TestCode: SW_8260S

Sample ID: **0804141-001A MSD** SampType: **MSD** TestCode: **SW_8260S** Units: **µg/Kg-dry** Prep Date: RunNo: **20006**
Client ID: **ZZZZZZ** Batch ID: **R20006** TestNo: **SW8260B** Analysis Date: **4/8/2008** SeqNo: **323066**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
cis-1,3-Dichloropropene	910	84	843.2	0	108	76.4	112	745.4	19.6	18.7	R
Dibromochloromethane	930	84	843.2	0	110	81.3	110	763.1	19.5	19.4	SR
Dibromomethane	910	84	843.2	0	108	87.9	118	769.0	17.0	15.2	R
Dichlorodifluoromethane	1,100	84	843.2	0	134	27.1	121	944.4	17.6	34.1	S
Dichloromethane	920	420	843.2	0	109	65	121	797.7	14.2	31.8	
Diethyl ether	890	420	843.2	0	106	88.2	110	738.7	18.7	21.2	
Ethyl methacrylate	920	84	843.2	0	109	72.1	128	767.4	18.4	18.3	R
Ethylbenzene	970	84	843.2	0	115	82.3	119	884.6	9.45	15.5	
Ethylene dibromide	940	84	843.2	0	112	89.2	115	759.8	21.5	17.6	R
Hexachlorobutadiene	840	420	843.2	0	100	69.8	144	750.5	11.6	24	
Hexachloroethane	710	84	843.2	0	84.5	27.8	139	594.5	18.1	15.7	R
Isopropyl ether	950	420	843.2	0	113	76.7	117	796.0	17.8	15.4	R
Isopropylbenzene	980	84	843.2	0	116	77.3	131	852.5	13.5	15.9	
m,p-Xylene	2,000	170	1,686	0	119	80.2	120	1,855	7.99	17.3	
Methyl ethyl ketone	840	420	843.2	0	99.3	61	126	721.8	14.8	34	
Methyl Iodide	740	420	843.2	0	87.8	70	130	608.8	19.5	25	
Methyl isobutyl ketone	830	840	843.2	0	98.1	59	146	718.4	0	33.7	J
Methyl tert-butyl ether	1,900	420	1,686	0	114	81.2	116	1,573	20.1	17.5	R
Naphthalene	850	420	843.2	0	101	86.9	133	654.4	26.5	17.1	R
n-Butylbenzene	860	84	843.2	0	101	67.8	125	721.8	16.9	22.4	
n-Propylbenzene	960	84	843.2	0	114	80.9	125	815.4	16.2	16.5	
o-Xylene	950	84	843.2	0	113	71.1	130	863.5	9.84	16	
p-Isopropyltoluene	890	84	843.2	0	105	50.1	163	749.6	16.9	19.2	
sec-Butylbenzene	910	84	843.2	0	109	71.3	139	757.2	18.9	18.8	R
Styrene	980	84	843.2	0	116	87.8	123	791.8	20.8	16	R
t-Butyl alcohol	6,100	3,400	4,216	0	144	70	130	6,168	1.52	17.1	S
tert-Amyl Methyl Ether	930	340	843.2	0	110	78.9	111	762.3	19.7	14.3	R
tert-Butyl Ethyl Ether	960	420	843.2	0	114	69.9	132	896.4	7.34	30.6	
tert-Butylbenzene	900	84	843.2	0	107	80.7	119	790.1	13.4	19.2	
Tetrachloroethene	1,000	84	843.2	0	123	42.7	186	892.2	14.6	41.2	
Toluene	1,000	84	843.2	0	122	81.9	119	1,387	29.7	16.2	SR

Qualifiers:
E Value above quantitation range
H Holding times for preparation or analysis exceeded
J Analyte detected below quantitation lin
M Manual Integration used to determine area response
ND Not Detected at the Reporting Limit
R RPD outside accepted recovery limits
RL Reporting Detection Limit
S Spike Recovery outside accepted recovery limits

CLIENT: PSC Environmental Services
Work Order: 0804091
Project: Chemfuel

QC SUMMARY REPORT

TestCode: SW_8260S

Sample ID: **0804141-001A MSD** SampType: **MSD** TestCode: **SW_8260S** Units: **µg/Kg-dry** Prep Date: RunNo: **20006**
Client ID: **ZZZZZZ** Batch ID: **R20006** TestNo: **SW8260B** Analysis Date: **4/8/2008** SeqNo: **323066**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
trans-1,2-Dichloroethene	960	84	843.2	0	114	75.7	115	807.8	17.1	17.1	
trans-1,3-Dichloropropene	900	84	843.2	0	107	75.7	111	767.4	15.9	19.3	
trans-1,4-Dichloro-2-butene	790	84	843.2	0	93.5	52.9	136	667.0	16.7	17	
Trichloroethene	980	84	843.2	0	117	78.2	120	776.6	23.5	19	R
Trichlorofluoromethane	930	84	843.2	0	110	70	130	785.1	16.6	25	
Vinyl chloride	960	67	843.2	0	114	37.5	128	823.9	15.0	33.3	
Xylenes, Total	3,000	250	2,530	0	117	62.1	143	2,719	8.58	16.5	
Surr: 4-Bromofluorobenzene	4,200		4,216		101	95.9	130		0	25	
Surr: Dibromofluoromethane	4,200		4,216		100	90.4	111		0	25	
Surr: Toluene-d8	4,200		4,216		101	100	116		0	25	

Sample ID: **10ug/KG LCS 10uL** SampType: **LCS** TestCode: **SW_8260S** Units: **µg/Kg** Prep Date: RunNo: **20006**
Client ID: **LCSS** Batch ID: **R20006** TestNo: **SW8260B** Analysis Date: **4/9/2008** SeqNo: **323085**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	540	50	500.0	0	108	70	130				
1,1,1-Trichloroethane	540	50	500.0	0	109	70	130				
1,1,2,2-Tetrachloroethane	500	50	500.0	0	100	70	130				
1,1,2-Trichloro-1,2,2-trifluoroethane	630	50	500.0	0	125	70	130				
1,1,2-Trichloroethane	540	50	500.0	0	109	70	130				
1,1-Dichloroethane	550	50	500.0	0	110	70	130				
1,1-Dichloroethene	540	50	500.0	0	109	70	130				
1,1-Dichloropropene	560	50	500.0	0	111	70	130				
1,2,3-Trichlorobenzene	520	50	500.0	0	104	70	130				
1,2,3-Trichloropropane	480	50	500.0	0	96.0	70	130				
1,2,3-Trimethylbenzene	570	50	500.0	0	114	70	130				
1,2,4-Trichlorobenzene	550	250	500.0	0	111	70	130				
1,2,4-Trimethylbenzene	560	50	500.0	0	111	70	130				
1,2-Dibromo-3-chloropropane	460	250	500.0	0	91.6	70	130				
1,2-Dichlorobenzene	560	50	500.0	0	112	70	130				
1,2-Dichloroethane	550	50	500.0	0	111	70	130				

Qualifiers:
E Value above quantitation range
H Holding times for preparation or analysis exceeded
J Analyte detected below quantitation lir
M Manual Integration used to determine area response
ND Not Detected at the Reporting Limit
R RPD outside accepted recovery limits
RL Reporting Detection Limit
S Spike Recovery outside accepted recovery limits

CLIENT: PSC Environmental Services
Work Order: 0804091
Project: Chemfuel

QC SUMMARY REPORT

TestCode: SW_8260S

Sample ID: **10ug/KG LCS 10uL** SampType: **LCS** TestCode: **SW_8260S** Units: **µg/Kg** Prep Date: RunNo: **20006**
Client ID: **LCSS** Batch ID: **R20006** TestNo: **SW8260B** Analysis Date: **4/9/2008** SeqNo: **323085**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2-Dichloropropane	540	50	500.0	0	109	70	130				
1,3,5-Trimethylbenzene	560	50	500.0	0	113	70	130				
1,3-Dichlorobenzene	540	50	500.0	0	109	70	130				
1,3-Dichloropropane	540	50	500.0	0	109	70	130				
1,4-Dichlorobenzene	550	50	500.0	0	110	70	130				
2,2-Dichloropropane	400	50	500.0	0	81.0	70	130				
2-Chloroethyl vinyl ether	540	500	500.0	0	108	70	130				
2-Chlorotoluene	540	50	500.0	0	108	70	130				
2-Hexanone	520	2,500	500.0	0	105	70	130				J
2-Methylnaphthalene	660	250	500.0	0	132	70	130				S
2-Nitropropane	340	200	500.0	0	68.8	70	130				S
4-Chlorotoluene	550	50	500.0	0	109	70	130				
Acetone	660	2,500	500.0	0	132	70	130				JS
Acrylonitrile	460	250	500.0	0	91.5	70	130				
Benzene	540	30	500.0	0	108	70	130				
Bromobenzene	540	50	500.0	0	108	70	130				
Bromochloromethane	560	50	500.0	0	111	70	130				
Bromodichloromethane	530	50	500.0	0	105	70	130				
Bromoform	400	50	500.0	0	79.2	70	130				
Bromomethane	700	250	500.0	0	140	70	130				S
Carbon disulfide	540	250	500.0	0	107	70	130				
Carbon tetrachloride	520	50	500.0	0	105	70	130				
Chlorobenzene	550	50	500.0	0	109	70	130				
Chloroethane	710	250	500.0	0	142	70	130				S
Chloroform	550	50	500.0	0	111	70	130				
Chloromethane	530	50	500.0	0	106	70	130				
cis-1,2-Dichloroethene	470	50	500.0	0	94.2	70	130				
cis-1,3-Dichloropropene	510	50	500.0	0	101	70	130				
Dibromochloromethane	520	50	500.0	0	103	70	130				
Dibromomethane	560	50	500.0	0	111	70	130				
Dichlorodifluoromethane	640	50	500.0	0	127	70	130				

Qualifiers:
E Value above quantitation range
H Holding times for preparation or analysis exceeded
J Analyte detected below quantitation lir
M Manual Integration used to determine area response
ND Not Detected at the Reporting Limit
R RPD outside accepted recovery limits
RL Reporting Detection Limit
S Spike Recovery outside accepted recovery limits

CLIENT: PSC Environmental Services
Work Order: 0804091
Project: Chemfuel

QC SUMMARY REPORT

TestCode: SW_8260S

Sample ID: **10ug/KG LCS 10uL** SampType: **LCS** TestCode: **SW_8260S** Units: **µg/Kg** Prep Date: RunNo: **20006**
Client ID: **LCSS** Batch ID: **R20006** TestNo: **SW8260B** Analysis Date: **4/9/2008** SeqNo: **323085**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dichloromethane	540	250	500.0	0	108	70	130				
Diethyl ether	520	250	500.0	0	104	70	130				
Ethyl methacrylate	520	50	500.0	0	104	70	130				
Ethylbenzene	580	50	500.0	0	115	70	130				
Ethylene dibromide	540	50	500.0	0	109	70	130				
Hexachlorobutadiene	580	250	500.0	0	115	70	130				
Hexachloroethane	410	50	500.0	0	82.8	70	130				
Isopropyl ether	540	250	500.0	0	109	70	130				
Isopropylbenzene	580	50	500.0	0	116	70	130				
m,p-Xylene	1,100	100	1,000	0	114	70	130				
Methyl ethyl ketone	520	250	500.0	0	104	70	130				
Methyl Iodide	430	250	500.0	0	85.5	70	130				
Methyl isobutyl ketone	490	500	500.0	0	97.3	70	130				J
Methyl tert-butyl ether	1,100	250	1,000	0	112	70	130				
Naphthalene	610	250	500.0	0	122	70	130				
n-Butylbenzene	540	50	500.0	0	108	70	130				
n-Propylbenzene	550	50	500.0	0	110	70	130				
o-Xylene	560	50	500.0	0	112	70	130				
p-Isopropyltoluene	530	50	500.0	0	107	70	130				
sec-Butylbenzene	550	50	500.0	0	109	70	130				
Styrene	530	50	500.0	0	106	70	130				
t-Butyl alcohol	4,000	2,000	2,500	0	159	70	130				S
tert-Amyl Methyl Ether	530	200	500.0	0	107	70	130				
tert-Butyl Ethyl Ether	560	250	500.0	0	112	70	130				
tert-Butylbenzene	540	50	500.0	0	109	70	130				
Tetrachloroethene	890	50	500.0	0	178	70	130				S
Toluene	580	50	500.0	0	116	70	130				
trans-1,2-Dichloroethene	560	50	500.0	0	113	70	130				
trans-1,3-Dichloropropene	510	50	500.0	0	102	70	130				
trans-1,4-Dichloro-2-butene	450	50	500.0	0	89.1	70	130				
Trichloroethene	580	50	500.0	0	116	70	130				

Qualifiers:
E Value above quantitation range
H Holding times for preparation or analysis exceeded
J Analyte detected below quantitation lir
M Manual Integration used to determine area response
ND Not Detected at the Reporting Limit
R RPD outside accepted recovery limits
RL Reporting Detection Limit
S Spike Recovery outside accepted recovery limits

Sample ID: **10ug/KG LCS 10uL** SampType: **LCS** TestCode: **SW_8260S** Units: **µg/Kg** Prep Date: RunNo: **20006**
Client ID: **LCSS** Batch ID: **R20006** TestNo: **SW8260B** Analysis Date: **4/9/2008** SeqNo: **323085**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Trichlorofluoromethane	540	50	500.0	0	109	70	130				
Vinyl chloride	560	40	500.0	0	112	70	130				
Xylenes, Total	1,700	150	1,500	0	113	70	130				
Surr: 4-Bromofluorobenzene	2,500		2,500		99.3	90	115				
Surr: Dibromofluoromethane	2,500		2,500		98.4	88.4	108				
Surr: Toluene-d8	2,500		2,500		99.6	90	112				

Sample ID: **MBLK 1mLMEOH(14** SampType: **MBLK** TestCode: **SW_8260S** Units: **µg/Kg** Prep Date: RunNo: **20006**
Client ID: **PBS** Batch ID: **R20006** TestNo: **SW8260B** Analysis Date: **4/9/2008** SeqNo: **323086**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	ND	50									
1,1,1-Trichloroethane	ND	50									
1,1,2,2-Tetrachloroethane	ND	50									
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	50									
1,1,2-Trichloroethane	ND	50									
1,1-Dichloroethane	ND	50									
1,1-Dichloroethene	ND	50									
1,1-Dichloropropene	ND	50									
1,2,3-Trichlorobenzene	ND	50									
1,2,3-Trichloropropane	ND	50									
1,2,3-Trimethylbenzene	ND	50									
1,2,4-Trichlorobenzene	ND	250									
1,2,4-Trimethylbenzene	ND	50									
1,2-Dibromo-3-chloropropane	ND	250									
1,2-Dichlorobenzene	ND	50									
1,2-Dichloroethane	ND	50									
1,2-Dichloropropane	ND	50									
1,3,5-Trimethylbenzene	ND	50									
1,3-Dichlorobenzene	ND	50									
1,3-Dichloropropane	ND	50									

Sample ID: **MBLK 1mLMEOH(14** SampType: **MBLK** TestCode: **SW_8260S** Units: **µg/Kg** Prep Date: RunNo: **20006**
Client ID: **PBS** Batch ID: **R20006** TestNo: **SW8260B** Analysis Date: **4/9/2008** SeqNo: **323086**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,4-Dichlorobenzene	ND	50									
2,2-Dichloropropane	ND	50									
2-Chloroethyl vinyl ether	ND	500									
2-Chlorotoluene	ND	50									
2-Hexanone	ND	2,500									
2-Methylnaphthalene	ND	250									
2-Nitropropane	ND	200									
4-Chlorotoluene	ND	50									
Acetone	ND	2,500									
Acrylonitrile	ND	250									
Benzene	ND	30									
Bromobenzene	ND	50									
Bromochloromethane	ND	50									
Bromodichloromethane	ND	50									
Bromoform	ND	50									
Bromomethane	ND	250									
Carbon disulfide	ND	250									
Carbon tetrachloride	ND	50									
Chlorobenzene	ND	50									
Chloroethane	ND	250									
Chloroform	ND	50									
Chloromethane	ND	50									
cis-1,2-Dichloroethene	ND	50									
cis-1,3-Dichloropropene	ND	50									
Dibromochloromethane	ND	50									
Dibromomethane	ND	50									
Dichlorodifluoromethane	ND	50									
Dichloromethane	ND	250									
Diethyl ether	ND	250									
Ethyl methacrylate	ND	50									
Ethylbenzene	ND	50									

CLIENT: PSC Environmental Services
Work Order: 0804091
Project: Chemfuel

QC SUMMARY REPORT

TestCode: SW_8260S

Sample ID: **MBLK 1mLMEOH(14** SampType: **MBLK** TestCode: **SW_8260S** Units: **µg/Kg** Prep Date: RunNo: **20006**
Client ID: **PBS** Batch ID: **R20006** TestNo: **SW8260B** Analysis Date: **4/9/2008** SeqNo: **323086**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Ethylene dibromide	ND	50									
Hexachlorobutadiene	ND	250									
Hexachloroethane	ND	50									
Isopropyl ether	ND	250									
Isopropylbenzene	ND	50									
m,p-Xylene	ND	100									
Methyl ethyl ketone	ND	250									
Methyl Iodide	ND	250									
Methyl isobutyl ketone	ND	500									
Methyl tert-butyl ether	ND	250									
Naphthalene	53	250									J
n-Butylbenzene	ND	50									
n-Propylbenzene	ND	50									
o-Xylene	ND	50									
p-Isopropyltoluene	ND	50									
sec-Butylbenzene	ND	50									
Styrene	ND	50									
t-Butyl alcohol	ND	2,000									
tert-Amyl Methyl Ether	ND	200									
tert-Butyl Ethyl Ether	ND	250									
tert-Butylbenzene	ND	50									
Tetrachloroethene	ND	50									
Toluene	22	50									J
trans-1,2-Dichloroethene	ND	50									
trans-1,3-Dichloropropene	ND	50									
trans-1,4-Dichloro-2-butene	ND	50									
Trichloroethene	ND	50									
Trichlorofluoromethane	ND	50									
Vinyl chloride	ND	40									
Xylenes, Total	ND	150									
Surr: 4-Bromofluorobenzene	2,500		2,500		98.8	90	115				

Qualifiers:

E	Value above quantitation range	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation lir
M	Manual Integration used to determine area response	ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits
RL	Reporting Detection Limit	S	Spike Recovery outside accepted recovery limits		

Sample ID: **MBLK 1mLMEOH(14** SampType: **MBLK** TestCode: **SW_8260S** Units: **µg/Kg** Prep Date: RunNo: **20006**
Client ID: **PBS** Batch ID: **R20006** TestNo: **SW8260B** Analysis Date: **4/9/2008** SeqNo: **323086**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: Dibromofluoromethane	2,500		2,500		99.0	88.4	108				
Surr: Toluene-d8	2,500		2,500		98.6	90	112				

Sample ID: **0804160-004A MS** SampType: **MS** TestCode: **SW_8260S** Units: **µg/Kg-dry** Prep Date: RunNo: **20006**
Client ID: **ZZZZZZ** Batch ID: **R20006** TestNo: **SW8260B** Analysis Date: **4/9/2008** SeqNo: **323091**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	580	58	575.5	0	101	81.7	109				
1,1,1-Trichloroethane	580	58	575.5	0	101	73.7	114				
1,1,2,2-Tetrachloroethane	560	58	575.5	0	98.1	72.6	139				
1,1,2-Trichloro-1,2,2-trifluoroethane	660	58	575.5	0	115	62.1	118				
1,1,2-Trichloroethane	590	58	575.5	0	103	68.8	130				
1,1-Dichloroethane	590	58	575.5	0	103	79.3	111				
1,1-Dichloroethene	570	58	575.5	0	98.2	67.3	116				
1,1-Dichloropropene	610	58	575.5	0	106	32	140				
1,2,3-Trichlorobenzene	530	58	575.5	0	92.3	87.3	130				
1,2,3-Trichloropropane	480	58	575.5	0	83.3	68.8	112				
1,2,3-Trimethylbenzene	600	58	575.5	0	104	51.6	132				
1,2,4-Trichlorobenzene	540	290	575.5	0	94.0	87.8	130				
1,2,4-Trimethylbenzene	590	58	575.5	0	102	76.2	131				
1,2-Dibromo-3-chloropropane	450	290	575.5	0	78.6	45.6	162				
1,2-Dichlorobenzene	590	58	575.5	0	103	85.9	113				
1,2-Dichloroethane	610	58	575.5	0	106	85.8	116				
1,2-Dichloropropane	600	58	575.5	0	104	83.6	110				
1,3,5-Trimethylbenzene	600	58	575.5	0	104	44.6	174				
1,3-Dichlorobenzene	590	58	575.5	0	103	84.7	119				
1,3-Dichloropropane	600	58	575.5	0	104	86.2	113				
1,4-Dichlorobenzene	590	58	575.5	0	103	85.2	111				
2,2-Dichloropropane	410	58	575.5	0	70.9	40	108				
2-Chloroethyl vinyl ether	550	580	575.5	0	96.1	82	114				J
2-Chlorotoluene	590	58	575.5	0	103	75.7	126				

CLIENT: PSC Environmental Services
Work Order: 0804091
Project: Chemfuel

QC SUMMARY REPORT

TestCode: SW_8260S

Sample ID: **0804160-004A MS** SampType: **MS** TestCode: **SW_8260S** Units: **µg/Kg-dry** Prep Date: RunNo: **20006**
Client ID: **ZZZZZZ** Batch ID: **R20006** TestNo: **SW8260B** Analysis Date: **4/9/2008** SeqNo: **323091**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
2-Hexanone	480	2,900	575.5	0	83.5	51.3	170				J
2-Methylnaphthalene	450	290	575.5	0	77.8	75.2	127				
2-Nitropropane	340	230	575.5	0	58.9	70	130				S
4-Chlorotoluene	600	58	575.5	0	104	79.6	130				
Acetone	570	2,900	575.5	0	99.2	77.5	159				J
Acrylonitrile	520	290	575.5	0	89.8	64.8	137				
Benzene	590	35	575.5	0	102	52.5	136				
Bromobenzene	590	58	575.5	0	103	84.7	114				
Bromochloromethane	610	58	575.5	0	106	83.1	118				
Bromodichloromethane	570	58	575.5	0	99.5	60.9	129				
Bromoform	410	58	575.5	0	71.8	77.4	111				S
Bromomethane	720	290	575.5	0	125	63.1	189				
Carbon disulfide	520	290	575.5	0	90.7	65.3	113				
Carbon tetrachloride	580	58	575.5	0	100	69.7	116				
Chlorobenzene	610	58	575.5	0	106	80.9	120				
Chloroethane	820	290	575.5	0	142	79.8	154				
Chloroform	620	58	575.5	0	107	80.7	112				
Chloromethane	480	58	575.5	0	83.9	36.2	126				
cis-1,2-Dichloroethene	530	58	575.5	0	91.4	65.6	111				
cis-1,3-Dichloropropene	530	58	575.5	0	92.7	76.4	112				
Dibromochloromethane	570	58	575.5	0	99.8	81.3	110				
Dibromomethane	580	58	575.5	0	101	87.9	118				
Dichlorodifluoromethane	440	58	575.5	0	76.5	27.1	121				
Dichloromethane	620	290	575.5	49.50	99.2	65	121				
Diethyl ether	550	290	575.5	0	94.9	88.2	110				
Ethyl methacrylate	550	58	575.5	0	94.9	72.1	128				
Ethylbenzene	610	58	575.5	0	107	82.3	119				
Ethylene dibromide	580	58	575.5	0	102	89.2	115				
Hexachlorobutadiene	540	290	575.5	0	93.7	69.8	144				
Hexachloroethane	420	58	575.5	0	72.7	27.8	139				
Isopropyl ether	600	290	575.5	0	104	76.7	117				

Qualifiers:
E Value above quantitation range
H Holding times for preparation or analysis exceeded
J Analyte detected below quantitation lir
M Manual Integration used to determine area response
ND Not Detected at the Reporting Limit
R RPD outside accepted recovery limits
RL Reporting Detection Limit
S Spike Recovery outside accepted recovery limits

CLIENT: PSC Environmental Services
Work Order: 0804091
Project: Chemfuel

QC SUMMARY REPORT

TestCode: SW_8260S

Sample ID: **0804160-004A MS** SampType: **MS** TestCode: **SW_8260S** Units: **µg/Kg-dry** Prep Date: RunNo: **20006**
Client ID: **ZZZZZZ** Batch ID: **R20006** TestNo: **SW8260B** Analysis Date: **4/9/2008** SeqNo: **323091**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Isopropylbenzene	620	58	575.5	0	109	77.3	131				
m,p-Xylene	1,200	120	1,151	0	106	80.2	120				
Methyl ethyl ketone	510	290	575.5	47.77	80.2	61	126				
Methyl Iodide	400	290	575.5	0	69.2	70	130				S
Methyl isobutyl ketone	520	580	575.5	0	89.7	59	146				J
Methyl tert-butyl ether	1,200	290	1,151	0	104	81.2	116				
Naphthalene	490	290	575.5	0	84.7	86.9	133				S
n-Butylbenzene	530	58	575.5	0	91.8	67.8	125				
n-Propylbenzene	600	58	575.5	0	104	80.9	125				
o-Xylene	600	58	575.5	0	104	71.1	130				
p-Isopropyltoluene	560	58	575.5	0	97.4	50.1	163				
sec-Butylbenzene	570	58	575.5	0	99.5	71.3	139				
Styrene	600	58	575.5	0	104	87.8	123				
t-Butyl alcohol	4,400	2,300	2,878	0	154	70	130				S
tert-Amyl Methyl Ether	570	230	575.5	0	99.8	78.9	111				
tert-Butyl Ethyl Ether	600	290	575.5	0	105	69.9	132				
tert-Butylbenzene	580	58	575.5	0	100	80.7	119				
Tetrachloroethene	600	58	575.5	0	105	42.7	186				
Toluene	620	58	575.5	0	108	81.9	119				
trans-1,2-Dichloroethene	580	58	575.5	0	101	75.7	115				
trans-1,3-Dichloropropene	540	58	575.5	0	93.4	75.7	111				
trans-1,4-Dichloro-2-butene	440	58	575.5	0	76.2	52.9	136				
Trichloroethene	600	58	575.5	0	104	78.2	120				
Trichlorofluoromethane	550	58	575.5	0	94.9	70	130				
Vinyl chloride	520	46	575.5	0	89.6	37.5	128				
Xylenes, Total	1,800	170	1,727	0	106	62.1	143				
Surr: 4-Bromofluorobenzene	2,900		2,878		99.3	95.9	130				
Surr: Dibromofluoromethane	2,900		2,878		101	90.4	111				
Surr: Toluene-d8	2,900		2,878		99.1	100	116				S

Qualifiers:

E	Value above quantitation range	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation lir
M	Manual Integration used to determine area response	ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits
RL	Reporting Detection Limit	S	Spike Recovery outside accepted recovery limits		

CLIENT: PSC Environmental Services
Work Order: 0804091
Project: Chemfuel

QC SUMMARY REPORT

TestCode: SW_8260S

Sample ID: **0804160-004A MSD** SampType: **MSD** TestCode: **SW_8260S** Units: **µg/Kg-dry** Prep Date: RunNo: **20006**
Client ID: **ZZZZZZ** Batch ID: **R20006** TestNo: **SW8260B** Analysis Date: **4/9/2008** SeqNo: **323092**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	590	58	575.5	0	103	81.7	109	579.6	1.97	15.7	
1,1,1-Trichloroethane	570	58	575.5	0	99.7	73.7	114	580.2	1.10	16.8	
1,1,2,2-Tetrachloroethane	590	58	575.5	0	102	72.6	139	564.6	3.60	16.7	
1,1,2-Trichloro-1,2,2-trifluoroethane	670	58	575.5	0	117	62.1	118	664.2	1.03	25.7	
1,1,2-Trichloroethane	610	58	575.5	0	106	68.8	130	591.7	2.97	15.9	
1,1-Dichloroethane	600	58	575.5	0	105	79.3	111	592.8	2.02	16.6	
1,1-Dichloroethene	580	58	575.5	0	101	67.3	116	565.2	2.41	20	
1,1-Dichloropropene	590	58	575.5	0	102	32	140	610.7	3.55	18.5	
1,2,3-Trichlorobenzene	550	58	575.5	0	94.9	87.3	130	531.2	2.78	18.8	
1,2,3-Trichloropropane	510	58	575.5	0	88.6	68.8	112	479.4	6.17	19.4	
1,2,3-Trimethylbenzene	600	58	575.5	0	105	51.6	132	599.7	0.765	16.2	
1,2,4-Trichlorobenzene	540	290	575.5	0	93.7	87.8	130	541.0	0.320	23	
1,2,4-Trimethylbenzene	600	58	575.5	0	104	76.2	131	587.6	1.94	20.6	
1,2-Dibromo-3-chloropropane	500	290	575.5	0	87.0	45.6	162	452.4	10.1	48.7	
1,2-Dichlorobenzene	600	58	575.5	0	104	85.9	113	590.5	1.07	17.5	
1,2-Dichloroethane	620	58	575.5	0	107	85.8	116	607.2	1.51	13.9	
1,2-Dichloropropane	570	58	575.5	0	99.3	83.6	110	597.4	4.43	18.1	
1,3,5-Trimethylbenzene	600	58	575.5	0	105	44.6	174	599.7	0.287	19.2	
1,3-Dichlorobenzene	580	58	575.5	0	100	84.7	119	591.1	2.66	22.5	
1,3-Dichloropropane	600	58	575.5	0	104	86.2	113	599.1	0.578	17.2	
1,4-Dichlorobenzene	590	58	575.5	0	103	85.2	111	589.9	0.777	16.2	
2,2-Dichloropropane	400	58	575.5	0	68.8	40	108	408.1	3.01	16	
2-Chloroethyl vinyl ether	550	580	575.5	0	96.0	82	114	553.1	0	18.4	J
2-Chlorotoluene	600	58	575.5	0	104	75.7	126	594.5	0.386	17.2	
2-Hexanone	530	2,900	575.5	0	91.7	51.3	170	480.6	0	40	J
2-Methylnaphthalene	520	290	575.5	0	90.5	75.2	127	447.8	15.1	26.8	
2-Nitropropane	400	230	4,029	0	9.84	70	130	339.0	15.6	56.4	S
4-Chlorotoluene	590	58	575.5	0	102	79.6	130	599.1	1.84	35.6	
Acetone	600	2,900	575.5	0	104	77.5	159	570.9	0	40	J
Acrylonitrile	540	290	575.5	0	94.5	64.8	137	516.8	5.10	24.5	
Benzene	600	35	575.5	0	104	52.5	136	586.5	2.14	13.5	

Qualifiers:
E Value above quantitation range
H Holding times for preparation or analysis exceeded
J Analyte detected below quantitation lin
M Manual Integration used to determine area response
ND Not Detected at the Reporting Limit
R RPD outside accepted recovery limits
RL Reporting Detection Limit
S Spike Recovery outside accepted recovery limits

CLIENT: PSC Environmental Services
Work Order: 0804091
Project: Chemfuel

QC SUMMARY REPORT

TestCode: SW_8260S

Sample ID: **0804160-004A MSD** SampType: **MSD** TestCode: **SW_8260S** Units: **µg/Kg-dry** Prep Date: RunNo: **20006**
Client ID: **ZZZZZZ** Batch ID: **R20006** TestNo: **SW8260B** Analysis Date: **4/9/2008** SeqNo: **323092**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Bromobenzene	580	58	575.5	0	101	84.7	114	594.0	2.45	19.6	
Bromochloromethane	600	58	575.5	0	105	83.1	118	611.8	1.61	17	
Bromodichloromethane	580	58	575.5	0	101	60.9	129	572.7	1.30	18.3	
Bromoform	450	58	575.5	0	78.7	77.4	111	413.2	9.17	16.4	
Bromomethane	620	290	575.5	0	108	63.1	189	716.6	14.4	40.4	
Carbon disulfide	540	290	575.5	0	93.3	65.3	113	522.0	2.83	22	
Carbon tetrachloride	570	58	575.5	0	98.2	69.7	116	577.3	2.12	21	
Chlorobenzene	600	58	575.5	0	104	80.9	120	609.5	1.81	16	
Chloroethane	830	290	575.5	0	145	79.8	154	819.0	1.74	28.2	
Chloroform	610	58	575.5	0	106	80.7	112	616.4	1.22	14.7	
Chloromethane	470	58	575.5	0	81.5	36.2	126	482.9	2.90	33.6	
cis-1,2-Dichloroethene	500	58	575.5	0	87.5	65.6	111	526.0	4.36	24.9	
cis-1,3-Dichloropropene	540	58	575.5	0	93.5	76.4	112	533.5	0.859	18.7	
Dibromochloromethane	590	58	575.5	0	102	81.3	110	574.4	1.89	19.4	
Dibromomethane	590	58	575.5	0	102	87.9	118	583.6	0.590	15.2	
Dichlorodifluoromethane	420	58	575.5	0	73.8	27.1	121	440.3	3.59	34.1	
Dichloromethane	630	290	575.5	49.50	101	65	121	620.4	1.75	31.8	
Diethyl ether	550	290	575.5	0	95.4	88.2	110	546.2	0.525	21.2	
Ethyl methacrylate	570	58	575.5	0	98.7	72.1	128	546.2	3.93	18.3	
Ethylbenzene	620	58	575.5	0	107	82.3	119	614.1	0.468	15.5	
Ethylene dibromide	570	58	575.5	0	99.6	89.2	115	584.8	1.99	17.6	
Hexachlorobutadiene	550	290	575.5	0	95.8	69.8	144	539.3	2.22	24	
Hexachloroethane	440	58	575.5	0	77.3	27.8	139	418.4	6.13	15.7	
Isopropyl ether	600	290	575.5	0	104	76.7	117	599.7	0.0960	15.4	
Isopropylbenzene	640	58	575.5	0	110	77.3	131	624.5	1.74	15.9	
m,p-Xylene	1,200	120	1,151	0	108	80.2	120	1,225	1.35	17.3	
Methyl ethyl ketone	500	290	575.5	47.77	78.4	61	126	509.4	2.05	34	
Methyl Iodide	470	290	575.5	0	82.2	70	130	398.3	17.2	25	
Methyl isobutyl ketone	540	580	575.5	0	94.5	59	146	516.3	0	33.7	J
Methyl tert-butyl ether	1,200	290	1,151	0	108	81.2	116	1,197	4.05	17.5	
Naphthalene	550	290	575.5	0	96.3	86.9	133	487.5	12.8	17.1	

Qualifiers:
E Value above quantitation range
H Holding times for preparation or analysis exceeded
J Analyte detected below quantitation lin
M Manual Integration used to determine area response
ND Not Detected at the Reporting Limit
R RPD outside accepted recovery limits
RL Reporting Detection Limit
S Spike Recovery outside accepted recovery limits

CLIENT: PSC Environmental Services
Work Order: 0804091
Project: Chemfuel

QC SUMMARY REPORT

TestCode: SW_8260S

Sample ID: **0804160-004A MSD** SampType: **MSD** TestCode: **SW_8260S** Units: **µg/Kg-dry** Prep Date: RunNo: **20006**
Client ID: **ZZZZZZ** Batch ID: **R20006** TestNo: **SW8260B** Analysis Date: **4/9/2008** SeqNo: **323092**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
n-Butylbenzene	540	58	575.5	0	93.2	67.8	125	528.4	1.51	22.4	
n-Propylbenzene	600	58	575.5	0	105	80.9	125	598.6	0.862	16.5	
o-Xylene	610	58	575.5	0	107	71.1	130	599.7	2.37	16	
p-Isopropyltoluene	560	58	575.5	0	97.8	50.1	163	560.6	0.410	19.2	
sec-Butylbenzene	580	58	575.5	0	101	71.3	139	572.7	1.60	18.8	
Styrene	600	58	575.5	0	105	87.8	123	599.7	0.383	16	
t-Butyl alcohol	4,400	2,300	2,878	0	151	70	130	4,429	1.74	17.1	S
tert-Amyl Methyl Ether	600	230	575.5	0	104	78.9	111	574.4	4.51	14.3	
tert-Butyl Ethyl Ether	620	290	575.5	0	107	69.9	132	601.4	2.74	30.6	
tert-Butylbenzene	580	58	575.5	0	101	80.7	119	576.1	0.598	19.2	
Tetrachloroethene	610	58	575.5	0	106	42.7	186	603.2	1.23	41.2	
Toluene	610	58	575.5	0	106	81.9	119	622.7	2.43	16.2	
trans-1,2-Dichloroethene	590	58	575.5	0	103	75.7	115	582.5	1.28	17.1	
trans-1,3-Dichloropropene	540	58	575.5	0	93.2	75.7	111	537.6	0.214	19.3	
trans-1,4-Dichloro-2-butene	450	58	575.5	0	78.4	52.9	136	438.6	2.85	17	
Trichloroethene	590	58	575.5	0	103	78.2	120	600.9	1.84	19	
Trichlorofluoromethane	560	58	575.5	0	97.9	70	130	546.2	3.11	25	
Vinyl chloride	520	46	575.5	0	90.3	37.5	128	515.7	0.778	33.3	
Xylenes, Total	1,900	170	1,727	0	107	62.1	143	1,824	1.69	16.5	
Surr: 4-Bromofluorobenzene	2,900		2,878		99.6	95.9	130		0	25	
Surr: Dibromofluoromethane	2,900		2,878		99.6	90.4	111		0	25	
Surr: Toluene-d8	2,900		2,878		100	100	116		0	25	

Qualifiers:

E	Value above quantitation range	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation lir
M	Manual Integration used to determine area response	ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits
RL	Reporting Detection Limit	S	Spike Recovery outside accepted recovery limits		

CLIENT: PSC Environmental Services
Work Order: 0804091
Project: Chemfuel

QC SUMMARY REPORT

TestCode: SW_8315S

Sample ID: **0804091-001ams**	SampType: **ms**	TestCode: **sw_8315s**	Units: **µg/Kg**	Prep Date:	RunNo: **20060**
Client ID: **Chemfuel Composit**	Batch ID: **R20060**	TestNo: **SW8315A**		Analysis Date: **4/11/2008**	SeqNo: **323946**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Formaldehyde	870,000	10,000	500,000	609,400	52.1	75	125				S

Sample ID: **0804091-001amsd**	SampType: **msd**	TestCode: **sw_8315s**	Units: **µg/Kg**	Prep Date:	RunNo: **20060**
Client ID: **Chemfuel Composit**	Batch ID: **R20060**	TestNo: **SW8315A**		Analysis Date: **4/11/2008**	SeqNo: **323948**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Formaldehyde	1,000,000	10,000	500,000	609,400	77.9	75	125	869,900	13.8	25	

Sample ID: **lcs-10559**	SampType: **lcs**	TestCode: **sw_8315s**	Units: **µg/Kg**	Prep Date:	RunNo: **20060**
Client ID: **LCSW**	Batch ID: **R20060**	TestNo: **SW8315A**		Analysis Date: **4/11/2008**	SeqNo: **323950**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Formaldehyde	470,000	10,000	500,000	0	93.5	85	115				

Sample ID: **mb-10559**	SampType: **mblk**	TestCode: **sw_8315s**	Units: **µg/Kg**	Prep Date:	RunNo: **20060**
Client ID: **PBW**	Batch ID: **R20060**	TestNo: **SW8315A**		Analysis Date: **4/11/2008**	SeqNo: **323951**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Formaldehyde	ND	10,000									

Qualifiers:

E	Value above quantitation range	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation lir
M	Manual Integration used to determine area response	ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits
RL	Reporting Detection Limit	S	Spike Recovery outside accepted recovery limits		

RTI LABORATORIES, INC.

31628 Glendale St.
Livonia, Michigan 48150
TEL: 734.422.8000
FAX: 734.422.5342
Website: www.rtilab.com

May 16, 2008

Jeffrey Davis
PSC Environmental Services
515 Lycaste St
Detroit, MI 48214-3473

TEL: (313) 824-5303
FAX (313) 824-5865

RE: Chemfuel

Order No.: 0805133

Dear Jeffrey Davis:

RTI Laboratories received 1 sample(s) on 5/5/2008 for the analyses presented in the following report.

There were no problems with the analytical events associated with this report unless noted in the Case Narrative. Analytical results designated with a "J" qualifier are estimated and represent a detection above the Method Detection Limit (MDL) and less than the Reporting Limit (PQL). These analytes are not reviewed nor narrated as to whether they are laboratory artifacts.

Quality control data is within laboratory defined or method specified acceptance limits except if noted.

If you have any questions regarding these tests results, please feel free to call.

Sincerely,

Robert Lynch
Manager, Environmental Services
31628 Glendale St.
Livonia, Michigan 48150

RTI LABORATORIES, INC.

31628 Glendale St.
Livonia, Michigan 48150
TEL: 734.422.8000
FAX: 734.422.5342
Website: www.rtilab.com

Case Narrative

WO#: **0805133**
Date: **5/16/2008**

CLIENT: PSC Environmental Services
Project: Chemfuel

This report in its entirety consists of the documents listed below. All documents contain the RTI Work Order Number assigned to this report.

1. Paginated Report including: Case Narrative, Analytical Results and Applicable Quality Control Summary Reports.

2. A Cover Letter that immediately precedes the Paginated Report.

3. Paginated copies of the Chain of Custody Documents supplied with this sample set.

Concentrations reported with a J flag in the Qual field are values below the reporting limit (RL) but greater than the established method detection limit (MDL). There is greater uncertainty associated with these results and data should be considered as estimated.

Concentrations reported with an E flag in the Qual field are values that exceed the upper quantification range. There is greater uncertainty associated with these results and data should be considered as estimated.

Any comments or problems with the analytical events associated with this report are noted below.

RTI LABORATORIES, INC.

31628 Glendale St.
Livonia, Michigan 48150
TEL: 734.422.8000
FAX: 734.422.5342
Website: www.rtilab.com

Analytical Report

(consolidated)

WO#: **0805133**

Date Reported: **5/16/2008**

CLIENT: PSC Environmental Services **Collection Date:** 5/1/2008

Project: Chemfuel

Lab ID: 0805133-001 **Matrix:** LIQUID

Client Sample ID April Chemfuel Comp

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
NONHALOGENATED ORGANICS, GC/FID				**SW8015B**		Analyst: **MB**
1-Butanol	7,300	100		mg/Kg	10	5/9/2008 1:12:06 AM
1-Propanol	ND	100		mg/Kg	10	5/9/2008 1:12:06 AM
2-Ethoxyethanol	ND	100		mg/Kg	10	5/9/2008 1:12:06 AM
2-Methoxyethanol	ND	100		mg/Kg	10	5/9/2008 1:12:06 AM
2-Methyl-1-propanol	810	100		mg/Kg	10	5/9/2008 1:12:06 AM
2-Propanol	73,000	1,000		mg/Kg	100	5/9/2008 1:38:44 AM
Cyclohexanone	810	100		mg/Kg	10	5/9/2008 1:12:06 AM
Ethanol	36,000	1,000		mg/Kg	100	5/9/2008 1:38:44 AM
Ethyl acetate	ND	100		mg/Kg	10	5/9/2008 1:12:06 AM
Ethylene glycol	170	10		mg/Kg	10	5/13/2008 10:37:48 PM
Methanol	150,000	1,000		mg/Kg	100	5/9/2008 1:38:44 AM
Propylene glycol	38	10		mg/Kg	10	5/13/2008 10:37:48 PM
ALDEHYDES AND KETONES				**SW8315A**		Analyst: **MB**
Formaldehyde	140,000	10,000	H	µg/Kg	1	5/12/2008 2:40:48 PM
EPA METHOD 24 VOC CONTENT				**EPA24**		Analyst: **MW**
Density, 24°C	7.68	0		lbs/gal	1	5/9/2008
NVR	21.5	0		%	1	5/9/2008
VOC Content (less water)	5.84	0		lbs/gal	1	5/9/2008
Water	8.16	0		%	1	5/9/2008
MERCURY				**SW7471A**		Analyst: **AB2**
Mercury	42	21		µg/Kg	1	5/8/2008 1:32:24 PM
VOLATILE ORGANIC COMPOUNDS				**SW8260B**		Analyst: **MT3**
1,1,1,2-Tetrachloroethane	ND	1,000,000		µg/Kg	1000000	5/8/2008 11:17:00 PM
1,1,1-Trichloroethane	ND	1,000,000		µg/Kg	1000000	5/8/2008 11:17:00 PM
1,1,2,2-Tetrachloroethane	ND	1,000,000		µg/Kg	1000000	5/8/2008 11:17:00 PM
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	1,000,000		µg/Kg	1000000	5/8/2008 11:17:00 PM

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	M	Manual Integration used to determine area response
ND	Not Detected at the Reporting Limit	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits		

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Analytical Report

(consolidated)

WO#: **0805133**

Date Reported: **5/16/2008**

CLIENT: PSC Environmental Services **Collection Date:** 5/1/2008

Project: Chemfuel

Lab ID: 0805133-001 **Matrix:** LIQUID

Client Sample ID April Chemfuel Comp

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS				**SW8260B**		Analyst: **MT3**
1,1,2-Trichloroethane	ND	1,000,000		µg/Kg	1000000	5/8/2008 11:17:00 PM
1,1-Dichloroethane	ND	1,000,000		µg/Kg	1000000	5/8/2008 11:17:00 PM
1,1-Dichloroethene	ND	1,000,000		µg/Kg	1000000	5/8/2008 11:17:00 PM
1,1-Dichloropropene	ND	1,000,000		µg/Kg	1000000	5/8/2008 11:17:00 PM
1,2,3-Trichlorobenzene	ND	1,000,000		µg/Kg	1000000	5/8/2008 11:17:00 PM
1,2,3-Trichloropropane	ND	1,000,000		µg/Kg	1000000	5/8/2008 11:17:00 PM
1,2,3-Trimethylbenzene	610,000	1,000,000	J	µg/Kg	1000000	5/8/2008 11:17:00 PM
1,2,4-Trichlorobenzene	ND	5,000,000		µg/Kg	1000000	5/8/2008 11:17:00 PM
1,2,4-Trimethylbenzene	3,200,000	1,000,000		µg/Kg	1000000	5/8/2008 11:17:00 PM
1,2-Dibromo-3-chloropropane	ND	5,000,000		µg/Kg	1000000	5/8/2008 11:17:00 PM
1,2-Dichlorobenzene	ND	1,000,000		µg/Kg	1000000	5/8/2008 11:17:00 PM
1,2-Dichloroethane	ND	1,000,000		µg/Kg	1000000	5/8/2008 11:17:00 PM
1,2-Dichloropropane	ND	1,000,000		µg/Kg	1000000	5/8/2008 11:17:00 PM
1,3,5-Trimethylbenzene	1,000,000	1,000,000		µg/Kg	1000000	5/8/2008 11:17:00 PM
1,3-Dichlorobenzene	ND	1,000,000		µg/Kg	1000000	5/8/2008 11:17:00 PM
1,3-Dichloropropane	ND	1,000,000		µg/Kg	1000000	5/8/2008 11:17:00 PM
1,4-Dichlorobenzene	ND	1,000,000		µg/Kg	1000000	5/8/2008 11:17:00 PM
2,2-Dichloropropane	ND	1,000,000		µg/Kg	1000000	5/8/2008 11:17:00 PM
2-Chloroethyl vinyl ether	ND	10,000,000		µg/Kg	1000000	5/8/2008 11:17:00 PM
2-Chlorotoluene	ND	1,000,000		µg/Kg	1000000	5/8/2008 11:17:00 PM
2-Hexanone	ND	50,000,000		µg/Kg	1000000	5/8/2008 11:17:00 PM
2-Methylnaphthalene	ND	5,000,000		µg/Kg	1000000	5/8/2008 11:17:00 PM
2-Nitropropane	ND	4,000,000		µg/Kg	1000000	5/8/2008 11:17:00 PM
4-Chlorotoluene	ND	1,000,000		µg/Kg	1000000	5/8/2008 11:17:00 PM
Acetone	12,000,000	50,000,000	J	µg/Kg	1000000	5/8/2008 11:17:00 PM
Acrylonitrile	ND	5,000,000		µg/Kg	1000000	5/8/2008 11:17:00 PM
Benzene	ND	600,000		µg/Kg	1000000	5/8/2008 11:17:00 PM
Bromobenzene	ND	1,000,000		µg/Kg	1000000	5/8/2008 11:17:00 PM
Bromochloromethane	ND	1,000,000		µg/Kg	1000000	5/8/2008 11:17:00 PM
Bromodichloromethane	ND	1,000,000		µg/Kg	1000000	5/8/2008 11:17:00 PM
Bromoform	ND	1,000,000		µg/Kg	1000000	5/8/2008 11:17:00 PM
Bromomethane	ND	5,000,000		µg/Kg	1000000	5/8/2008 11:17:00 PM
Carbon disulfide	ND	5,000,000		µg/Kg	1000000	5/8/2008 11:17:00 PM
Carbon tetrachloride	ND	1,000,000		µg/Kg	1000000	5/8/2008 11:17:00 PM

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	M	Manual Integration used to determine area response
ND	Not Detected at the Reporting Limit	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits		

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Analytical Report

(consolidated)

WO#: **0805133**

Date Reported: **5/16/2008**

CLIENT: PSC Environmental Services **Collection Date:** 5/1/2008

Project: Chemfuel

Lab ID: 0805133-001 **Matrix:** LIQUID

Client Sample ID April Chemfuel Comp

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS				**SW8260B**		Analyst: **MT3**
Chlorobenzene	ND	1,000,000		µg/Kg	1000000	5/8/2008 11:17:00 PM
Chloroethane	ND	5,000,000		µg/Kg	1000000	5/8/2008 11:17:00 PM
Chloroform	630,000	1,000,000	J	µg/Kg	1000000	5/8/2008 11:17:00 PM
Chloromethane	ND	1,000,000		µg/Kg	1000000	5/8/2008 11:17:00 PM
cis-1,2-Dichloroethene	ND	1,000,000		µg/Kg	1000000	5/8/2008 11:17:00 PM
cis-1,3-Dichloropropene	ND	1,000,000		µg/Kg	1000000	5/8/2008 11:17:00 PM
Dibromochloromethane	ND	1,000,000		µg/Kg	1000000	5/8/2008 11:17:00 PM
Dibromomethane	ND	1,000,000		µg/Kg	1000000	5/8/2008 11:17:00 PM
Dichlorodifluoromethane	ND	1,000,000		µg/Kg	1000000	5/8/2008 11:17:00 PM
Dichloromethane	2,800,000	5,000,000	J	µg/Kg	1000000	5/8/2008 11:17:00 PM
Diethyl ether	ND	5,000,000		µg/Kg	1000000	5/8/2008 11:17:00 PM
Ethyl methacrylate	ND	1,000,000		µg/Kg	1000000	5/8/2008 11:17:00 PM
Ethylbenzene	19,000,000	1,000,000		µg/Kg	1000000	5/8/2008 11:17:00 PM
Ethylene dibromide	ND	1,000,000		µg/Kg	1000000	5/8/2008 11:17:00 PM
Hexachlorobutadiene	ND	5,000,000		µg/Kg	1000000	5/8/2008 11:17:00 PM
Hexachloroethane	ND	1,000,000		µg/Kg	1000000	5/8/2008 11:17:00 PM
Isopropyl ether	ND	5,000,000		µg/Kg	1000000	5/8/2008 11:17:00 PM
Isopropylbenzene	470,000	1,000,000	J	µg/Kg	1000000	5/8/2008 11:17:00 PM
m,p-Xylene	71,000,000	2,000,000		µg/Kg	1000000	5/8/2008 11:17:00 PM
Methyl ethyl ketone	6,600,000	5,000,000		µg/Kg	1000000	5/8/2008 11:17:00 PM
Methyl Iodide	ND	5,000,000		µg/Kg	1000000	5/8/2008 11:17:00 PM
Methyl isobutyl ketone	1,000,000	10,000,000	J	µg/Kg	1000000	5/8/2008 11:17:00 PM
Methyl tert-butyl ether	ND	5,000,000		µg/Kg	1000000	5/8/2008 11:17:00 PM
Naphthalene	ND	5,000,000		µg/Kg	1000000	5/8/2008 11:17:00 PM
n-Butylbenzene	ND	1,000,000		µg/Kg	1000000	5/8/2008 11:17:00 PM
n-Propylbenzene	690,000	1,000,000	J	µg/Kg	1000000	5/8/2008 11:17:00 PM
o-Xylene	9,800,000	1,000,000		µg/Kg	1000000	5/8/2008 11:17:00 PM
p-Isopropyltoluene	ND	1,000,000		µg/Kg	1000000	5/8/2008 11:17:00 PM
sec-Butylbenzene	ND	1,000,000		µg/Kg	1000000	5/8/2008 11:17:00 PM
Styrene	ND	1,000,000		µg/Kg	1000000	5/8/2008 11:17:00 PM
t-Butyl alcohol	ND	40,000,000		µg/Kg	1000000	5/8/2008 11:17:00 PM
tert-Amyl Methyl Ether	ND	4,000,000		µg/Kg	1000000	5/8/2008 11:17:00 PM
tert-Butyl Ethyl Ether	ND	5,000,000		µg/Kg	1000000	5/8/2008 11:17:00 PM
tert-Butylbenzene	ND	1,000,000		µg/Kg	1000000	5/8/2008 11:17:00 PM

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	M	Manual Integration used to determine area response
ND	Not Detected at the Reporting Limit	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits		

RTI LABORATORIES, INC.

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Livonia, Michigan 48150
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Analytical Report

(consolidated)

WO#: **0805133**

Date Reported: **5/16/2008**

CLIENT: PSC Environmental Services **Collection Date:** 5/1/2008

Project: Chemfuel

Lab ID: 0805133-001 **Matrix:** LIQUID

Client Sample ID April Chemfuel Comp

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS				**SW8260B**		Analyst: **MT3**
Tetrachloroethene	ND	1,000,000		µg/Kg	1000000	5/8/2008 11:17:00 PM
Toluene	53,000,000	1,000,000		µg/Kg	1000000	5/8/2008 11:17:00 PM
trans-1,2-Dichloroethene	ND	1,000,000		µg/Kg	1000000	5/8/2008 11:17:00 PM
trans-1,3-Dichloropropene	ND	1,000,000		µg/Kg	1000000	5/8/2008 11:17:00 PM
trans-1,4-Dichloro-2-butene	ND	1,000,000		µg/Kg	1000000	5/8/2008 11:17:00 PM
Trichloroethene	ND	1,000,000		µg/Kg	1000000	5/8/2008 11:17:00 PM
Trichlorofluoromethane	ND	1,000,000		µg/Kg	1000000	5/8/2008 11:17:00 PM
Vinyl chloride	ND	800,000		µg/Kg	1000000	5/8/2008 11:17:00 PM
Xylenes, Total	81,000,000	3,000,000		µg/Kg	1000000	5/8/2008 11:17:00 PM
Surr: 4-Bromofluorobenzene	103	90-115		%REC	1000000	5/8/2008 11:17:00 PM
Surr: Dibromofluoromethane	99.6	88.4-108		%REC	1000000	5/8/2008 11:17:00 PM
Surr: Toluene-d8	100	90-112		%REC	1000000	5/8/2008 11:17:00 PM

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	M	Manual Integration used to determine area response
ND	Not Detected at the Reporting Limit	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits		

Lab Order: 0805133
Client: PSC Environmental Services
Project: Chemfuel

DATES REPORT

Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	TCLP Date	Prep Date	Analysis Date
0805133-001A	April Chemfuel Comp	5/1/2008	Liquid	Aldehydes and Ketones		5/9/2008	5/12/2008
				EPA Method 24 VOC Content		5/8/2008	5/9/2008
				Mercury		5/8/2008	5/8/2008
				Nonhalogenated Organics, GC/FID			5/9/2008
				Nonhalogenated Organics, GC/FID			5/9/2008
				Nonhalogenated Organics, GC/FID			5/13/2008
				Volatile Organic Compounds			5/8/2008

CLIENT: PSC Environmental Services
Work Order: 0805133
Project: Chemfuel

QC SUMMARY REPORT

TestCode: EPA-24

Sample ID: **0805133-001ADUP** SampType: **DUP** TestCode: **EPA-24** Units: **lbs/gal** Prep Date: **5/8/2008** RunNo: **20670**
Client ID: **April Chemfuel Com** Batch ID: **R20670** TestNo: **EPA24** Analysis Date: **5/9/2008** SeqNo: **334291**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Density, 24°C	7.68	0						7.682	0.0130	0	
NVR	21.9	0						21.51	1.80	0	
VOC Content (less water)	5.80	0						5.844	0.704	0	
Water	8.53	0						8.160	4.43	0	

Sample ID: **0805143-002ADUP** SampType: **DUP** TestCode: **EPA-24** Units: **lbs/gal** Prep Date: **5/8/2008** RunNo: **20670**
Client ID: **ZZZZZZ** Batch ID: **R20670** TestNo: **EPA24** Analysis Date: **5/9/2008** SeqNo: **334294**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Density, 24°C	6.77	0						6.774	0.00148	0	
NVR	42.1	0						43.24	2.65	0	
VOC Content (less water)	3.92	0						3.845	1.96	0	
Water	ND	0						0	0	0	

Qualifiers:

E	Value above quantitation range	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation lin
M	Manual Integration used to determine area response	ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits
RL	Reporting Detection Limit	S	Spike Recovery outside accepted recovery limits		

CLIENT: PSC Environmental Services
Work Order: 0805133
Project: Chemfuel

QC SUMMARY REPORT

TestCode: SW_7471S

Sample ID: **MB-10900**	SampType: **MBLK**	TestCode: **SW_7471S**	Units: **µg/Kg**	Prep Date: **5/8/2008**	RunNo: **20626**
Client ID: **PBS**	Batch ID: **10900**	TestNo: **SW7471A**		Analysis Date: **5/8/2008**	SeqNo: **333719**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	ND	23									

Sample ID: **LCS-10900**	SampType: **LCS**	TestCode: **SW_7471S**	Units: **µg/Kg**	Prep Date: **5/8/2008**	RunNo: **20626**
Client ID: **LCSS**	Batch ID: **10900**	TestNo: **SW7471A**		Analysis Date: **5/8/2008**	SeqNo: **333720**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	87	21	86.21	0	101	80	120				

Sample ID: **0805141-002AMS**	SampType: **MS**	TestCode: **SW_7471S**	Units: **µg/Kg**	Prep Date: **5/8/2008**	RunNo: **20626**
Client ID: **ZZZZZZ**	Batch ID: **10900**	TestNo: **SW7471A**		Analysis Date: **5/8/2008**	SeqNo: **333722**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	68	22	90.91	0	74.8	75	125				S

Sample ID: **0805141-002AMSD**	SampType: **MSD**	TestCode: **SW_7471S**	Units: **µg/Kg**	Prep Date: **5/8/2008**	RunNo: **20626**
Client ID: **ZZZZZZ**	Batch ID: **10900**	TestNo: **SW7471A**		Analysis Date: **5/8/2008**	SeqNo: **333723**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	88	23	94.34	0	92.9	75	125	67.99	25.3	20	R

Qualifiers:

E	Value above quantitation range	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation lir
M	Manual Integration used to determine area response	ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits
RL	Reporting Detection Limit	S	Spike Recovery outside accepted recovery limits		

CLIENT: PSC Environmental Services
Work Order: 0805133
Project: Chemfuel

QC SUMMARY REPORT

TestCode: SW_8015S

Sample ID: **lcs**	SampType: **lcs**	TestCode: **sw_8015s**	Units: **mg/Kg**	Prep Date:	RunNo: **20752**
Client ID: **LCSS**	Batch ID: **R20752**	TestNo: **SW8015B**		Analysis Date: **5/13/2008**	SeqNo: **335933**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Ethylene glycol	93	5.0	100.0	0	93.2	70	130				
Propylene glycol	93	5.0	100.0	0	92.6	70	130				

Sample ID: **lcsd**	SampType: **lcsd**	TestCode: **sw_8015s**	Units: **mg/Kg**	Prep Date:	RunNo: **20752**
Client ID: **LCSS02**	Batch ID: **R20752**	TestNo: **SW8015B**		Analysis Date: **5/13/2008**	SeqNo: **335934**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Ethylene glycol	95	5.0	100.0	0	94.9	70	130	93.17	1.88	25	
Propylene glycol	98	5.0	100.0	0	97.9	70	130	92.63	5.58	25	

Sample ID: **mb**	SampType: **mblk**	TestCode: **sw_8015s**	Units: **mg/Kg**	Prep Date:	RunNo: **20752**
Client ID: **PBS**	Batch ID: **R20752**	TestNo: **SW8015B**		Analysis Date: **5/13/2008**	SeqNo: **335935**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Ethylene glycol	ND	5.0									
Propylene glycol	ND	5.0									

Sample ID: **lcs**	SampType: **lcs**	TestCode: **sw_8015s**	Units: **mg/Kg**	Prep Date:	RunNo: **20802**
Client ID: **LCSS**	Batch ID: **R20802**	TestNo: **SW8015B**		Analysis Date: **5/8/2008**	SeqNo: **336788**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1-Butanol	230	10	250.0	0	93.0	70	130				
1-Propanol	240	10	250.0	0	95.5	70	130				
2-Ethoxyethanol	510	10	500.0	0	103	70	130				
2-Methoxyethanol	240	10	250.0	0	95.6	70	130				
2-Methyl-1-propanol	250	10	250.0	0	98.8	70	130				
2-Propanol	250	10	250.0	0	99.5	70	130				
Cyclohexanone	510	10	500.0	0	103	70	130				
Ethanol	290	10	250.0	0	114	70	130				
Ethyl acetate	210	10	250.0	0	85.0	70	130				

Qualifiers:

E	Value above quantitation range	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation lir
M	Manual Integration used to determine area response	ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits
RL	Reporting Detection Limit	S	Spike Recovery outside accepted recovery limits		

CLIENT: PSC Environmental Services
Work Order: 0805133
Project: Chemfuel

QC SUMMARY REPORT

TestCode: SW_8015S

Sample ID: **lcs**	SampType: **lcs**	TestCode: **sw_8015s**	Units: **mg/Kg**	Prep Date:	RunNo: **20802**
Client ID: **LCSS**	Batch ID: **R20802**	TestNo: **SW8015B**		Analysis Date: **5/8/2008**	SeqNo: **336788**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Methanol	210	10	250.0	0	84.5	70	130				

Sample ID: **lcsd**	SampType: **lcsd**	TestCode: **sw_8015s**	Units: **mg/Kg**	Prep Date:	RunNo: **20802**
Client ID: **LCSS02**	Batch ID: **R20802**	TestNo: **SW8015B**		Analysis Date: **5/8/2008**	SeqNo: **336790**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1-Butanol	240	10	250.0	0	95.9	70	130	232.4	3.12	25	
1-Propanol	220	10	250.0	0	88.1	70	130	238.6	8.03	25	
2-Ethoxyethanol	490	10	500.0	0	97.1	70	130	512.6	5.48	25	
2-Methoxyethanol	200	10	250.0	0	79.1	70	130	239.1	18.9	25	
2-Methyl-1-propanol	200	10	250.0	0	80.3	70	130	247.1	20.7	25	
2-Propanol	240	10	250.0	0	98.0	70	130	248.8	1.56	25	
Cyclohexanone	490	10	500.0	0	97.1	70	130	512.6	5.48	25	
Ethanol	300	10	250.0	0	119	70	130	285.8	4.16	25	
Ethyl acetate	220	10	250.0	0	87.7	70	130	212.4	3.22	25	
Methanol	250	10	250.0	0	101	70	130	211.3	18.0	25	

Sample ID: **mblk**	SampType: **mblk**	TestCode: **sw_8015s**	Units: **mg/Kg**	Prep Date:	RunNo: **20802**
Client ID: **PBS**	Batch ID: **R20802**	TestNo: **SW8015B**		Analysis Date: **5/9/2008**	SeqNo: **336814**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1-Butanol	ND	10									
1-Propanol	ND	10									
2-Ethoxyethanol	ND	10									
2-Methoxyethanol	ND	10									
2-Methyl-1-propanol	ND	10									
2-Propanol	ND	10									
Cyclohexanone	ND	10									
Ethanol	ND	10									
Ethyl acetate	ND	10									
Methanol	ND	10									

Qualifiers:

E	Value above quantitation range	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation lir
M	Manual Integration used to determine area response	ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits
RL	Reporting Detection Limit	S	Spike Recovery outside accepted recovery limits		

CLIENT: PSC Environmental Services
Work Order: 0805133
Project: Chemfuel

QC SUMMARY REPORT

TestCode: SW_8260S

Sample ID: **10ug/KG LCS 10uL** SampType: **LCS** TestCode: **SW_8260S** Units: **µg/Kg** Prep Date: RunNo: **20662**
Client ID: **LCSS** Batch ID: **R20662** TestNo: **SW8260B** Analysis Date: **5/8/2008** SeqNo: **334118**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	500	50	500.0	0	99.2	70	130				
1,1,1-Trichloroethane	510	50	500.0	0	101	70	130				
1,1,2,2-Tetrachloroethane	530	50	500.0	0	105	70	130				
1,1,2-Trichloro-1,2,2-trifluoroethane	510	50	500.0	0	102	70	130				
1,1,2-Trichloroethane	480	50	500.0	0	96.7	70	130				
1,1-Dichloroethane	530	50	500.0	0	106	70	130				
1,1-Dichloroethene	500	50	500.0	0	101	70	130				
1,1-Dichloropropene	530	50	500.0	0	106	70	130				
1,2,3-Trichlorobenzene	540	50	500.0	0	108	70	130				
1,2,3-Trichloropropane	460	50	500.0	0	92.8	70	130				
1,2,3-Trimethylbenzene	510	50	500.0	0	103	70	130				
1,2,4-Trichlorobenzene	540	250	500.0	0	108	70	130				
1,2,4-Trimethylbenzene	530	50	500.0	0	105	70	130				
1,2-Dibromo-3-chloropropane	470	250	500.0	0	93.0	70	130				
1,2-Dichlorobenzene	520	50	500.0	0	105	70	130				
1,2-Dichloroethane	520	50	500.0	0	104	70	130				
1,2-Dichloropropane	530	50	500.0	0	106	70	130				
1,3,5-Trimethylbenzene	530	50	500.0	0	106	70	130				
1,3-Dichlorobenzene	500	50	500.0	0	101	70	130				
1,3-Dichloropropane	520	50	500.0	0	105	70	130				
1,4-Dichlorobenzene	530	50	500.0	0	106	70	130				
2,2-Dichloropropane	410	50	500.0	0	82.7	70	130				
2-Chloroethyl vinyl ether	490	500	500.0	0	98.2	70	130				J
2-Chlorotoluene	530	50	500.0	0	106	70	130				
2-Hexanone	490	2,500	500.0	0	97.4	70	130				J
2-Methylnaphthalene	570	250	500.0	0	115	70	130				
2-Nitropropane	440	200	500.0	0	89.0	70	130				
4-Chlorotoluene	530	50	500.0	0	106	70	130				
Acetone	900	2,500	500.0	0	180	70	130				JS
Acrylonitrile	510	250	500.0	0	103	70	130				
Benzene	530	30	500.0	0	106	70	130				

Qualifiers:
E Value above quantitation range
H Holding times for preparation or analysis exceeded
J Analyte detected below quantitation lir
M Manual Integration used to determine area response
ND Not Detected at the Reporting Limit
R RPD outside accepted recovery limits
RL Reporting Detection Limit
S Spike Recovery outside accepted recovery limits

CLIENT: PSC Environmental Services
Work Order: 0805133
Project: Chemfuel

QC SUMMARY REPORT

TestCode: SW_8260S

Sample ID: **10ug/KG LCS 10uL** SampType: **LCS** TestCode: **SW_8260S** Units: **µg/Kg** Prep Date: RunNo: **20662**
Client ID: **LCSS** Batch ID: **R20662** TestNo: **SW8260B** Analysis Date: **5/8/2008** SeqNo: **334118**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Bromobenzene	520	50	500.0	0	104	70	130				
Bromochloromethane	520	50	500.0	0	105	70	130				
Bromodichloromethane	500	50	500.0	0	99.0	70	130				
Bromoform	480	50	500.0	0	96.2	70	130				
Bromomethane	550	250	500.0	0	110	70	130				
Carbon disulfide	550	250	500.0	0	110	70	130				
Carbon tetrachloride	500	50	500.0	0	101	70	130				
Chlorobenzene	520	50	500.0	0	104	70	130				
Chloroethane	550	250	500.0	0	110	70	130				
Chloroform	530	50	500.0	0	105	70	130				
Chloromethane	510	50	500.0	0	102	70	130				
cis-1,2-Dichloroethene	520	50	500.0	0	103	70	130				
cis-1,3-Dichloropropene	500	50	500.0	0	100	70	130				
Dibromochloromethane	490	50	500.0	0	98.5	70	130				
Dibromomethane	500	50	500.0	0	101	70	130				
Dichlorodifluoromethane	410	50	500.0	0	81.4	70	130				
Dichloromethane	590	250	500.0	0	119	70	130				
Diethyl ether	520	250	500.0	0	103	70	130				
Ethyl methacrylate	510	50	500.0	0	102	70	130				
Ethylbenzene	540	50	500.0	0	107	70	130				
Ethylene dibromide	510	50	500.0	0	103	70	130				
Hexachlorobutadiene	530	250	500.0	0	107	70	130				
Hexachloroethane	480	50	500.0	0	96.6	70	130				
Isopropyl ether	570	250	500.0	0	115	70	130				
Isopropylbenzene	510	50	500.0	0	103	70	130				
m,p-Xylene	1,000	100	1,000	0	104	70	130				
Methyl ethyl ketone	600	250	500.0	0	120	70	130				
Methyl Iodide	380	250	500.0	0	76.1	70	130				
Methyl isobutyl ketone	500	500	500.0	0	99.9	70	130				J
Methyl tert-butyl ether	1,000	250	1,000	0	105	70	130				
Naphthalene	580	250	500.0	0	116	70	130				

Qualifiers:
E Value above quantitation range
H Holding times for preparation or analysis exceeded
J Analyte detected below quantitation lir
M Manual Integration used to determine area response
ND Not Detected at the Reporting Limit
R RPD outside accepted recovery limits
RL Reporting Detection Limit
S Spike Recovery outside accepted recovery limits

CLIENT: PSC Environmental Services
Work Order: 0805133
Project: Chemfuel

QC SUMMARY REPORT

TestCode: SW_8260S

Sample ID: **10ug/KG LCS 10uL**	SampType: **LCS**	TestCode: **SW_8260S**	Units: **µg/Kg**	Prep Date:	RunNo: **20662**
Client ID: **LCSS**	Batch ID: **R20662**	TestNo: **SW8260B**		Analysis Date: **5/8/2008**	SeqNo: **334118**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
n-Butylbenzene	500	50	500.0	0	99.0	70	130				
n-Propylbenzene	550	50	500.0	0	110	70	130				
o-Xylene	520	50	500.0	0	104	70	130				
p-Isopropyltoluene	500	50	500.0	0	99.5	70	130				
sec-Butylbenzene	520	50	500.0	0	105	70	130				
Styrene	530	50	500.0	0	107	70	130				
t-Butyl alcohol	2,900	2,000	2,500	0	117	70	130				
tert-Amyl Methyl Ether	510	200	500.0	0	102	70	130				
tert-Butyl Ethyl Ether	550	250	500.0	0	109	70	130				
tert-Butylbenzene	510	50	500.0	0	103	70	130				
Tetrachloroethene	620	50	500.0	0	123	70	130				
Toluene	530	50	500.0	0	106	70	130				
trans-1,2-Dichloroethene	540	50	500.0	0	109	70	130				
trans-1,3-Dichloropropene	500	50	500.0	0	100	70	130				
trans-1,4-Dichloro-2-butene	450	50	500.0	0	90.5	70	130				
Trichloroethene	520	50	500.0	0	104	70	130				
Trichlorofluoromethane	450	50	500.0	0	90.8	70	130				
Vinyl chloride	500	40	500.0	0	100	70	130				
Xylenes, Total	1,600	150	1,500	0	104	70	130				
Surr: 4-Bromofluorobenzene	2,500		2,500		100	90	115				
Surr: Dibromofluoromethane	2,500		2,500		101	88.4	108				
Surr: Toluene-d8	2,500		2,500		101	90	112				

Sample ID: **MBLK 1mLMEOH(14**	SampType: **MBLK**	TestCode: **SW_8260S**	Units: **µg/Kg**	Prep Date:	RunNo: **20662**
Client ID: **PBS**	Batch ID: **R20662**	TestNo: **SW8260B**		Analysis Date: **5/8/2008**	SeqNo: **334119**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	ND	50									
1,1,1-Trichloroethane	ND	50									
1,1,2,2-Tetrachloroethane	ND	50									
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	50									

Qualifiers:

E	Value above quantitation range	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation lir
M	Manual Integration used to determine area response	ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits
RL	Reporting Detection Limit	S	Spike Recovery outside accepted recovery limits		

CLIENT: PSC Environmental Services
Work Order: 0805133
Project: Chemfuel

QC SUMMARY REPORT

TestCode: SW_8260S

Sample ID: **MBLK 1mLMEOH(14** SampType: **MBLK** TestCode: **SW_8260S** Units: **µg/Kg** Prep Date: RunNo: **20662**
Client ID: **PBS** Batch ID: **R20662** TestNo: **SW8260B** Analysis Date: **5/8/2008** SeqNo: **334119**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,2-Trichloroethane	ND	50									
1,1-Dichloroethane	ND	50									
1,1-Dichloroethene	ND	50									
1,1-Dichloropropene	ND	50									
1,2,3-Trichlorobenzene	23	50									J
1,2,3-Trichloropropane	ND	50									
1,2,3-Trimethylbenzene	ND	50									
1,2,4-Trichlorobenzene	ND	250									
1,2,4-Trimethylbenzene	ND	50									
1,2-Dibromo-3-chloropropane	ND	250									
1,2-Dichlorobenzene	ND	50									
1,2-Dichloroethane	ND	50									
1,2-Dichloropropane	ND	50									
1,3,5-Trimethylbenzene	ND	50									
1,3-Dichlorobenzene	ND	50									
1,3-Dichloropropane	ND	50									
1,4-Dichlorobenzene	ND	50									
2,2-Dichloropropane	ND	50									
2-Chloroethyl vinyl ether	ND	500									
2-Chlorotoluene	ND	50									
2-Hexanone	ND	2,500									
2-Methylnaphthalene	ND	250									
2-Nitropropane	ND	200									
4-Chlorotoluene	ND	50									
Acetone	240	2,500									J
Acrylonitrile	ND	250									
Benzene	ND	30									
Bromobenzene	ND	50									
Bromochloromethane	ND	50									
Bromodichloromethane	ND	50									
Bromoform	ND	50									

Qualifiers:

E	Value above quantitation range	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation lir
M	Manual Integration used to determine area response	ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits
RL	Reporting Detection Limit	S	Spike Recovery outside accepted recovery limits		

CLIENT: PSC Environmental Services
Work Order: 0805133
Project: Chemfuel

QC SUMMARY REPORT

TestCode: SW_8260S

Sample ID: **MBLK 1mLMEOH(14** SampType: **MBLK** TestCode: **SW_8260S** Units: **µg/Kg** Prep Date: RunNo: **20662**
Client ID: **PBS** Batch ID: **R20662** TestNo: **SW8260B** Analysis Date: **5/8/2008** SeqNo: **334119**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Bromomethane	ND	250									
Carbon disulfide	ND	250									
Carbon tetrachloride	ND	50									
Chlorobenzene	ND	50									
Chloroethane	ND	250									
Chloroform	ND	50									
Chloromethane	ND	50									
cis-1,2-Dichloroethene	ND	50									
cis-1,3-Dichloropropene	ND	50									
Dibromochloromethane	ND	50									
Dibromomethane	ND	50									
Dichlorodifluoromethane	ND	50									
Dichloromethane	95	250									J
Diethyl ether	ND	250									
Ethyl methacrylate	ND	50									
Ethylbenzene	ND	50									
Ethylene dibromide	ND	50									
Hexachlorobutadiene	ND	250									
Hexachloroethane	ND	50									
Isopropyl ether	ND	250									
Isopropylbenzene	ND	50									
m,p-Xylene	ND	100									
Methyl ethyl ketone	110	250									J
Methyl Iodide	39	250									J
Methyl isobutyl ketone	ND	500									
Methyl tert-butyl ether	ND	250									
Naphthalene	ND	250									
n-Butylbenzene	ND	50									
n-Propylbenzene	ND	50									
o-Xylene	ND	50									
p-Isopropyltoluene	ND	50									

Qualifiers:
E Value above quantitation range
H Holding times for preparation or analysis exceeded
J Analyte detected below quantitation lir
M Manual Integration used to determine area response
ND Not Detected at the Reporting Limit
R RPD outside accepted recovery limits
RL Reporting Detection Limit
S Spike Recovery outside accepted recovery limits

CLIENT: PSC Environmental Services
Work Order: 0805133
Project: Chemfuel

QC SUMMARY REPORT

TestCode: SW_8260S

Sample ID: **MBLK 1mLMEOH(14**	SampType: **MBLK**	TestCode: **SW_8260S**	Units: **µg/Kg**	Prep Date:	RunNo: **20662**
Client ID: **PBS**	Batch ID: **R20662**	TestNo: **SW8260B**		Analysis Date: **5/8/2008**	SeqNo: **334119**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
sec-Butylbenzene	ND	50									
Styrene	ND	50									
t-Butyl alcohol	ND	2,000									
tert-Amyl Methyl Ether	ND	200									
tert-Butyl Ethyl Ether	ND	250									
tert-Butylbenzene	ND	50									
Tetrachloroethene	ND	50									
Toluene	ND	50									
trans-1,2-Dichloroethene	ND	50									
trans-1,3-Dichloropropene	ND	50									
trans-1,4-Dichloro-2-butene	ND	50									
Trichloroethene	ND	50									
Trichlorofluoromethane	ND	50									
Vinyl chloride	ND	40									
Xylenes, Total	ND	150									
Surr: 4-Bromofluorobenzene	2,500		2,500		101	90	115				
Surr: Dibromofluoromethane	2,600		2,500		103	88.4	108				
Surr: Toluene-d8	2,500		2,500		101	90	112				

Sample ID: **0805141-001A MS**	SampType: **MS**	TestCode: **SW_8260S**	Units: **µg/Kg**	Prep Date:	RunNo: **20662**
Client ID: **ZZZZZZ**	Batch ID: **R20662**	TestNo: **SW8260B**		Analysis Date: **5/8/2008**	SeqNo: **334122**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	490	50	500.0	0	98.7	81.7	109				
1,1,1-Trichloroethane	510	50	500.0	0	101	73.7	114				
1,1,2,2-Tetrachloroethane	520	50	500.0	0	103	72.6	139				
1,1,2-Trichloro-1,2,2-trifluoroethane	520	50	500.0	0	105	62.1	118				
1,1,2-Trichloroethane	500	50	500.0	0	99.9	68.8	130				
1,1-Dichloroethane	510	50	500.0	0	103	79.3	111				
1,1-Dichloroethene	490	50	500.0	0	98.4	67.3	116				
1,1-Dichloropropene	540	50	500.0	0	108	32	140				

Qualifiers:

E	Value above quantitation range	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation lir
M	Manual Integration used to determine area response	ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits
RL	Reporting Detection Limit	S	Spike Recovery outside accepted recovery limits		

CLIENT: PSC Environmental Services
Work Order: 0805133
Project: Chemfuel

QC SUMMARY REPORT

TestCode: SW_8260S

Sample ID: **0805141-001A MS** SampType: **MS** TestCode: **SW_8260S** Units: **µg/Kg** Prep Date: RunNo: **20662**
Client ID: **ZZZZZZ** Batch ID: **R20662** TestNo: **SW8260B** Analysis Date: **5/8/2008** SeqNo: **334122**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,3-Trichlorobenzene	470	50	500.0	0	93.6	87.3	130				
1,2,3-Trichloropropane	460	50	500.0	0	91.3	68.8	112				
1,2,3-Trimethylbenzene	480	50	500.0	0	95.5	51.6	132				
1,2,4-Trichlorobenzene	480	250	500.0	0	95.7	87.8	130				
1,2,4-Trimethylbenzene	500	50	500.0	0	100	76.2	131				
1,2-Dibromo-3-chloropropane	480	250	500.0	0	95.2	45.6	162				
1,2-Dichlorobenzene	490	50	500.0	0	97.2	85.9	113				
1,2-Dichloroethane	530	50	500.0	0	106	85.8	116				
1,2-Dichloropropane	520	50	500.0	0	104	83.6	110				
1,3,5-Trimethylbenzene	510	50	500.0	0	101	44.6	174				
1,3-Dichlorobenzene	490	50	500.0	0	98.1	84.7	119				
1,3-Dichloropropane	510	50	500.0	0	101	86.2	113				
1,4-Dichlorobenzene	500	50	500.0	0	99.1	85.2	111				
2,2-Dichloropropane	410	50	500.0	0	82.8	40	108				
2-Chloroethyl vinyl ether	470	500	500.0	0	94.7	82	114				J
2-Chlorotoluene	510	50	500.0	0	102	75.7	126				
2-Hexanone	500	2,500	500.0	0	101	51.3	170				J
2-Methylnaphthalene	420	250	500.0	0	83.3	75.2	127				
2-Nitropropane	470	200	500.0	0	93.8	70	130				
4-Chlorotoluene	510	50	500.0	0	101	79.6	130				
Acetone	700	2,500	500.0	256.0	89.3	77.5	159				J
Acrylonitrile	510	250	500.0	0	102	64.8	137				
Benzene	520	30	500.0	28.00	99.4	52.5	136				
Bromobenzene	500	50	500.0	0	101	84.7	114				
Bromochloromethane	510	50	500.0	0	101	83.1	118				
Bromodichloromethane	480	50	500.0	0	96.3	60.9	129				
Bromoform	480	50	500.0	0	95.1	77.4	111				
Bromomethane	570	250	500.0	0	113	63.1	189				
Carbon disulfide	520	250	500.0	0	105	65.3	113				
Carbon tetrachloride	510	50	500.0	0	102	69.7	116				
Chlorobenzene	510	50	500.0	0	103	80.9	120				

Qualifiers:
E Value above quantitation range
H Holding times for preparation or analysis exceeded
J Analyte detected below quantitation lir
M Manual Integration used to determine area response
ND Not Detected at the Reporting Limit
R RPD outside accepted recovery limits
RL Reporting Detection Limit
S Spike Recovery outside accepted recovery limits

CLIENT: PSC Environmental Services
Work Order: 0805133
Project: Chemfuel

QC SUMMARY REPORT

TestCode: SW_8260S

Sample ID: **0805141-001A MS** SampType: **MS** TestCode: **SW_8260S** Units: **µg/Kg** Prep Date: RunNo: **20662**
Client ID: **ZZZZZZ** Batch ID: **R20662** TestNo: **SW8260B** Analysis Date: **5/8/2008** SeqNo: **334122**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chloroethane	510	250	500.0	0	102	79.8	154				
Chloroform	510	50	500.0	0	103	80.7	112				
Chloromethane	480	50	500.0	0	95.4	36.2	126				
cis-1,2-Dichloroethene	490	50	500.0	0	98.1	65.6	111				
cis-1,3-Dichloropropene	470	50	500.0	0	94.8	76.4	112				
Dibromochloromethane	480	50	500.0	0	95.8	81.3	110				
Dibromomethane	500	50	500.0	0	99.7	87.9	118				
Dichlorodifluoromethane	390	50	500.0	0	77.1	27.1	121				
Dichloromethane	590	250	500.0	90.50	99.6	65	121				
Diethyl ether	500	250	500.0	0	101	88.2	110				
Ethyl methacrylate	490	50	500.0	0	97.1	72.1	128				
Ethylbenzene	530	50	500.0	0	106	82.3	119				
Ethylene dibromide	510	50	500.0	0	101	89.2	115				
Hexachlorobutadiene	470	250	500.0	0	93.4	69.8	144				
Hexachloroethane	440	50	500.0	0	88.3	27.8	139				
Isopropyl ether	560	250	500.0	0	112	76.7	117				
Isopropylbenzene	490	50	500.0	0	97.8	77.3	131				
m,p-Xylene	1,000	100	1,000	0	102	80.2	120				
Methyl ethyl ketone	610	250	500.0	116.5	99.6	61	126				
Methyl Iodide	330	250	500.0	0	65.7	70	130				S
Methyl isobutyl ketone	500	500	500.0	0	99.1	59	146				J
Methyl tert-butyl ether	1,000	250	1,000	0	104	81.2	116				
Naphthalene	500	250	500.0	0	101	86.9	133				
n-Butylbenzene	440	50	500.0	0	88.5	67.8	125				
n-Propylbenzene	530	50	500.0	0	107	80.9	125				
o-Xylene	500	50	500.0	0	100	71.1	130				
p-Isopropyltoluene	460	50	500.0	0	92.9	50.1	163				
sec-Butylbenzene	500	50	500.0	0	99.4	71.3	139				
Styrene	510	50	500.0	0	102	87.8	123				
t-Butyl alcohol	2,900	2,000	2,500	0	116	70	130				
tert-Amyl Methyl Ether	500	200	500.0	0	101	78.9	111				

Qualifiers:
E Value above quantitation range
H Holding times for preparation or analysis exceeded
J Analyte detected below quantitation lir
M Manual Integration used to determine area response
ND Not Detected at the Reporting Limit
R RPD outside accepted recovery limits
RL Reporting Detection Limit
S Spike Recovery outside accepted recovery limits

CLIENT: PSC Environmental Services
Work Order: 0805133
Project: Chemfuel

QC SUMMARY REPORT

TestCode: SW_8260S

Sample ID: **0805141-001A MS** SampType: **MS** TestCode: **SW_8260S** Units: **µg/Kg** Prep Date: RunNo: **20662**
Client ID: **ZZZZZZ** Batch ID: **R20662** TestNo: **SW8260B** Analysis Date: **5/8/2008** SeqNo: **334122**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
tert-Butyl Ethyl Ether	530	250	500.0	0	106	69.9	132				
tert-Butylbenzene	480	50	500.0	0	95.8	80.7	119				
Tetrachloroethene	620	50	500.0	0	124	42.7	186				
Toluene	520	50	500.0	0	104	81.9	119				
trans-1,2-Dichloroethene	540	50	500.0	0	108	75.7	115				
trans-1,3-Dichloropropene	470	50	500.0	0	94.8	75.7	111				
trans-1,4-Dichloro-2-butene	460	50	500.0	0	91.5	52.9	136				
Trichloroethene	510	50	500.0	0	101	78.2	120				
Trichlorofluoromethane	480	50	500.0	0	96.1	70	130				
Vinyl chloride	480	40	500.0	0	95.4	37.5	128				
Xylenes, Total	1,500	150	1,500	0	102	62.1	143				
Surr: 4-Bromofluorobenzene	2,500		2,500		102	95.9	130				
Surr: Dibromofluoromethane	2,600		2,500		104	90.4	111				
Surr: Toluene-d8	2,500		2,500		101	100	116				

Sample ID: **MBLK 1mLMEOH(14** SampType: **MBLK** TestCode: **SW_8260S** Units: **µg/Kg** Prep Date: RunNo: **20662**
Client ID: **PBS** Batch ID: **R20662** TestNo: **SW8260B** Analysis Date: **5/9/2008** SeqNo: **334129**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	ND	50									
1,1,1-Trichloroethane	ND	50									
1,1,2,2-Tetrachloroethane	ND	50									
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	50									
1,1,2-Trichloroethane	ND	50									
1,1-Dichloroethane	ND	50									
1,1-Dichloroethene	ND	50									
1,1-Dichloropropene	ND	50									
1,2,3-Trichlorobenzene	38	50									J
1,2,3-Trichloropropane	ND	50									
1,2,3-Trimethylbenzene	ND	50									
1,2,4-Trichlorobenzene	31	250									J

Qualifiers:
E Value above quantitation range
H Holding times for preparation or analysis exceeded
J Analyte detected below quantitation lir
M Manual Integration used to determine area response
ND Not Detected at the Reporting Limit
R RPD outside accepted recovery limits
RL Reporting Detection Limit
S Spike Recovery outside accepted recovery limits

CLIENT: PSC Environmental Services
Work Order: 0805133
Project: Chemfuel

QC SUMMARY REPORT

TestCode: SW_8260S

Sample ID: **MBLK 1mLMEOH(14** SampType: **MBLK** TestCode: **SW_8260S** Units: **µg/Kg** Prep Date: RunNo: **20662**
Client ID: **PBS** Batch ID: **R20662** TestNo: **SW8260B** Analysis Date: **5/9/2008** SeqNo: **334129**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trimethylbenzene	ND	50									
1,2-Dibromo-3-chloropropane	ND	250									
1,2-Dichlorobenzene	ND	50									
1,2-Dichloroethane	ND	50									
1,2-Dichloropropane	ND	50									
1,3,5-Trimethylbenzene	ND	50									
1,3-Dichlorobenzene	ND	50									
1,3-Dichloropropane	ND	50									
1,4-Dichlorobenzene	18	50									J
2,2-Dichloropropane	ND	50									
2-Chloroethyl vinyl ether	ND	500									
2-Chlorotoluene	ND	50									
2-Hexanone	ND	2,500									
2-Methylnaphthalene	ND	250									
2-Nitropropane	ND	200									
4-Chlorotoluene	ND	50									
Acetone	210	2,500									J
Acrylonitrile	ND	250									
Benzene	ND	30									
Bromobenzene	ND	50									
Bromochloromethane	ND	50									
Bromodichloromethane	ND	50									
Bromoform	ND	50									
Bromomethane	ND	250									
Carbon disulfide	24	250									J
Carbon tetrachloride	ND	50									
Chlorobenzene	ND	50									
Chloroethane	ND	250									
Chloroform	ND	50									
Chloromethane	ND	50									
cis-1,2-Dichloroethene	ND	50									

Qualifiers:

E	Value above quantitation range	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation lir
M	Manual Integration used to determine area response	ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits
RL	Reporting Detection Limit	S	Spike Recovery outside accepted recovery limits		

CLIENT: PSC Environmental Services
Work Order: 0805133
Project: Chemfuel

QC SUMMARY REPORT

TestCode: SW_8260S

Sample ID: **MBLK 1mLMEOH(14** SampType: **MBLK** TestCode: **SW_8260S** Units: **µg/Kg** Prep Date: RunNo: **20662**
Client ID: **PBS** Batch ID: **R20662** TestNo: **SW8260B** Analysis Date: **5/9/2008** SeqNo: **334129**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
cis-1,3-Dichloropropene	ND	50									
Dibromochloromethane	ND	50									
Dibromomethane	ND	50									
Dichlorodifluoromethane	ND	50									
Dichloromethane	ND	250									
Diethyl ether	ND	250									
Ethyl methacrylate	ND	50									
Ethylbenzene	ND	50									
Ethylene dibromide	ND	50									
Hexachlorobutadiene	ND	250									
Hexachloroethane	ND	50									
Isopropyl ether	ND	250									
Isopropylbenzene	ND	50									
m,p-Xylene	ND	100									
Methyl ethyl ketone	110	250									J
Methyl Iodide	40	250									J
Methyl isobutyl ketone	ND	500									
Methyl tert-butyl ether	ND	250									
Naphthalene	42	250									J
n-Butylbenzene	ND	50									
n-Propylbenzene	ND	50									
o-Xylene	ND	50									
p-Isopropyltoluene	ND	50									
sec-Butylbenzene	ND	50									
Styrene	ND	50									
t-Butyl alcohol	ND	2,000									
tert-Amyl Methyl Ether	ND	200									
tert-Butyl Ethyl Ether	ND	250									
tert-Butylbenzene	ND	50									
Tetrachloroethene	ND	50									
Toluene	ND	50									

Qualifiers:
E Value above quantitation range
H Holding times for preparation or analysis exceeded
J Analyte detected below quantitation lir
M Manual Integration used to determine area response
ND Not Detected at the Reporting Limit
R RPD outside accepted recovery limits
RL Reporting Detection Limit
S Spike Recovery outside accepted recovery limits

CLIENT: PSC Environmental Services
Work Order: 0805133
Project: Chemfuel

QC SUMMARY REPORT

TestCode: SW_8260S

Sample ID: **MBLK 1mLMEOH(14**	SampType: **MBLK**	TestCode: **SW_8260S**	Units: **µg/Kg**	Prep Date:	RunNo: **20662**
Client ID: **PBS**	Batch ID: **R20662**	TestNo: **SW8260B**		Analysis Date: **5/9/2008**	SeqNo: **334129**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
trans-1,2-Dichloroethene	ND	50									
trans-1,3-Dichloropropene	ND	50									
trans-1,4-Dichloro-2-butene	ND	50									
Trichloroethene	ND	50									
Trichlorofluoromethane	ND	50									
Vinyl chloride	ND	40									
Xylenes, Total	ND	150									
Surr: 4-Bromofluorobenzene	2,500		2,500		101	90	115				
Surr: Dibromofluoromethane	2,500		2,500		101	88.4	108				
Surr: Toluene-d8	2,500		2,500		98.7	90	112				

Sample ID: **0805141-001A MSD**	SampType: **MSD**	TestCode: **SW_8260S**	Units: **µg/Kg**	Prep Date:	RunNo: **20662**
Client ID: **ZZZZZZ**	Batch ID: **R20662**	TestNo: **SW8260B**		Analysis Date: **5/9/2008**	SeqNo: **334130**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	470	50	500.0	0	94.6	81.7	109	493.5	4.24	15.7	
1,1,1-Trichloroethane	490	50	500.0	0	98.6	73.7	114	505.5	2.50	16.8	
1,1,2,2-Tetrachloroethane	520	50	500.0	0	105	72.6	139	516.0	1.35	16.7	
1,1,2-Trichloro-1,2,2-trifluoroethane	490	50	500.0	0	97.6	62.1	118	523.5	7.02	25.7	
1,1,2-Trichloroethane	490	50	500.0	0	98.0	68.8	130	499.5	1.92	15.9	
1,1-Dichloroethane	500	50	500.0	0	99.2	79.3	111	512.5	3.27	16.6	
1,1-Dichloroethene	460	50	500.0	0	92.8	67.3	116	492.0	5.86	20	
1,1-Dichloropropene	500	50	500.0	0	101	32	140	539.5	7.10	18.5	
1,2,3-Trichlorobenzene	490	50	500.0	0	98.1	87.3	130	468.0	4.69	18.8	
1,2,3-Trichloropropane	450	50	500.0	0	89.9	68.8	112	456.5	1.55	19.4	
1,2,3-Trimethylbenzene	480	50	500.0	0	95.9	51.6	132	477.5	0.418	16.2	
1,2,4-Trichlorobenzene	490	250	500.0	0	98.2	87.8	130	478.5	2.58	23	
1,2,4-Trimethylbenzene	490	50	500.0	0	98.6	76.2	131	502.0	1.81	20.6	
1,2-Dibromo-3-chloropropane	480	250	500.0	0	96.2	45.6	162	476.0	1.04	48.7	
1,2-Dichlorobenzene	490	50	500.0	0	98.6	85.9	113	486.0	1.43	17.5	
1,2-Dichloroethane	520	50	500.0	0	103	85.8	116	528.0	2.30	13.9	

Qualifiers:

E	Value above quantitation range	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation lin
M	Manual Integration used to determine area response	ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits
RL	Reporting Detection Limit	S	Spike Recovery outside accepted recovery limits		

CLIENT: PSC Environmental Services
Work Order: 0805133
Project: Chemfuel

QC SUMMARY REPORT

TestCode: SW_8260S

Sample ID: **0805141-001A MSD** SampType: **MSD** TestCode: **SW_8260S** Units: **µg/Kg** Prep Date: RunNo: **20662**
Client ID: **ZZZZZZ** Batch ID: **R20662** TestNo: **SW8260B** Analysis Date: **5/9/2008** SeqNo: **334130**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2-Dichloropropane	510	50	500.0	0	103	83.6	110	518.5	1.07	18.1	
1,3,5-Trimethylbenzene	500	50	500.0	0	99.2	44.6	174	505.5	1.90	19.2	
1,3-Dichlorobenzene	480	50	500.0	0	95.8	84.7	119	490.5	2.37	22.5	
1,3-Dichloropropane	510	50	500.0	0	103	86.2	113	506.5	1.18	17.2	
1,4-Dichlorobenzene	480	50	500.0	0	95.2	85.2	111	495.5	4.01	16.2	
2,2-Dichloropropane	300	50	500.0	0	60.7	40	108	414.0	30.8	16	R
2-Chloroethyl vinyl ether	480	500	500.0	0	96.8	82	114	473.5	0	18.4	J
2-Chlorotoluene	500	50	500.0	0	99.3	75.7	126	510.0	2.68	17.2	
2-Hexanone	520	2,500	500.0	0	103	51.3	170	504.0	0	40	J
2-Methylnaphthalene	500	250	500.0	0	99.8	75.2	127	416.5	18.0	26.8	
2-Nitropropane	520	200	3,500	0	14.8	70	130	469.0	9.74	56.4	S
4-Chlorotoluene	490	50	500.0	0	98.7	79.6	130	506.5	2.60	35.6	
Acetone	810	2,500	500.0	256.0	111	77.5	159	702.5	0	40	J
Acrylonitrile	540	250	500.0	0	108	64.8	137	512.0	4.86	24.5	
Benzene	520	30	500.0	28.00	97.9	52.5	136	525.0	1.44	13.5	
Bromobenzene	490	50	500.0	0	97.3	84.7	114	502.5	3.24	19.6	
Bromochloromethane	500	50	500.0	0	100	83.1	118	506.0	0.993	17	
Bromodichloromethane	480	50	500.0	0	95.3	60.9	129	481.5	1.04	18.3	
Bromoform	480	50	500.0	0	96.8	77.4	111	475.5	1.77	16.4	
Bromomethane	560	250	500.0	0	113	63.1	189	565.5	0.443	40.4	
Carbon disulfide	500	250	500.0	0	101	65.3	113	523.5	3.70	22	
Carbon tetrachloride	480	50	500.0	0	95.7	69.7	116	511.5	6.67	21	
Chlorobenzene	500	50	500.0	0	99.4	80.9	120	513.0	3.17	16	
Chloroethane	450	250	500.0	0	90.7	79.8	154	508.0	11.3	28.2	
Chloroform	500	50	500.0	0	99.5	80.7	112	512.5	2.97	14.7	
Chloromethane	460	50	500.0	0	91.6	36.2	126	477.0	4.06	33.6	
cis-1,2-Dichloroethene	470	50	500.0	0	94.7	65.6	111	490.5	3.53	24.9	
cis-1,3-Dichloropropene	460	50	500.0	0	92.5	76.4	112	474.0	2.46	18.7	
Dibromochloromethane	490	50	500.0	0	98.3	81.3	110	479.0	2.58	19.4	
Dibromomethane	490	50	500.0	0	98.5	87.9	118	498.5	1.21	15.2	
Dichlorodifluoromethane	360	50	500.0	0	72.8	27.1	121	385.5	5.74	34.1	

Qualifiers:
E Value above quantitation range
H Holding times for preparation or analysis exceeded
J Analyte detected below quantitation lin
M Manual Integration used to determine area response
ND Not Detected at the Reporting Limit
R RPD outside accepted recovery limits
RL Reporting Detection Limit
S Spike Recovery outside accepted recovery limits

CLIENT: PSC Environmental Services
Work Order: 0805133
Project: Chemfuel

QC SUMMARY REPORT

TestCode: SW_8260S

Sample ID: **0805141-001A MSD** SampType: **MSD** TestCode: **SW_8260S** Units: **µg/Kg** Prep Date: RunNo: **20662**
Client ID: **ZZZZZZ** Batch ID: **R20662** TestNo: **SW8260B** Analysis Date: **5/9/2008** SeqNo: **334130**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dichloromethane	600	250	500.0	90.50	101	65	121	588.5	1.43	31.8	
Diethyl ether	500	250	500.0	0	99.2	88.2	110	503.0	1.40	21.2	
Ethyl methacrylate	510	50	500.0	0	102	72.1	128	485.5	5.12	18.3	
Ethylbenzene	520	50	500.0	0	104	82.3	119	530.5	2.29	15.5	
Ethylene dibromide	510	50	500.0	0	101	89.2	115	507.0	0.0987	17.6	
Hexachlorobutadiene	480	250	500.0	0	96.6	69.8	144	467.0	3.37	24	
Hexachloroethane	440	50	500.0	0	87.6	27.8	139	441.5	0.796	15.7	
Isopropyl ether	550	250	500.0	0	110	76.7	117	561.0	2.34	15.4	
Isopropylbenzene	490	50	500.0	0	97.6	77.3	131	489.0	0.205	15.9	
m,p-Xylene	980	100	1,000	0	98.4	80.2	120	1,022	3.89	17.3	
Methyl ethyl ketone	600	250	500.0	116.5	97.2	61	126	614.5	1.97	34	
Methyl Iodide	330	250	500.0	0	66.2	70	130	328.5	0.758	25	S
Methyl isobutyl ketone	550	500	500.0	0	109	59	146	495.5	9.61	33.7	
Methyl tert-butyl ether	1,000	250	1,000	0	103	81.2	116	1,038	0.725	17.5	
Naphthalene	530	250	500.0	0	106	86.9	133	504.0	4.84	17.1	
n-Butylbenzene	450	50	500.0	0	89.6	67.8	125	442.5	1.24	22.4	
n-Propylbenzene	520	50	500.0	0	103	80.9	125	533.0	3.14	16.5	
o-Xylene	500	50	500.0	0	100	71.1	130	500.5	0	16	
p-Isopropyltoluene	470	50	500.0	0	93.0	50.1	163	464.5	0.108	19.2	
sec-Butylbenzene	490	50	500.0	0	98.4	71.3	139	497.0	1.01	18.8	
Styrene	510	50	500.0	0	103	87.8	123	508.5	0.784	16	
t-Butyl alcohol	3,200	2,000	2,500	0	128	70	130	2,896	9.94	17.1	
tert-Amyl Methyl Ether	520	200	500.0	0	103	78.9	111	504.0	2.55	14.3	
tert-Butyl Ethyl Ether	530	250	500.0	0	105	69.9	132	528.5	0.474	30.6	
tert-Butylbenzene	490	50	500.0	0	98.9	80.7	119	479.0	3.18	19.2	
Tetrachloroethene	680	50	500.0	0	136	42.7	186	621.5	8.84	41.2	
Toluene	510	50	500.0	0	102	81.9	119	518.0	1.75	16.2	
trans-1,2-Dichloroethene	500	50	500.0	0	101	75.7	115	538.0	6.63	17.1	
trans-1,3-Dichloropropene	460	50	500.0	0	92.4	75.7	111	474.0	2.56	19.3	
trans-1,4-Dichloro-2-butene	420	50	500.0	0	83.8	52.9	136	457.5	8.78	17	
Trichloroethene	510	50	500.0	0	102	78.2	120	506.5	0.982	19	

Qualifiers:
E Value above quantitation range
H Holding times for preparation or analysis exceeded
J Analyte detected below quantitation lin
M Manual Integration used to determine area response
ND Not Detected at the Reporting Limit
R RPD outside accepted recovery limits
RL Reporting Detection Limit
S Spike Recovery outside accepted recovery limits

CLIENT: PSC Environmental Services
Work Order: 0805133
Project: Chemfuel

QC SUMMARY REPORT

TestCode: SW_8260S

Sample ID: **0805141-001A MSD**	SampType: **MSD**	TestCode: **SW_8260S**	Units: **µg/Kg**	Prep Date:	RunNo: **20662**
Client ID: **ZZZZZZ**	Batch ID: **R20662**	TestNo: **SW8260B**		Analysis Date: **5/9/2008**	SeqNo: **334130**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Trichlorofluoromethane	430	50	500.0	0	86.0	70	130	480.5	11.1	25	
Vinyl chloride	460	40	500.0	0	91.5	37.5	128	477.0	4.17	33.3	
Xylenes, Total	1,500	150	1,500	0	98.9	62.1	143	1,523	2.59	16.5	
Surr: 4-Bromofluorobenzene	2,500		2,500		101	95.9	130		0	25	
Surr: Dibromofluoromethane	2,500		2,500		102	90.4	111		0	25	
Surr: Toluene-d8	2,500		2,500		99.5	100	116		0	25	S

Qualifiers:

E	Value above quantitation range	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation lir
M	Manual Integration used to determine area response	ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits
RL	Reporting Detection Limit	S	Spike Recovery outside accepted recovery limits		

CLIENT: PSC Environmental Services
Work Order: 0805133
Project: Chemfuel

QC SUMMARY REPORT

TestCode: SW_8315S

Sample ID: **0805133-001ams**	SampType: **ms**	TestCode: **sw_8315s**	Units: **µg/Kg**	Prep Date: **5/9/2008**	RunNo: **20710**
Client ID: **April Chemfuel Com**	Batch ID: **10923**	TestNo: **SW8315A**		Analysis Date: **5/12/2008**	SeqNo: **335201**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Formaldehyde	520,000	10,000	500,000	143,600	74.7	85	115				SH

Sample ID: **0805133-001amsd**	SampType: **msd**	TestCode: **sw_8315s**	Units: **µg/Kg**	Prep Date: **5/9/2008**	RunNo: **20710**
Client ID: **April Chemfuel Com**	Batch ID: **10923**	TestNo: **SW8315A**		Analysis Date: **5/12/2008**	SeqNo: **335202**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Formaldehyde	500,000	10,000	500,000	143,600	72.2	85	115	517,200	2.48	25	SH

Sample ID: **mb-10923**	SampType: **mblk**	TestCode: **sw_8315s**	Units: **µg/Kg**	Prep Date: **5/9/2008**	RunNo: **20710**
Client ID: **PBW**	Batch ID: **10923**	TestNo: **SW8315A**		Analysis Date: **5/12/2008**	SeqNo: **335206**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Formaldehyde	ND	2,000									

Sample ID: **lcs-10923**	SampType: **lcs**	TestCode: **sw_8315s**	Units: **µg/Kg**	Prep Date: **5/9/2008**	RunNo: **20710**
Client ID: **LCSW**	Batch ID: **10923**	TestNo: **SW8315A**		Analysis Date: **5/12/2008**	SeqNo: **335207**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Formaldehyde	91,000	2,000	100,000	0	90.7	85	115				

Qualifiers:

E	Value above quantitation range	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation lir
M	Manual Integration used to determine area response	ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits
RL	Reporting Detection Limit	S	Spike Recovery outside accepted recovery limits		

RTI LABORATORIES, INC.

31628 Glendale St.
Livonia, Michigan 48150
TEL: 734.422.8000
FAX: 734.422.5342
Website: www.rtilab.com

September 24, 2008

Jeffrey Davis
PSC Environmental Services
515 Lycaste St
Detroit, MI 48214-3473

TEL: (313) 824-5303
FAX (313) 824-5865

RE: August Chemfuel

Order No.: 0809042

Dear Jeffrey Davis:

RTI Laboratories received 1 sample(s) on 9/3/2008 for the analyses presented in the following report.

There were no problems with the analytical events associated with this report unless noted in the Case Narrative.

This report may only be reproduced in its entirety. Individual pages, reproduced without supporting documentation, do not contain related information and may be misinterpreted by other data reviewers.

Quality control data is within laboratory defined or method specified acceptance limits except if noted.

If you have any questions regarding these tests results, please feel free to call.

Sincerely,

Robert Lynch
Manager, Environmental Services
31628 Glendale St.
Livonia, Michigan 48150

RTI LABORATORIES, INC.

31628 Glendale St.
Livonia, Michigan 48150
TEL: 734.422.8000
FAX: 734.422.5342
Website: www.rtilab.com

Case Narrative

WO#: **0809042**
Date: **9/24/2008**

CLIENT: PSC Environmental Services
Project: August Chemfuel

This report in its entirety consists of the documents listed below. All documents contain the RTI Work Order Number assigned to this report.

1. Paginated Report including: Case Narrative, Analytical Results and Applicable Quality Control Summary Reports.

2. A Cover Letter that immediately precedes the Paginated Report.

3. Paginated copies of the Chain of Custody Documents supplied with this sample set.

Concentrations reported with a J flag in the Qual field are values below the reporting limit (RL) but greater than the established method detection limit (MDL). There is greater uncertainty associated with these results and data should be considered as estimated.

Concentrations reported with an E flag in the Qual field are values that exceed the upper quantification range. There is greater uncertainty associated with these results and data should be considered as estimated.

Any comments or problems with the analytical events associated with this report are noted below.

RTI LABORATORIES, INC.

31628 Glendale St.
Livonia, Michigan 48150
TEL: 734.422.8000
FAX: 734.422.5342
Website: www.rtilab.com

Analytical Report

(consolidated)

WO#: **0809042**

Date Reported: **9/24/2008**

CLIENT: PSC Environmental Services **Collection Date:** 9/2/2008 10:00:00 AM

Project: August Chemfuel

Lab ID: 0809042-001 **Matrix:** SOLVENT

Client Sample ID August 08 Chemfuel

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
NONHALOGENATED ORGANICS, GC/FID				**SW8015B**		Analyst: **MB**
1-Butanol	5.5	0.10		mg/Kg	10	9/13/2008 10:47:37 PM
1-Propanol	1.1	0.10		mg/Kg	10	9/13/2008 10:47:37 PM
2-Ethoxyethanol	ND	0.10		mg/Kg	10	9/13/2008 10:47:37 PM
2-Methoxyethanol	ND	0.10		mg/Kg	10	9/13/2008 10:47:37 PM
2-Methyl-1-propanol	0.68	0.10		mg/Kg	10	9/13/2008 10:47:37 PM
2-Propanol	49	1.0		mg/Kg	100	9/13/2008 10:10:49 PM
Cyclohexanone	ND	0.10		mg/Kg	10	9/13/2008 10:47:37 PM
Ethanol	27	1.0		mg/Kg	100	9/13/2008 10:10:49 PM
Ethyl acetate	ND	0.10		mg/Kg	10	9/13/2008 10:47:37 PM
Ethylene glycol	23	1.0		mg/Kg	100	9/13/2008 10:10:49 PM
Methanol	82	1.0		mg/Kg	100	9/13/2008 10:10:49 PM
Propylene glycol	ND	0.10		mg/Kg	10	9/13/2008 10:47:37 PM
ALDEHYDES AND KETONES				**SW8315A**		Analyst: **MB**
Formaldehyde	39	2.0	H	mg/Kg	1	9/19/2008 5:27:28 PM
EPA METHOD 24 VOC CONTENT				**EPA24**		Analyst: **JS5**
Density, 24°C	7.84	0			1	9/19/2008 10:49:14 AM
NVR	37.4	0			1	9/19/2008 10:49:14 AM
VOC Content (less water)	62.6	0			1	9/19/2008 10:49:14 AM
Water	1.62	0			1	9/19/2008 10:49:14 AM
VOLATILE ORGANIC COMPOUNDS				**SW8260B**		Analyst: **MT3**
1,1,1,2-Tetrachloroethane	ND	1,000		mg/Kg	1000000	9/9/2008 10:11:00 PM
1,1,1-Trichloroethane	ND	1,000		mg/Kg	1000000	9/9/2008 10:11:00 PM
1,1,2,2-Tetrachloroethane	ND	1,000		mg/Kg	1000000	9/9/2008 10:11:00 PM
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	1,000		mg/Kg	1000000	9/9/2008 10:11:00 PM
1,1,2-Trichloroethane	ND	1,000		mg/Kg	1000000	9/9/2008 10:11:00 PM
1,1-Dichloroethane	ND	1,000		mg/Kg	1000000	9/9/2008 10:11:00 PM
1,1-Dichloroethene	ND	1,000		mg/Kg	1000000	9/9/2008 10:11:00 PM
1,1-Dichloropropene	ND	1,000		mg/Kg	1000000	9/9/2008 10:11:00 PM

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
M	Manual Integration used to determine area response	ND	Not Detected at the Reporting Limit
RL	Reporting Detection Limit	S	Spike Recovery outside accepted recovery limits

RTI LABORATORIES, INC.

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Livonia, Michigan 48150
TEL: 734.422.8000
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Analytical Report

(consolidated)

WO#: **0809042**

Date Reported: **9/24/2008**

CLIENT: PSC Environmental Services
Collection Date: 9/2/2008 10:00:00 AM
Project: August Chemfuel
Lab ID: 0809042-001
Matrix: SOLVENT
Client Sample ID August 08 Chemfuel

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS				**SW8260B**		Analyst: **MT3**
1,2,3-Trichlorobenzene	ND	1,000		mg/Kg	1000000	9/9/2008 10:11:00 PM
1,2,3-Trichloropropane	ND	1,000		mg/Kg	1000000	9/9/2008 10:11:00 PM
1,2,3-Trimethylbenzene	ND	1,000		mg/Kg	1000000	9/9/2008 10:11:00 PM
1,2,4-Trichlorobenzene	ND	5,000		mg/Kg	1000000	9/9/2008 10:11:00 PM
1,2,4-Trimethylbenzene	3,600	1,000		mg/Kg	1000000	9/9/2008 10:11:00 PM
1,2-Dibromo-3-chloropropane	ND	5,000		mg/Kg	1000000	9/9/2008 10:11:00 PM
1,2-Dichlorobenzene	ND	1,000		mg/Kg	1000000	9/9/2008 10:11:00 PM
1,2-Dichloroethane	ND	1,000		mg/Kg	1000000	9/9/2008 10:11:00 PM
1,2-Dichloropropane	ND	1,000		mg/Kg	1000000	9/9/2008 10:11:00 PM
1,3,5-Trimethylbenzene	1,300	1,000		mg/Kg	1000000	9/9/2008 10:11:00 PM
1,3-Dichlorobenzene	ND	1,000		mg/Kg	1000000	9/9/2008 10:11:00 PM
1,3-Dichloropropane	ND	1,000		mg/Kg	1000000	9/9/2008 10:11:00 PM
1,4-Dichlorobenzene	ND	1,000		mg/Kg	1000000	9/9/2008 10:11:00 PM
2,2-Dichloropropane	ND	1,000		mg/Kg	1000000	9/9/2008 10:11:00 PM
2-Chloroethyl vinyl ether	ND	10,000		mg/Kg	1000000	9/9/2008 10:11:00 PM
2-Chlorotoluene	ND	1,000		mg/Kg	1000000	9/9/2008 10:11:00 PM
2-Hexanone	ND	50,000		mg/Kg	1000000	9/9/2008 10:11:00 PM
2-Methylnaphthalene	ND	5,000		mg/Kg	1000000	9/9/2008 10:11:00 PM
2-Nitropropane	ND	4,000		mg/Kg	1000000	9/9/2008 10:11:00 PM
4-Chlorotoluene	ND	1,000		mg/Kg	1000000	9/9/2008 10:11:00 PM
Acetone	ND	50,000		mg/Kg	1000000	9/9/2008 10:11:00 PM
Acrylonitrile	ND	5,000		mg/Kg	1000000	9/9/2008 10:11:00 PM
Benzene	1,500	600		mg/Kg	1000000	9/9/2008 10:11:00 PM
Bromobenzene	ND	1,000		mg/Kg	1000000	9/9/2008 10:11:00 PM
Bromochloromethane	ND	1,000		mg/Kg	1000000	9/9/2008 10:11:00 PM
Bromodichloromethane	ND	1,000		mg/Kg	1000000	9/9/2008 10:11:00 PM
Bromoform	ND	1,000		mg/Kg	1000000	9/9/2008 10:11:00 PM
Bromomethane	ND	5,000		mg/Kg	1000000	9/9/2008 10:11:00 PM
Carbon disulfide	ND	5,000		mg/Kg	1000000	9/9/2008 10:11:00 PM
Carbon tetrachloride	ND	1,000		mg/Kg	1000000	9/9/2008 10:11:00 PM
Chlorobenzene	ND	1,000		mg/Kg	1000000	9/9/2008 10:11:00 PM
Chloroethane	ND	5,000		mg/Kg	1000000	9/9/2008 10:11:00 PM
Chloroform	ND	1,000		mg/Kg	1000000	9/9/2008 10:11:00 PM
Chloromethane	ND	1,000		mg/Kg	1000000	9/9/2008 10:11:00 PM

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
M	Manual Integration used to determine area response	ND	Not Detected at the Reporting Limit
RL	Reporting Detection Limit	S	Spike Recovery outside accepted recovery limits

RTI LABORATORIES, INC.

31628 Glendale St.
Livonia, Michigan 48150
TEL: 734.422.8000
FAX: 734.422.5342
Website: www.rtilab.com

Analytical Report

(consolidated)

WO#: **0809042**

Date Reported: **9/24/2008**

CLIENT: PSC Environmental Services
Collection Date: 9/2/2008 10:00:00 AM
Project: August Chemfuel
Lab ID: 0809042-001
Matrix: SOLVENT
Client Sample ID August 08 Chemfuel

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS				**SW8260B**		Analyst: **MT3**
cis-1,2-Dichloroethene	ND	1,000		mg/Kg	1000000	9/9/2008 10:11:00 PM
cis-1,3-Dichloropropene	ND	1,000		mg/Kg	1000000	9/9/2008 10:11:00 PM
Dibromochloromethane	ND	1,000		mg/Kg	1000000	9/9/2008 10:11:00 PM
Dibromomethane	ND	1,000		mg/Kg	1000000	9/9/2008 10:11:00 PM
Dichlorodifluoromethane	ND	1,000		mg/Kg	1000000	9/9/2008 10:11:00 PM
Dichloromethane	ND	5,000		mg/Kg	1000000	9/9/2008 10:11:00 PM
Diethyl ether	ND	5,000		mg/Kg	1000000	9/9/2008 10:11:00 PM
Ethyl methacrylate	ND	1,000		mg/Kg	1000000	9/9/2008 10:11:00 PM
Ethylbenzene	22,000	1,000		mg/Kg	1000000	9/9/2008 10:11:00 PM
Ethylene dibromide	ND	1,000		mg/Kg	1000000	9/9/2008 10:11:00 PM
Hexachlorobutadiene	ND	5,000		mg/Kg	1000000	9/9/2008 10:11:00 PM
Hexachloroethane	ND	1,000		mg/Kg	1000000	9/9/2008 10:11:00 PM
Isopropyl ether	ND	5,000		mg/Kg	1000000	9/9/2008 10:11:00 PM
Isopropylbenzene	ND	1,000		mg/Kg	1000000	9/9/2008 10:11:00 PM
m,p-Xylene	80,000	2,000		mg/Kg	1000000	9/9/2008 10:11:00 PM
Methyl ethyl ketone	ND	5,000		mg/Kg	1000000	9/9/2008 10:11:00 PM
Methyl Iodide	ND	5,000		mg/Kg	1000000	9/9/2008 10:11:00 PM
Methyl isobutyl ketone	ND	10,000		mg/Kg	1000000	9/9/2008 10:11:00 PM
Methyl tert-butyl ether	ND	5,000		mg/Kg	1000000	9/9/2008 10:11:00 PM
Naphthalene	ND	5,000		mg/Kg	1000000	9/9/2008 10:11:00 PM
n-Butylbenzene	ND	1,000		mg/Kg	1000000	9/9/2008 10:11:00 PM
n-Propylbenzene	ND	1,000		mg/Kg	1000000	9/9/2008 10:11:00 PM
o-Xylene	17,000	1,000		mg/Kg	1000000	9/9/2008 10:11:00 PM
p-Isopropyltoluene	ND	1,000		mg/Kg	1000000	9/9/2008 10:11:00 PM
sec-Butylbenzene	ND	1,000		mg/Kg	1000000	9/9/2008 10:11:00 PM
Styrene	ND	1,000		mg/Kg	1000000	9/9/2008 10:11:00 PM
t-Butyl alcohol	ND	40,000		mg/Kg	1000000	9/9/2008 10:11:00 PM
tert-Amyl Methyl Ether	ND	4,000		mg/Kg	1000000	9/9/2008 10:11:00 PM
tert-Butyl Ethyl Ether	ND	5,000		mg/Kg	1000000	9/9/2008 10:11:00 PM
tert-Butylbenzene	ND	1,000		mg/Kg	1000000	9/9/2008 10:11:00 PM
Tetrachloroethene	ND	1,000		mg/Kg	1000000	9/9/2008 10:11:00 PM
Toluene	37,000	1,000		mg/Kg	1000000	9/9/2008 10:11:00 PM
trans-1,2-Dichloroethene	ND	1,000		mg/Kg	1000000	9/9/2008 10:11:00 PM
trans-1,3-Dichloropropene	ND	1,000		mg/Kg	1000000	9/9/2008 10:11:00 PM

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
M	Manual Integration used to determine area response	ND	Not Detected at the Reporting Limit
RL	Reporting Detection Limit	S	Spike Recovery outside accepted recovery limits

RTI LABORATORIES, INC.

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Analytical Report

(consolidated)

WO#: **0809042**

Date Reported: **9/24/2008**

CLIENT: PSC Environmental Services
Project: August Chemfuel
Lab ID: 0809042-001
Client Sample ID August 08 Chemfuel

Collection Date: 9/2/2008 10:00:00 AM
Matrix: SOLVENT

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS				**SW8260B**		Analyst: **MT3**
trans-1,4-Dichloro-2-butene	ND	1,000		mg/Kg	1000000	9/9/2008 10:11:00 PM
Trichloroethene	ND	1,000		mg/Kg	1000000	9/9/2008 10:11:00 PM
Trichlorofluoromethane	ND	1,000		mg/Kg	1000000	9/9/2008 10:11:00 PM
Vinyl chloride	ND	800		mg/Kg	1000000	9/9/2008 10:11:00 PM
Xylenes, Total	97,000	3,000		mg/Kg	1000000	9/9/2008 10:11:00 PM
Surr: 4-Bromofluorobenzene	98.8	90-115		%REC	1000000	9/9/2008 10:11:00 PM
Surr: Dibromofluoromethane	94.5	88.4-108		%REC	1000000	9/9/2008 10:11:00 PM
Surr: Toluene-d8	98.0	90-112		%REC	1000000	9/9/2008 10:11:00 PM

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
M	Manual Integration used to determine area response	ND	Not Detected at the Reporting Limit
RL	Reporting Detection Limit	S	Spike Recovery outside accepted recovery limits

Lab Order: 0809042
Client: PSC Environmental Services
Project: August Chemfuel

DATES REPORT

Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	TCLP Date	Prep Date	Analysis Date
0809042-001A	August 08 Chemfuel	9/2/2008 10:00:00 AM	Solvent	Aldehydes and Ketones			9/19/2008
				EPA Method 24 VOC Content			9/19/2008
				Nonhalogenated Organics, GC/FID			9/13/2008
				Nonhalogenated Organics, GC/FID			9/13/2008
				Volatile Organic Compounds			9/9/2008

CLIENT: PSC Environmental Services
Work Order: 0809042
Project: August Chemfuel

QC SUMMARY REPORT

TestCode: EPA-24

Sample ID: **0809042-001ADUP** SampType: **DUP** TestCode: **EPA-24** Units: Prep Date: RunNo: **23450**
Client ID: **August 08 Chemfuel** Batch ID: **R23450** TestNo: **EPA24** Analysis Date: **9/19/2008** SeqNo: **389978**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Density, 24°C	7.86	0						0	200	0	
NVR	26.1	0						0	200	0	
VOC Content (less water)	73.9	0						0	200	0	
Water	1.56	0						0	200	0	

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	E	Value above quantitation range	H	Holding times for preparation or analys
M	Manual Integration used to determine area response	ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits
RL	Reporting Detection Limit	S	Spike Recovery outside accepted recovery limits		

CLIENT: PSC Environmental Services
Work Order: 0809042
Project: August Chemfuel

QC SUMMARY REPORT

TestCode: SW_8015S

Sample ID: **lcs**	SampType: **lcs**	TestCode: **sw_8015s**	Units: **µg/Kg**	Prep Date:	RunNo: **23504**
Client ID: **LCSS**	Batch ID: **R23504**	TestNo: **SW8015B**		Analysis Date: **9/13/2008**	SeqNo: **391335**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1-Butanol	0.28	0.010	250.0	0	111	70	130				
1-Propanol	0.27	0.010	250.0	0	110	70	130				
2-Ethoxyethanol	0.23	0.010	250.0	0	90.3	70	130				
2-Methoxyethanol	0.28	0.010	250.0	0	114	70	130				
2-Methyl-1-propanol	0.28	0.010	250.0	0	112	70	130				
2-Propanol	0.27	0.010	250.0	0	110	70	130				
Cyclohexanone	0.26	0.010	250.0	0	104	70	130				
Ethanol	0.25	0.010	250.0	0	98.2	70	130				
Ethyl acetate	0.32	0.010	250.0	0	128	70	130				
Ethylene glycol	0.23	0.010	250.0	0	91.9	70	130				
Methanol	0.28	0.010	250.0	0	111	70	130				
Propylene glycol	0.22	0.010	250.0	0	89.4	70	130				

Sample ID: **lcsd**	SampType: **lcsd**	TestCode: **sw_8015s**	Units: **µg/Kg**	Prep Date:	RunNo: **23504**
Client ID: **LCSS02**	Batch ID: **R23504**	TestNo: **SW8015B**		Analysis Date: **9/13/2008**	SeqNo: **391336**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1-Butanol	0.27	0.010	250.0	0	108	70	130	278.5	2.96	25	
1-Propanol	0.26	0.010	250.0	0	103	70	130	274.0	5.74	25	
2-Ethoxyethanol	0.24	0.010	250.0	0	97.6	70	130	225.6	7.79	25	
2-Methoxyethanol	0.31	0.010	250.0	0	122	70	130	284.6	7.28	25	
2-Methyl-1-propanol	0.27	0.010	250.0	0	110	70	130	281.0	2.33	25	
2-Propanol	0.27	0.010	250.0	0	109	70	130	273.9	0.594	25	
Cyclohexanone	0.27	0.010	250.0	0	106	70	130	260.8	2.00	25	
Ethanol	0.25	0.010	250.0	0	98.5	70	130	245.4	0.377	25	
Ethyl acetate	0.32	0.010	250.0	0	130	70	130	320.9	0.927	25	
Ethylene glycol	0.24	0.010	250.0	0	94.2	70	130	229.7	2.45	25	
Methanol	0.26	0.010	250.0	0	103	70	130	278.5	8.16	25	
Propylene glycol	0.22	0.010	250.0	0	88.8	70	130	223.4	0.602	25	

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	E	Value above quantitation range	H	Holding times for preparation or analys
M	Manual Integration used to determine area response	ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits
RL	Reporting Detection Limit	S	Spike Recovery outside accepted recovery limits		

CLIENT: PSC Environmental Services
Work Order: 0809042
Project: August Chemfuel

QC SUMMARY REPORT

TestCode: SW_8015S

Sample ID: **mb**	SampType: **mblk**	TestCode: **sw_8015s**	Units: **µg/Kg**	Prep Date:	RunNo: **23504**
Client ID: **PBS**	Batch ID: **R23504**	TestNo: **SW8015B**		Analysis Date: **9/13/2008**	SeqNo: **391337**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1-Butanol	ND	0.010									
1-Propanol	ND	0.010									
2-Ethoxyethanol	ND	0.010									
2-Methoxyethanol	ND	0.010									
2-Methyl-1-propanol	ND	0.010									
2-Propanol	ND	0.010									
Cyclohexanone	ND	0.010									
Ethanol	ND	0.010									
Ethyl acetate	ND	0.010									
Ethylene glycol	ND	0.010									
Methanol	ND	0.010									
Propylene glycol	ND	0.010									

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	E	Value above quantitation range	H	Holding times for preparation or analys
M	Manual Integration used to determine area response	ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits
RL	Reporting Detection Limit	S	Spike Recovery outside accepted recovery limits		

CLIENT: PSC Environmental Services
Work Order: 0809042
Project: August Chemfuel

QC SUMMARY REPORT

TestCode: SW_8260S

Sample ID: **10ug/KG LCS 10uL** SampType: **LCS** TestCode: **SW_8260S** Units: **µg/Kg** Prep Date: RunNo: **23209**
Client ID: **LCSS** Batch ID: **R23209** TestNo: **SW8260B** Analysis Date: **9/9/2008** SeqNo: **385281**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	0.50	0.050	500.0	0	101	70	130				
1,1,1-Trichloroethane	0.50	0.050	500.0	0	99.0	70	130				
1,1,2,2-Tetrachloroethane	0.52	0.050	500.0	0	104	70	130				
1,1,2-Trichloro-1,2,2-trifluoroethane	0.49	0.050	500.0	0	97.3	70	130				
1,1,2-Trichloroethane	0.50	0.050	500.0	0	99.9	70	130				
1,1-Dichloroethane	0.46	0.050	500.0	0	92.0	70	130				
1,1-Dichloroethene	0.50	0.050	500.0	0	101	70	130				
1,1-Dichloropropene	0.51	0.050	500.0	0	103	70	130				
1,2,3-Trichlorobenzene	0.60	0.050	500.0	0	120	70	130				
1,2,3-Trichloropropane	0.48	0.050	500.0	0	95.9	70	130				
1,2,3-Trimethylbenzene	0.53	0.050	500.0	0	107	70	130				
1,2,4-Trichlorobenzene	0.57	0.25	500.0	0	115	70	130				
1,2,4-Trimethylbenzene	0.55	0.050	500.0	0	109	70	130				
1,2-Dibromo-3-chloropropane	0.50	0.25	500.0	0	101	70	130				
1,2-Dichlorobenzene	0.53	0.050	500.0	0	105	70	130				
1,2-Dichloroethane	0.49	0.050	500.0	0	98.3	70	130				
1,2-Dichloropropane	0.51	0.050	500.0	0	102	70	130				
1,3,5-Trimethylbenzene	0.55	0.050	500.0	0	109	70	130				
1,3-Dichlorobenzene	0.52	0.050	500.0	0	105	70	130				
1,3-Dichloropropane	0.50	0.050	500.0	0	99.2	70	130				
1,4-Dichlorobenzene	0.52	0.050	500.0	0	104	70	130				
2,2-Dichloropropane	0.41	0.050	500.0	0	82.2	70	130				
2-Chloroethyl vinyl ether	0.52	0.50	500.0	0	103	70	130				
2-Chlorotoluene	0.52	0.050	500.0	0	104	70	130				
2-Hexanone	ND	2.5	500.0	0	106	70	130				
2-Methylnaphthalene	0.64	0.25	500.0	0	128	70	130				
2-Nitropropane	0.43	0.20	500.0	0	85.1	70	130				
4-Chlorotoluene	0.52	0.050	500.0	0	105	70	130				
Acetone	ND	2.5	500.0	0	112	70	130				
Acrylonitrile	0.47	0.25	500.0	0	94.7	70	130				
Benzene	0.47	0.030	500.0	0	93.5	70	130				

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	E	Value above quantitation range	H	Holding times for preparation or analys
M	Manual Integration used to determine area response	ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits
RL	Reporting Detection Limit	S	Spike Recovery outside accepted recovery limits		

CLIENT: PSC Environmental Services
Work Order: 0809042
Project: August Chemfuel

QC SUMMARY REPORT

TestCode: SW_8260S

Sample ID: **10ug/KG LCS 10uL** SampType: **LCS** TestCode: **SW_8260S** Units: **µg/Kg** Prep Date: RunNo: **23209**
Client ID: **LCSS** Batch ID: **R23209** TestNo: **SW8260B** Analysis Date: **9/9/2008** SeqNo: **385281**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Bromobenzene	0.53	0.050	500.0	0	105	70	130				
Bromochloromethane	0.48	0.050	500.0	0	95.8	70	130				
Bromodichloromethane	0.45	0.050	500.0	0	89.7	70	130				
Bromoform	0.48	0.050	500.0	0	95.5	70	130				
Bromomethane	0.57	0.25	500.0	0	115	70	130				
Carbon disulfide	0.56	0.25	500.0	0	112	70	130				
Carbon tetrachloride	0.50	0.050	500.0	0	101	70	130				
Chlorobenzene	0.49	0.050	500.0	0	97.1	70	130				
Chloroethane	0.55	0.25	500.0	0	110	70	130				
Chloroform	0.49	0.050	500.0	0	98.8	70	130				
Chloromethane	0.51	0.050	500.0	0	102	70	130				
cis-1,2-Dichloroethene	0.48	0.050	500.0	0	96.2	70	130				
cis-1,3-Dichloropropene	0.50	0.050	500.0	0	99.4	70	130				
Dibromochloromethane	0.48	0.050	500.0	0	95.5	70	130				
Dibromomethane	0.49	0.050	500.0	0	97.8	70	130				
Dichlorodifluoromethane	0.50	0.050	500.0	0	101	70	130				
Dichloromethane	0.62	0.25	500.0	0	124	70	130				
Diethyl ether	0.49	0.25	500.0	0	98.0	70	130				
Ethyl methacrylate	0.53	0.050	500.0	0	106	70	130				
Ethylbenzene	0.53	0.050	500.0	0	107	70	130				
Ethylene dibromide	0.52	0.050	500.0	0	104	70	130				
Hexachlorobutadiene	0.71	0.25	500.0	0	142	70	130				S
Hexachloroethane	0.45	0.050	500.0	0	89.5	70	130				
Isopropyl ether	0.50	0.25	500.0	0	100	70	130				
Isopropylbenzene	0.60	0.050	500.0	0	121	70	130				
m,p-Xylene	1.1	0.10	1,000	0	107	70	130				
Methyl ethyl ketone	0.51	0.25	500.0	0	102	70	130				
Methyl Iodide	0.33	0.25	500.0	0	66.3	70	130				S
Methyl isobutyl ketone	0.53	0.50	500.0	0	106	70	130				
Methyl tert-butyl ether	1.0	0.25	1,000	0	99.6	70	130				
Naphthalene	0.59	0.25	500.0	0	118	70	130				

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	E	Value above quantitation range	H	Holding times for preparation or analys
M	Manual Integration used to determine area response	ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits
RL	Reporting Detection Limit	S	Spike Recovery outside accepted recovery limits		

CLIENT: PSC Environmental Services
Work Order: 0809042
Project: August Chemfuel

QC SUMMARY REPORT

TestCode: SW_8260S

Sample ID: **10ug/KG LCS 10uL**	SampType: **LCS**	TestCode: **SW_8260S**	Units: **µg/Kg**	Prep Date:	RunNo: **23209**
Client ID: **LCSS**	Batch ID: **R23209**	TestNo: **SW8260B**		Analysis Date: **9/9/2008**	SeqNo: **385281**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
n-Butylbenzene	0.59	0.050	500.0	0	117	70	130				
n-Propylbenzene	0.55	0.050	500.0	0	110	70	130				
o-Xylene	0.52	0.050	500.0	0	104	70	130				
p-Isopropyltoluene	0.56	0.050	500.0	0	112	70	130				
sec-Butylbenzene	0.57	0.050	500.0	0	114	70	130				
Styrene	0.53	0.050	500.0	0	106	70	130				
t-Butyl alcohol	18	2.0	2,500	0	732	70	130				S
tert-Amyl Methyl Ether	0.50	0.20	500.0	0	99.3	70	130				
tert-Butyl Ethyl Ether	0.50	0.25	500.0	0	99.5	70	130				
tert-Butylbenzene	0.55	0.050	500.0	0	109	70	130				
Tetrachloroethene	0.56	0.050	500.0	0	111	70	130				
Toluene	0.52	0.050	500.0	0	104	70	130				
trans-1,2-Dichloroethene	0.49	0.050	500.0	0	97.7	70	130				
trans-1,3-Dichloropropene	0.48	0.050	500.0	0	96.9	70	130				
trans-1,4-Dichloro-2-butene	0.47	0.050	500.0	0	93.1	70	130				
Trichloroethene	0.51	0.050	500.0	0	101	70	130				
Trichlorofluoromethane	0.46	0.050	500.0	0	92.5	70	130				
Vinyl chloride	0.50	0.040	500.0	0	99.5	70	130				
Xylenes, Total	1.6	0.15	1,500	0	106	70	130				
Surr: 4-Bromofluorobenzene	2,500		2,500		99.5	90	115				
Surr: Dibromofluoromethane	2,400		2,500		97.2	88.4	108				
Surr: Toluene-d8	2,500		2,500		99.6	90	112				

Sample ID: **MBLK 1mLMEOH22**	SampType: **MBLK**	TestCode: **SW_8260S**	Units: **µg/Kg**	Prep Date:	RunNo: **23209**
Client ID: **PBS**	Batch ID: **R23209**	TestNo: **SW8260B**		Analysis Date: **9/9/2008**	SeqNo: **385282**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	ND	0.050									
1,1,1-Trichloroethane	ND	0.050									
1,1,2,2-Tetrachloroethane	ND	0.050									
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	0.050									

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	E	Value above quantitation range	H	Holding times for preparation or analys
M	Manual Integration used to determine area response	ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits
RL	Reporting Detection Limit	S	Spike Recovery outside accepted recovery limits		

CLIENT: PSC Environmental Services
Work Order: 0809042
Project: August Chemfuel

QC SUMMARY REPORT

TestCode: SW_8260S

Sample ID: **MBLK 1mLMEOH22** SampType: **MBLK** TestCode: **SW_8260S** Units: **µg/Kg** Prep Date: RunNo: **23209**
Client ID: **PBS** Batch ID: **R23209** TestNo: **SW8260B** Analysis Date: **9/9/2008** SeqNo: **385282**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,2-Trichloroethane	ND	0.050									
1,1-Dichloroethane	ND	0.050									
1,1-Dichloroethene	ND	0.050									
1,1-Dichloropropene	ND	0.050									
1,2,3-Trichlorobenzene	ND	0.050									
1,2,3-Trichloropropane	ND	0.050									
1,2,3-Trimethylbenzene	ND	0.050									
1,2,4-Trichlorobenzene	ND	0.25									
1,2,4-Trimethylbenzene	ND	0.050									
1,2-Dibromo-3-chloropropane	ND	0.25									
1,2-Dichlorobenzene	ND	0.050									
1,2-Dichloroethane	ND	0.050									
1,2-Dichloropropane	ND	0.050									
1,3,5-Trimethylbenzene	ND	0.050									
1,3-Dichlorobenzene	ND	0.050									
1,3-Dichloropropane	ND	0.050									
1,4-Dichlorobenzene	ND	0.050									
2,2-Dichloropropane	ND	0.050									
2-Chloroethyl vinyl ether	ND	0.50									
2-Chlorotoluene	ND	0.050									
2-Hexanone	ND	2.5									
2-Methylnaphthalene	ND	0.25									
2-Nitropropane	ND	0.20									
4-Chlorotoluene	ND	0.050									
Acetone	ND	2.5									
Acrylonitrile	ND	0.25									
Benzene	ND	0.030									
Bromobenzene	ND	0.050									
Bromochloromethane	ND	0.050									
Bromodichloromethane	ND	0.050									
Bromoform	ND	0.050									

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	E	Value above quantitation range	H	Holding times for preparation or analys
M	Manual Integration used to determine area response	ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits
RL	Reporting Detection Limit	S	Spike Recovery outside accepted recovery limits		

CLIENT: PSC Environmental Services
Work Order: 0809042
Project: August Chemfuel

QC SUMMARY REPORT

TestCode: SW_8260S

Sample ID: **MBLK 1mLMEOH22** SampType: **MBLK** TestCode: **SW_8260S** Units: **µg/Kg** Prep Date: RunNo: **23209**
Client ID: **PBS** Batch ID: **R23209** TestNo: **SW8260B** Analysis Date: **9/9/2008** SeqNo: **385282**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Bromomethane	ND	0.25									
Carbon disulfide	ND	0.25									
Carbon tetrachloride	ND	0.050									
Chlorobenzene	ND	0.050									
Chloroethane	ND	0.25									
Chloroform	ND	0.050									
Chloromethane	ND	0.050									
cis-1,2-Dichloroethene	ND	0.050									
cis-1,3-Dichloropropene	ND	0.050									
Dibromochloromethane	ND	0.050									
Dibromomethane	ND	0.050									
Dichlorodifluoromethane	ND	0.050									
Dichloromethane	ND	0.25									
Diethyl ether	ND	0.25									
Ethyl methacrylate	ND	0.050									
Ethylbenzene	ND	0.050									
Ethylene dibromide	ND	0.050									
Hexachlorobutadiene	ND	0.25									
Hexachloroethane	ND	0.050									
Isopropyl ether	ND	0.25									
Isopropylbenzene	ND	0.050									
m,p-Xylene	ND	0.10									
Methyl ethyl ketone	ND	0.25									
Methyl Iodide	ND	0.25									
Methyl isobutyl ketone	ND	0.50									
Methyl tert-butyl ether	ND	0.25									
Naphthalene	ND	0.25									
n-Butylbenzene	ND	0.050									
n-Propylbenzene	ND	0.050									
o-Xylene	ND	0.050									
p-Isopropyltoluene	ND	0.050									

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	E	Value above quantitation range	H	Holding times for preparation or analys
M	Manual Integration used to determine area response	ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits
RL	Reporting Detection Limit	S	Spike Recovery outside accepted recovery limits		

CLIENT: PSC Environmental Services
Work Order: 0809042
Project: August Chemfuel

QC SUMMARY REPORT

TestCode: SW_8260S

Sample ID: **MBLK 1mLMEOH22**	SampType: **MBLK**	TestCode: **SW_8260S**	Units: **µg/Kg**	Prep Date:	RunNo: **23209**
Client ID: **PBS**	Batch ID: **R23209**	TestNo: **SW8260B**		Analysis Date: **9/9/2008**	SeqNo: **385282**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
sec-Butylbenzene	ND	0.050									
Styrene	ND	0.050									
t-Butyl alcohol	ND	2.0									
tert-Amyl Methyl Ether	ND	0.20									
tert-Butyl Ethyl Ether	ND	0.25									
tert-Butylbenzene	ND	0.050									
Tetrachloroethene	ND	0.050									
Toluene	ND	0.050									
trans-1,2-Dichloroethene	ND	0.050									
trans-1,3-Dichloropropene	ND	0.050									
trans-1,4-Dichloro-2-butene	ND	0.050									
Trichloroethene	ND	0.050									
Trichlorofluoromethane	ND	0.050									
Vinyl chloride	ND	0.040									
Xylenes, Total	ND	0.15									
Surr: 4-Bromofluorobenzene	2,500		2,500		102	90	115				
Surr: Dibromofluoromethane	2,400		2,500		96.5	88.4	108				
Surr: Toluene-d8	2,500		2,500		99.6	90	112				

Sample ID: **0809172-006A MS**	SampType: **MS**	TestCode: **SW_8260S**	Units: **µg/Kg-dry**	Prep Date:	RunNo: **23209**
Client ID: **ZZZZZZ**	Batch ID: **R23209**	TestNo: **SW8260B**		Analysis Date: **9/10/2008**	SeqNo: **385286**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	0.56	0.058	580.2	0	96.7	81.7	109				
1,1,1-Trichloroethane	0.55	0.058	580.2	0	94.4	73.7	114				
1,1,2,2-Tetrachloroethane	0.58	0.058	580.2	0	101	72.6	139				
1,1,2-Trichloro-1,2,2-trifluoroethane	0.55	0.058	580.2	0	94.6	62.1	118				
1,1,2-Trichloroethane	0.56	0.058	580.2	0	95.7	68.8	130				
1,1-Dichloroethane	0.54	0.058	580.2	0	92.4	79.3	111				
1,1-Dichloroethene	0.56	0.058	580.2	0	96.7	67.3	116				
1,1-Dichloropropene	0.61	0.058	580.2	0	105	32	140				

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	E	Value above quantitation range	H	Holding times for preparation or analys
M	Manual Integration used to determine area response	ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits
RL	Reporting Detection Limit	S	Spike Recovery outside accepted recovery limits		

CLIENT: PSC Environmental Services
Work Order: 0809042
Project: August Chemfuel

QC SUMMARY REPORT

TestCode: SW_8260S

Sample ID: **0809172-006A MS** SampType: **MS** TestCode: **SW_8260S** Units: **µg/Kg-dry** Prep Date: RunNo: **23209**
Client ID: **ZZZZZZ** Batch ID: **R23209** TestNo: **SW8260B** Analysis Date: **9/10/2008** SeqNo: **385286**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,3-Trichlorobenzene	0.60	0.058	580.2	0	103	87.3	130				
1,2,3-Trichloropropane	0.49	0.058	580.2	0	85.3	68.8	112				
1,2,3-Trimethylbenzene	1.9	0.058	580.2	1,300	110	51.6	132				
1,2,4-Trichlorobenzene	0.60	0.29	580.2	0	103	87.8	130				
1,2,4-Trimethylbenzene	4.9	0.058	580.2	4,556	64.7	76.2	131				S
1,2-Dibromo-3-chloropropane	0.55	0.29	580.2	0	94.6	45.6	162				
1,2-Dichlorobenzene	0.63	0.058	580.2	0	109	85.9	113				
1,2-Dichloroethane	0.54	0.058	580.2	0	93.9	85.8	116				
1,2-Dichloropropane	0.60	0.058	580.2	0	103	83.6	110				
1,3,5-Trimethylbenzene	1.8	0.058	580.2	1,247	88.5	44.6	174				
1,3-Dichlorobenzene	0.59	0.058	580.2	0	101	84.7	119				
1,3-Dichloropropane	0.55	0.058	580.2	0	94.0	86.2	113				
1,4-Dichlorobenzene	0.64	0.058	580.2	0	110	85.2	111				
2,2-Dichloropropane	0.46	0.058	580.2	0	79.7	40	108				
2-Chloroethyl vinyl ether	ND	0.58	580.2	0	94.9	82	114				
2-Chlorotoluene	0.61	0.058	580.2	0	104	75.7	126				
2-Hexanone	ND	2.9	580.2	0	99.5	51.3	170				
2-Methylnaphthalene	0.70	0.29	580.2	154.9	94.3	75.2	127				
2-Nitropropane	2.9	0.23	580.2	0	498	70	130				S
4-Chlorotoluene	0.58	0.058	580.2	0	101	79.6	130				
Acetone	ND	2.9	580.2	0	96.3	77.5	159				
Acrylonitrile	0.90	0.29	580.2	0	154	64.8	137				S
Benzene	3.7	0.035	580.2	3,229	74.3	52.5	136				
Bromobenzene	0.59	0.058	580.2	0	102	84.7	114				
Bromochloromethane	0.53	0.058	580.2	0	91.0	83.1	118				
Bromodichloromethane	0.57	0.058	580.2	0	98.6	60.9	129				
Bromoform	0.49	0.058	580.2	0	84.0	77.4	111				
Bromomethane	0.59	0.29	580.2	0	102	63.1	189				
Carbon disulfide	0.61	0.29	580.2	0	106	65.3	113				
Carbon tetrachloride	0.56	0.058	580.2	0	95.8	69.7	116				
Chlorobenzene	0.60	0.058	580.2	0	103	80.9	120				

Qualifiers:
*/X Value exceeds Maximum Contaminant Level
E Value above quantitation range
H Holding times for preparation or analys
M Manual Integration used to determine area response
ND Not Detected at the Reporting Limit
R RPD outside accepted recovery limits
RL Reporting Detection Limit
S Spike Recovery outside accepted recovery limits

CLIENT: PSC Environmental Services
Work Order: 0809042
Project: August Chemfuel

QC SUMMARY REPORT

TestCode: SW_8260S

Sample ID: **0809172-006A MS** SampType: **MS** TestCode: **SW_8260S** Units: **µg/Kg-dry** Prep Date: RunNo: **23209**
Client ID: **ZZZZZZ** Batch ID: **R23209** TestNo: **SW8260B** Analysis Date: **9/10/2008** SeqNo: **385286**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chloroethane	0.88	0.29	580.2	0	152	79.8	154				
Chloroform	0.60	0.058	580.2	0	103	80.7	112				
Chloromethane	0.53	0.058	580.2	0	91.9	36.2	126				
cis-1,2-Dichloroethene	0.53	0.058	580.2	0	90.7	65.6	111				
cis-1,3-Dichloropropene	0.58	0.058	580.2	0	99.9	76.4	112				
Dibromochloromethane	0.51	0.058	580.2	0	87.7	81.3	110				
Dibromomethane	0.57	0.058	580.2	0	98.5	87.9	118				
Dichlorodifluoromethane	0.56	0.058	580.2	0	95.9	27.1	121				
Dichloromethane	0.56	0.29	580.2	35.39	89.6	65	121				
Diethyl ether	0.52	0.29	580.2	0	90.0	88.2	110				
Ethyl methacrylate	0.61	0.058	580.2	0	104	72.1	128				
Ethylbenzene	8.7	0.058	580.2	8,261	70.4	82.3	119				S
Ethylene dibromide	0.59	0.058	580.2	0	101	89.2	115				
Hexachlorobutadiene	0.65	0.29	580.2	0	112	69.8	144				
Hexachloroethane	0.62	0.058	580.2	0	106	27.8	139				
Isopropyl ether	0.56	0.29	580.2	0	96.2	76.7	117				
Isopropylbenzene	1.0	0.058	580.2	334.8	117	77.3	131				
m,p-Xylene	23	0.12	1,160	22,860	51.9	80.2	120				SE
Methyl ethyl ketone	0.57	0.29	580.2	0	98.2	61	126				
Methyl Iodide	0.37	0.29	580.2	0	63.8	70	130				S
Methyl isobutyl ketone	0.62	0.58	580.2	0	107	59	146				
Methyl tert-butyl ether	1.1	0.29	1,160	0	92.5	81.2	116				
Naphthalene	1.0	0.29	580.2	476.3	97.6	86.9	133				
n-Butylbenzene	0.84	0.058	580.2	222.2	107	67.8	125				
n-Propylbenzene	1.4	0.058	580.2	782.1	98.5	80.9	125				
o-Xylene	10	0.058	580.2	10,020	46.9	71.1	130				S
p-Isopropyltoluene	0.61	0.058	580.2	25.53	101	50.1	163				
sec-Butylbenzene	0.63	0.058	580.2	34.23	103	71.3	139				
Styrene	0.59	0.058	580.2	0	102	87.8	123				
t-Butyl alcohol	100	2.3	2,901	0	3,570	70	130				S
tert-Amyl Methyl Ether	0.51	0.23	580.2	0	88.0	78.9	111				

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	E	Value above quantitation range	H	Holding times for preparation or analys
M	Manual Integration used to determine area response	ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits
RL	Reporting Detection Limit	S	Spike Recovery outside accepted recovery limits		

CLIENT: PSC Environmental Services
Work Order: 0809042
Project: August Chemfuel

QC SUMMARY REPORT

TestCode: SW_8260S

Sample ID: **0809172-006A MS**	SampType: **MS**	TestCode: **SW_8260S**	Units: **µg/Kg-dry**	Prep Date:	RunNo: **23209**
Client ID: **ZZZZZZ**	Batch ID: **R23209**	TestNo: **SW8260B**		Analysis Date: **9/10/2008**	SeqNo: **385286**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
tert-Butyl Ethyl Ether	0.58	0.29	580.2	0	100	69.9	132				
tert-Butylbenzene	0.60	0.058	580.2	0	103	80.7	119				
Tetrachloroethene	0.62	0.058	580.2	0	107	42.7	186				
Toluene	20	0.058	580.2	19,470	55.2	81.9	119				SE
trans-1,2-Dichloroethene	0.55	0.058	580.2	0	94.4	75.7	115				
trans-1,3-Dichloropropene	0.55	0.058	580.2	0	94.5	75.7	111				
trans-1,4-Dichloro-2-butene	0.35	0.058	580.2	0	59.6	52.9	136				
Trichloroethene	0.59	0.058	580.2	0	102	78.2	120				
Trichlorofluoromethane	0.52	0.058	580.2	0	88.8	70	130				
Vinyl chloride	0.52	0.046	580.2	0	90.4	37.5	128				
Xylenes, Total	34	0.17	1,741	32,890	50.3	62.1	143				S
Surr: 4-Bromofluorobenzene	2,900		2,901		98.4	95.9	130				
Surr: Dibromofluoromethane	2,600		2,901		91.1	90.4	111				
Surr: Toluene-d8	2,900		2,901		99.8	100	116				S

Sample ID: **0809172-006A MSD**	SampType: **MSD**	TestCode: **SW_8260S**	Units: **µg/Kg-dry**	Prep Date:	RunNo: **23209**
Client ID: **ZZZZZZ**	Batch ID: **R23209**	TestNo: **SW8260B**		Analysis Date: **9/10/2008**	SeqNo: **385287**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	0.59	0.058	580.2	0	102	81.7	109	561.0	4.94	15.7	
1,1,1-Trichloroethane	0.53	0.058	580.2	0	91.4	73.7	114	547.7	3.23	16.8	
1,1,2,2-Tetrachloroethane	0.56	0.058	580.2	0	97.3	72.6	139	583.7	3.34	16.7	
1,1,2-Trichloro-1,2,2-trifluoroethane	0.54	0.058	580.2	0	93.1	62.1	118	548.8	1.60	25.7	
1,1,2-Trichloroethane	0.55	0.058	580.2	0	94.2	68.8	130	555.2	1.58	15.9	
1,1-Dichloroethane	0.54	0.058	580.2	0	93.7	79.3	111	536.1	1.40	16.6	
1,1-Dichloroethene	0.57	0.058	580.2	0	98.4	67.3	116	561.0	1.74	20	
1,1-Dichloropropene	0.60	0.058	580.2	0	104	32	140	610.9	1.15	18.5	
1,2,3-Trichlorobenzene	0.62	0.058	580.2	0	107	87.3	130	597.0	4.09	18.8	
1,2,3-Trichloropropane	0.50	0.058	580.2	0	86.6	68.8	112	494.9	1.51	19.4	
1,2,3-Trimethylbenzene	1.9	0.058	580.2	1,300	110	51.6	132	1,941	0.150	16.2	
1,2,4-Trichlorobenzene	0.64	0.29	580.2	0	110	87.8	130	599.9	5.91	23	

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	E	Value above quantitation range	H	Holding times for preparation or analys
M	Manual Integration used to determine area response	ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits
RL	Reporting Detection Limit	S	Spike Recovery outside accepted recovery limits		

CLIENT: PSC Environmental Services
Work Order: 0809042
Project: August Chemfuel

QC SUMMARY REPORT

TestCode: SW_8260S

Sample ID: **0809172-006A MSD** SampType: **MSD** TestCode: **SW_8260S** Units: **µg/Kg-dry** Prep Date: RunNo: **23209**
Client ID: **ZZZZZZ** Batch ID: **R23209** TestNo: **SW8260B** Analysis Date: **9/10/2008** SeqNo: **385287**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trimethylbenzene	5.1	0.058	580.2	4,556	89.9	76.2	131	4,932	2.92	20.6	
1,2-Dibromo-3-chloropropane	0.56	0.29	580.2	0	96.8	45.6	162	548.8	2.30	48.7	
1,2-Dichlorobenzene	0.62	0.058	580.2	0	106	85.9	113	634.7	2.97	17.5	
1,2-Dichloroethane	0.56	0.058	580.2	0	96.7	85.8	116	544.8	2.94	13.9	
1,2-Dichloropropane	0.62	0.058	580.2	0	106	83.6	110	597.6	3.06	18.1	
1,3,5-Trimethylbenzene	1.8	0.058	580.2	1,247	93.3	44.6	174	1,760	1.57	19.2	
1,3-Dichlorobenzene	0.59	0.058	580.2	0	101	84.7	119	585.4	0.593	22.5	
1,3-Dichloropropane	0.56	0.058	580.2	0	96.5	86.2	113	545.4	2.62	17.2	
1,4-Dichlorobenzene	0.63	0.058	580.2	0	108	85.2	111	638.8	1.46	16.2	
2,2-Dichloropropane	0.50	0.058	580.2	0	86.6	40	108	462.4	8.30	16	
2-Chloroethyl vinyl ether	0.58	0.58	580.2	0	101	82	114	550.6	6.03	18.4	
2-Chlorotoluene	0.63	0.058	580.2	0	109	75.7	126	605.1	4.77	17.2	
2-Hexanone	ND	2.9	580.2	0	98.8	51.3	170	577.3	0	40	
2-Methylnaphthalene	0.72	0.29	580.2	154.9	97.4	75.2	127	702.0	2.53	26.8	
2-Nitropropane	2.8	0.23	4,061	0	68.8	70	130	2,890	3.33	56.4	S
4-Chlorotoluene	0.59	0.058	580.2	0	101	79.6	130	584.2	0.297	35.6	
Acetone	ND	2.9	580.2	0	94.0	77.5	159	558.7	0	40	
Acrylonitrile	1.0	0.29	580.2	0	172	64.8	137	895.2	10.9	24.5	S
Benzene	3.8	0.035	580.2	3,229	96.8	52.5	136	3,660	3.50	13.5	
Bromobenzene	0.62	0.058	580.2	0	106	84.7	114	592.9	4.03	19.6	
Bromochloromethane	0.53	0.058	580.2	0	91.4	83.1	118	528.0	0.439	17	
Bromodichloromethane	0.57	0.058	580.2	0	98.5	60.9	129	572.1	0.101	18.3	
Bromoform	0.49	0.058	580.2	0	85.3	77.4	111	487.3	1.54	16.4	
Bromomethane	0.63	0.29	580.2	0	109	63.1	189	590.6	6.83	40.4	
Carbon disulfide	0.62	0.29	580.2	0	108	65.3	113	614.4	1.59	22	
Carbon tetrachloride	0.56	0.058	580.2	0	97.1	69.7	116	555.8	1.35	21	
Chlorobenzene	0.62	0.058	580.2	0	107	80.9	120	596.4	4.00	16	
Chloroethane	0.86	0.29	580.2	0	148	79.8	154	881.9	2.60	28.2	
Chloroform	0.64	0.058	580.2	0	110	80.7	112	597.6	6.75	14.7	
Chloromethane	0.54	0.058	580.2	0	93.6	36.2	126	533.2	1.83	33.6	
cis-1,2-Dichloroethene	0.57	0.058	580.2	0	98.6	65.6	111	526.2	8.35	24.9	

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	E	Value above quantitation range	H	Holding times for preparation or analys
M	Manual Integration used to determine area response	ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits
RL	Reporting Detection Limit	S	Spike Recovery outside accepted recovery limits		

CLIENT: PSC Environmental Services
Work Order: 0809042
Project: August Chemfuel

QC SUMMARY REPORT

TestCode: SW_8260S

Sample ID: **0809172-006A MSD** SampType: **MSD** TestCode: **SW_8260S** Units: **µg/Kg-dry** Prep Date: RunNo: **23209**
Client ID: **ZZZZZZ** Batch ID: **R23209** TestNo: **SW8260B** Analysis Date: **9/10/2008** SeqNo: **385287**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
cis-1,3-Dichloropropene	0.58	0.058	580.2	0	100	76.4	112	579.6	0.300	18.7	
Dibromochloromethane	0.51	0.058	580.2	0	87.8	81.3	110	508.8	0.114	19.4	
Dibromomethane	0.57	0.058	580.2	0	98.8	87.9	118	571.5	0.304	15.2	
Dichlorodifluoromethane	0.55	0.058	580.2	0	94.2	27.1	121	556.4	1.79	34.1	
Dichloromethane	0.57	0.29	580.2	35.39	91.4	65	121	555.2	1.86	31.8	
Diethyl ether	0.58	0.29	580.2	0	100	88.2	110	522.2	10.5	21.2	
Ethyl methacrylate	0.62	0.058	580.2	0	107	72.1	128	605.7	2.46	18.3	
Ethylbenzene	9.0	0.058	580.2	8,261	119	82.3	119	8,670	3.20	15.5	
Ethylene dibromide	0.58	0.058	580.2	0	99.4	89.2	115	587.7	1.89	17.6	
Hexachlorobutadiene	0.61	0.29	580.2	0	105	69.8	144	648.1	5.71	24	
Hexachloroethane	0.64	0.058	580.2	0	111	27.8	139	616.1	4.06	15.7	
Isopropyl ether	0.57	0.29	580.2	0	98.9	76.7	117	558.1	2.77	15.4	
Isopropylbenzene	1.0	0.058	580.2	334.8	119	77.3	131	1,013	1.42	15.9	
m,p-Xylene	24	0.12	1,160	22,860	107	80.2	120	23,470	2.70	17.3	E
Methyl ethyl ketone	0.63	0.29	580.2	0	109	61	126	569.7	10.6	34	
Methyl Iodide	0.38	0.29	580.2	0	66.2	70	130	370.2	3.69	25	S
Methyl isobutyl ketone	0.65	0.58	580.2	0	111	59	146	619.6	4.04	33.7	
Methyl tert-butyl ether	1.1	0.29	1,160	0	98.8	81.2	116	1,074	6.53	17.5	
Naphthalene	1.1	0.29	580.2	476.3	101	86.9	133	1,043	1.87	17.1	
n-Butylbenzene	0.86	0.058	580.2	222.2	110	67.8	125	844.2	2.24	22.4	
n-Propylbenzene	1.4	0.058	580.2	782.1	101	80.9	125	1,354	1.19	16.5	
o-Xylene	11	0.058	580.2	10,020	113	71.1	130	10,290	3.65	16	
p-Isopropyltoluene	0.62	0.058	580.2	25.53	102	50.1	163	613.2	0.660	19.2	
sec-Butylbenzene	0.63	0.058	580.2	34.23	102	71.3	139	631.8	0.830	18.8	
Styrene	0.61	0.058	580.2	0	106	87.8	123	594.1	3.45	16	
t-Butyl alcohol	110	2.3	2,901	0	3,760	70	130	103,500	5.23	17.1	S
tert-Amyl Methyl Ether	0.52	0.23	580.2	0	89.9	78.9	111	510.6	2.14	14.3	
tert-Butyl Ethyl Ether	0.55	0.29	580.2	0	94.0	69.9	132	580.8	6.29	30.6	
tert-Butylbenzene	0.61	0.058	580.2	0	105	80.7	119	598.7	1.35	19.2	
Tetrachloroethene	0.64	0.058	580.2	0	110	42.7	186	620.8	2.95	41.2	
Toluene	20	0.058	580.2	19,470	94.7	81.9	119	19,790	1.15	16.2	E

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	E	Value above quantitation range	H	Holding times for preparation or analys
M	Manual Integration used to determine area response	ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits
RL	Reporting Detection Limit	S	Spike Recovery outside accepted recovery limits		

CLIENT: PSC Environmental Services
Work Order: 0809042
Project: August Chemfuel

QC SUMMARY REPORT

TestCode: SW_8260S

Sample ID: **0809172-006A MSD** SampType: **MSD** TestCode: **SW_8260S** Units: **µg/Kg-dry** Prep Date: RunNo: **23209**
Client ID: **ZZZZZZ** Batch ID: **R23209** TestNo: **SW8260B** Analysis Date: **9/10/2008** SeqNo: **385287**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
trans-1,2-Dichloroethene	0.55	0.058	580.2	0	95.3	75.7	115	547.7	0.949	17.1	
trans-1,3-Dichloropropene	0.56	0.058	580.2	0	96.4	75.7	111	548.3	1.99	19.3	
trans-1,4-Dichloro-2-butene	0.60	0.058	580.2	0	103	52.9	136	345.8	53.4	17	R
Trichloroethene	0.59	0.058	580.2	0	101	78.2	120	591.2	0.591	19	
Trichlorofluoromethane	0.51	0.058	580.2	0	88.1	70	130	515.2	0.791	25	
Vinyl chloride	0.53	0.046	580.2	0	91.6	37.5	128	524.5	1.32	33.3	
Xylenes, Total	35	0.17	1,741	32,890	109	62.1	143	33,760	2.99	16.5	
Surr: 4-Bromofluorobenzene	2,800		2,901		97.3	95.9	130		0	25	
Surr: Dibromofluoromethane	2,700		2,901		92.2	90.4	111		0	25	
Surr: Toluene-d8	2,900		2,901		98.9	100	116		0	25	S

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	E	Value above quantitation range	H	Holding times for preparation or analys
M	Manual Integration used to determine area response	ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits
RL	Reporting Detection Limit	S	Spike Recovery outside accepted recovery limits		

CLIENT: PSC Environmental Services
Work Order: 0809042
Project: August Chemfuel

QC SUMMARY REPORT

TestCode: SW_8315S

Sample ID: **lcs**	SampType: **LCS**	TestCode: **sw_8315s**	Units: **µg/Kg**	Prep Date:	RunNo: **23505**
Client ID: **LCSW**	Batch ID: **R23505**	TestNo: **SW8315A**		Analysis Date: **9/19/2008**	SeqNo: **391340**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Formaldehyde	9.1	0.20	10,000	0	91.1	85	115				

Sample ID: **lcsd**	SampType: **LCSD**	TestCode: **sw_8315s**	Units: **µg/Kg**	Prep Date:	RunNo: **23505**
Client ID: **LCSS02**	Batch ID: **R23505**	TestNo: **SW8315A**		Analysis Date: **9/19/2008**	SeqNo: **391341**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Formaldehyde	9.0	0.20	10,000	0	89.9	85	115	9,111	1.38	25	

Sample ID: **mb**	SampType: **MBLK**	TestCode: **sw_8315s**	Units: **µg/Kg**	Prep Date:	RunNo: **23505**
Client ID: **PBW**	Batch ID: **R23505**	TestNo: **SW8315A**		Analysis Date: **9/19/2008**	SeqNo: **391342**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Formaldehyde	ND	0.20									

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	E	Value above quantitation range	H	Holding times for preparation or analys
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RL	Reporting Detection Limit	S	Spike Recovery outside accepted recovery limits		

RTI LABORATORIES, INC.

CHAIN OF CUSTODY RECORD

A2LA Cert #570.01/02 NELAC Cert #00C0[illegible] MBE Cert #R-[illegible]-424

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0808042

MAIN LAB/HEADQUARTERS
RTI LABORATORIES, INC.
31628 Glendale Street
Livonia, MI 48150-1827
Phone (734) 422-8000
Fax (734) 422-5342
www.rtilab.com

Please Include Email Address of Report Recipient Whenever Possible !!!

SUBMITTING COMPANY: PSC Environmental

PROJECT NAME: August Chemfuel

PROJECT #:

QUOTE #:

SPECIAL INSTRUCTIONS / COMMENTS:

REPORT TO: Shamar Sanders

COMPANY:

PHONE: (313) 824-5744

FAX:

EMAIL:

BILL TO:

SAMPLER'S PRINTED NAME:

SAMPLER'S SIGNATURE:

ITEM #	SAMPLE I.D.	DATE SAMPLED	TIME SAMPLED	AIR	SOLID	FLUID	VOLUME	SAMPLE DESCRIPTION	NBR OF CONTAINERS	8015	8260	9315	voc content / BTU metals					COMMENTS Methanol Preserved Weights HOT Sample Notation etc.
1	August 80 Chemfuel	9/2	10:00						1	✓	✓	✓	✓					
2																		
3																		
4																		
5																		
6																		
7																		
8																		
9																		
10																		

Relinquished By	Date	Time	Received By	Date	Time
[signature]	9/2/08	11:45	Matt Dryman	9-2-8	11:45
Matt Dryman	9-2-8	17:15	RTI Cooler	9-2-8	17:15
RTI Cooler	9/3/08	9:44	J. Brown	9/3/08	9:44

TAT: Standard ☐ RUSH: Next BD ☐ 2nd BD ☐ 3rd BD ☐

Note: RUSH requests will incur surcharges!

FOR LAB USE ONLY

Were samples preserved: ☒ in field ☐ in lab ☐ N/A

Were samples filtered: ☐ in field ☐ in lab ☒ N/A

Temp of samples: 4.8 °C On Wet Ice ? yes

Comments:

Distribution: White and Yellow - Lab Pink - Field

See reverse side for Laboratory Terms and Conditions of service

RTI LABORATORIES, INC.

31628 Glendale St.
Livonia, Michigan 48150
TEL: 734.422.8000
FAX: 734.422.5342
Website: www.rtilab.com

November 10, 2008

Shamer Sanders
PSC Environmental Services
515 Lycaste St
Detroit, MI 48214-3473

TEL: (313) 824-5744
FAX: (313) 824-5424

RE: Drum Composites

Order No.: 0811048

Dear Shamer Sanders:

RTI Laboratories received 2 sample(s) on 11/3/2008 for the analyses presented in the following report.

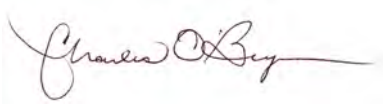
There were no problems with the analytical events associated with this report unless noted in the Case Narrative.

This report may only be reproduced in its entirety. Individual pages, reproduced without supporting documentation, do not contain related information and may be misinterpreted by other data reviewers.

Quality control data is within laboratory defined or method specified acceptance limits except if noted.

If you have any questions regarding these tests results, please feel free to call.

Sincerely,



Charles O`Bryan
Director, Quality Management
31628 Glendale St.
Livonia, Michigan 48150

RTI LABORATORIES, INC.

31628 Glendale St.
Livonia, Michigan 48150
TEL: 734.422.8000
FAX: 734.422.5342
Website: www.rtilab.com

Case Narrative

WO#: **0811048**
Date: **11/10/2008**

CLIENT: PSC Environmental Services
Project: Drum Composites

This report in its entirety consists of the documents listed below. All documents contain the RTI Work Order Number assigned to this report.

1. Paginated Report including: Case Narrative, Analytical Results and Applicable Quality Control Summary Reports.

2. A Cover Letter that immediately precedes the Paginated Report.

3. Paginated copies of the Chain of Custody Documents supplied with this sample set.

Concentrations reported with a J flag in the Qual field are values below the reporting limit (RL) but greater than the established method detection limit (MDL). There is greater uncertainty associated with these results and data should be considered as estimated.

Concentrations reported with an E flag in the Qual field are values that exceed the upper quantification range. There is greater uncertainty associated with these results and data should be considered as estimated.

Any comments or problems with the analytical events associated with this report are noted below.

Comments for SW_1311, Sample 0811048-001A: Limited sample volume submitted, client authorized TCLP extraction using <100 g.

Comments for SW_1311, Sample 0811048-002A: Limited sample volume submitted, client authorized TCLP extraction using <100 g.

RTI LABORATORIES, INC.

31628 Glendale St.
Livonia, Michigan 48150
TEL: 734.422.8000
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Analytical Report

(consolidated)

WO#: **0811048**

Date Reported: **11/10/2008**

CLIENT: PSC Environmental Services **Collection Date:** 10/31/2008

Project: Drum Composites

Lab ID: 0811048-001 **Matrix:** DUST

Client Sample ID Drum Composite #1

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
TCLP RCRA METALS METALS, ICP/MS				**SW6020A**		Analyst: **AV**
Arsenic	ND	0.010		mg/L	10	11/7/2008 10:42:17 AM
Barium	0.30	0.020		mg/L	10	11/7/2008 10:42:17 AM
Cadmium	ND	0.0010		mg/L	10	11/7/2008 10:42:17 AM
Chromium	0.022	0.010		mg/L	10	11/7/2008 10:42:17 AM
Lead	0.0033	0.010	J	mg/L	10	11/7/2008 10:42:17 AM
Selenium	ND	0.010		mg/L	10	11/7/2008 10:42:17 AM
Silver	ND	0.0010		mg/L	10	11/6/2008 3:12:24 PM
TCLP RCRA METALS MERCURY				**SW7470A**		Analyst: **AB2**
Mercury	ND	0.00020		mg/L	1	11/8/2008 10:43:11 AM

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level
E	Value above quantitation range
J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit
S	Spike Recovery outside accepted recovery limits
B	Analyte detected in the associated Method Blank
H	Holding times for preparation or analysis exceeded
M	Manual Integration used to determine area response
RL	Reporting Detection Limit

RTI LABORATORIES, INC.

31628 Glendale St.
Livonia, Michigan 48150
TEL: 734.422.8000
FAX: 734.422.5342
Website: www.rtilab.com

Analytical Report

(consolidated)

WO#: **0811048**

Date Reported: **11/10/2008**

CLIENT: PSC Environmental Services **Collection Date:** 10/31/2008

Project: Drum Composites

Lab ID: 0811048-002 **Matrix:** DUST

Client Sample ID Drum Composite #2

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
TCLP RCRA METALS METALS, ICP/MS				**SW6020A**		Analyst: **AV**
Arsenic	0.0054	0.010	J	mg/L	10	11/7/2008 10:44:59 AM
Barium	0.35	0.020		mg/L	10	11/7/2008 10:44:59 AM
Cadmium	ND	0.0010		mg/L	10	11/7/2008 10:44:59 AM
Chromium	0.018	0.010		mg/L	10	11/7/2008 10:44:59 AM
Lead	0.0039	0.010	J	mg/L	10	11/7/2008 10:44:59 AM
Selenium	ND	0.010		mg/L	10	11/7/2008 10:44:59 AM
Silver	ND	0.0010		mg/L	10	11/6/2008 3:13:57 PM
TCLP RCRA METALS MERCURY				**SW7470A**		Analyst: **AB2**
Mercury	ND	0.00020		mg/L	1	11/8/2008 10:44:50 AM

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level
E	Value above quantitation range
J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit
S	Spike Recovery outside accepted recovery limits
B	Analyte detected in the associated Method Blank
H	Holding times for preparation or analysis exceeded
M	Manual Integration used to determine area response
RL	Reporting Detection Limit

Lab Order: 0811048
Client: PSC Environmental Services
Project: Drum Composites

DATES REPORT

Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	TCLP Date	Prep Date	Analysis Date
0811048-001A	Drum Composite #1	10/31/2008	Dust	Mercury		11/7/2008	11/8/2008
				Metals, ICP/MS		11/6/2008	11/7/2008
				Metals, ICP/MS		11/6/2008	11/6/2008
0811048-002A	Drum Composite #2			Mercury		11/7/2008	11/8/2008
				Metals, ICP/MS		11/6/2008	11/7/2008
				Metals, ICP/MS		11/6/2008	11/7/2008
				Metals, ICP/MS		11/6/2008	11/6/2008

CLIENT: PSC Environmental Services
Work Order: 0811048
Project: Drum Composites

QC SUMMARY REPORT

BatchID: 12926

Sample ID: **LCS-12926**	SampType: **LCS**	TestCode: **SW_6020A**	Units: **µg/L**	Prep Date: **11/6/2008**	RunNo: **24433**
Client ID: **LCSW**	Batch ID: **12926**	TestNo: **SW6020A**		Analysis Date: **11/7/2008**	SeqNo: **409820**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	1.0	0.0020	1,000	0	103	80	120				
Barium	1.0	0.010	1,000	0	103	80	120				
Cadmium	0.99	0.010	1,000	0	99.2	80	120				
Chromium	1.0	0.010	1,000	0	103	80	120				
Lead	0.93	0.0020	1,000	0	92.6	80	120				
Selenium	1.0	0.010	1,000	0	101	80	120				

Sample ID: **MB-12926**	SampType: **MBLK**	TestCode: **SW_6020A**	Units: **µg/L**	Prep Date: **11/6/2008**	RunNo: **24433**
Client ID: **PBW**	Batch ID: **12926**	TestNo: **SW6020A**		Analysis Date: **11/7/2008**	SeqNo: **409821**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	ND	0.00020									
Barium	0.000073	0.0010									J
Cadmium	ND	0.0010									
Chromium	0.0011	0.0010									
Lead	0.00018	0.00020									J
Selenium	ND	0.0010									

Sample ID: **0811096-001AMS**	SampType: **MS**	TestCode: **SW_6020A**	Units: **µg/L**	Prep Date: **11/6/2008**	RunNo: **24433**
Client ID: **ZZZZZZ**	Batch ID: **12926**	TestNo: **SW6020A**		Analysis Date: **11/7/2008**	SeqNo: **409824**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	1.1	0.0020	1,000	97.28	104	75	125				
Barium	1.6	0.010	1,000	543.0	102	75	125				
Cadmium	0.96	0.010	1,000	0	96.5	75	125				
Chromium	1.1	0.010	1,000	15.09	104	75	125				
Lead	0.90	0.0020	1,000	3.968	90.0	75	125				
Selenium	0.99	0.010	1,000	2.646	98.3	75	125				

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	E	Value above quantitation range	H	Holding times for preparation or analys
J	Analyte detected below quantitation limits	M	Manual Integration used to determine area response	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit	S	Spike Recovery outside accepted recov

CLIENT: PSC Environmental Services
Work Order: 0811048
Project: Drum Composites

QC SUMMARY REPORT

BatchID: 12926

Sample ID: **0811096-001AMSD** SampType: **MSD** TestCode: **SW_6020A** Units: **µg/L** Prep Date: **11/6/2008** RunNo: **24433**
Client ID: **ZZZZZZ** Batch ID: **12926** TestNo: **SW6020A** Analysis Date: **11/7/2008** SeqNo: **409825**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	1.1	0.0020	1,000	97.28	102	75	125	1,136	1.91	25	
Barium	1.6	0.010	1,000	543.0	104	75	125	1,566	1.11	25	
Cadmium	0.97	0.010	1,000	0	96.7	75	125	965.0	0.259	25	
Chromium	1.0	0.010	1,000	15.09	103	75	125	1,051	0.211	25	
Lead	0.91	0.0020	1,000	3.968	90.8	75	125	904.0	0.829	25	
Selenium	0.97	0.010	1,000	2.646	96.4	75	125	985.6	1.97	25	

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	E	Value above quantitation range	H	Holding times for preparation or analys
J	Analyte detected below quantitation limits	M	Manual Integration used to determine area response	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit	S	Spike Recovery outside accepted recov

CLIENT: PSC Environmental Services
Work Order: 0811048
Project: Drum Composites

QC SUMMARY REPORT

BatchID: 12928

Sample ID: **0811096-001AMS**	SampType: **MS**	TestCode: **SW_6020A**	Units: **µg/L**	Prep Date: **11/6/2008**	RunNo: **24415**
Client ID: **ZZZZZZ**	Batch ID: **12928**	TestNo: **SW6020A**		Analysis Date: **11/6/2008**	SeqNo: **409661**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Silver	0.75	0.0020	1,000	0.7843	74.5	75	125				S

Sample ID: **0811096-001AMSD**	SampType: **MSD**	TestCode: **SW_6020A**	Units: **µg/L**	Prep Date: **11/6/2008**	RunNo: **24415**
Client ID: **ZZZZZZ**	Batch ID: **12928**	TestNo: **SW6020A**		Analysis Date: **11/6/2008**	SeqNo: **409662**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Silver	0.81	0.0020	1,000	0.7843	81.4	75	125	746.1	8.79	25	

Sample ID: **LCS-12928**	SampType: **LCS**	TestCode: **SW_6020A**	Units: **µg/L**	Prep Date: **11/6/2008**	RunNo: **24415**
Client ID: **LCSW**	Batch ID: **12928**	TestNo: **SW6020A**		Analysis Date: **11/6/2008**	SeqNo: **409671**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Silver	0.91	0.0020	1,000	0	91.1	80	120				

Sample ID: **MB-12928**	SampType: **MBLK**	TestCode: **SW_6020A**	Units: **µg/L**	Prep Date: **11/6/2008**	RunNo: **24415**
Client ID: **PBW**	Batch ID: **12928**	TestNo: **SW6020A**		Analysis Date: **11/6/2008**	SeqNo: **409673**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Silver	0.000062	0.00020									J

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	E	Value above quantitation range	H	Holding times for preparation or analys
J	Analyte detected below quantitation limits	M	Manual Integration used to determine area response	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit	S	Spike Recovery outside accepted recov

CLIENT: PSC Environmental Services
Work Order: 0811048
Project: Drum Composites

QC SUMMARY REPORT

BatchID: 12944

Sample ID: **MB-12944**	SampType: **MBLK**	TestCode: **SW_7470A**	Units: **µg/L**	Prep Date: **11/7/2008**	RunNo: **24461**
Client ID: **PBW**	Batch ID: **12944**	TestNo: **SW7470A**		Analysis Date: **11/8/2008**	SeqNo: **410449**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	ND	0.00020									

Sample ID: **LCS-12944**	SampType: **LCS**	TestCode: **SW_7470A**	Units: **µg/L**	Prep Date: **11/7/2008**	RunNo: **24461**
Client ID: **LCSW**	Batch ID: **12944**	TestNo: **SW7470A**		Analysis Date: **11/8/2008**	SeqNo: **410450**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.00088	0.00020	1.000	0	88.1	80	120				

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	E	Value above quantitation range	H	Holding times for preparation or analys
J	Analyte detected below quantitation limits	M	Manual Integration used to determine area response	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit	S	Spike Recovery outside accepted recov

RTI LABORATORIES, INC.

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December 09, 2009

Jeffrey Davis
PSC Environmental Services
515 Lycaste St
Detroit, MI 48214-3473
TEL: (313) 824-5303
FAX: (313) 824-5865

RE: Tank Samples Order No.: 0911247

Dear Jeffrey Davis:

RTI Laboratories received 3 sample(s) on 11/11/2009 for the analyses presented in the following report.

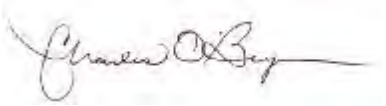
There were no problems with the analytical events associated with this report unless noted in the Case Narrative.

This report may only be reproduced in its entirety. Individual pages, reproduced without supporting documentation, do not contain related information and may be misinterpreted by other data reviewers.

Quality control data is within laboratory defined or method specified acceptance limits except if noted.

If you have any questions regarding these tests results, please feel free to call.

Sincerely,



Charles O`Bryan
Director, Quality Management
31628 Glendale St.
Livonia, Michigan 48150

RTI LABORATORIES, INC.

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Case Narrative

WO#: **0911247**
Date: **12/9/2009**

CLIENT: PSC Environmental Services
Project: Tank Samples

This report in its entirety consists of the documents listed below. All documents contain the RTI Work Order Number assigned to this report.

1. Paginated Report including: Case Narrative, Analytical Results and Applicable Quality Control Summary Reports.

2. A Cover Letter that immediately precedes the Paginated Report.

3. Paginated copies of the Chain of Custody Documents supplied with this sample set.

Concentrations reported with a J flag in the Qual field are values below the reporting limit (RL) but greater than the established method detection limit (MDL). There is greater uncertainty associated with these results and data should be considered as estimated. These analytes are not routinely reviewed nor narrated below as to their potential for being laboratory artifacts.

Concentrations reported with an E flag in the Qual field are values that exceed the upper quantification range. There is greater uncertainty associated with these results and data should be considered as estimated.

Any comments or problems with the analytical events associated with this report are noted below.

RTI LABORATORIES, INC.

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FAX: 734.422.5342
Website: www.rtilab.com

Analytical Report

(consolidated)

WO#: **0911247**

Date Reported: **12/9/2009**

CLIENT: PSC Environmental Services **Collection Date:** 11/11/2009

Project: Tank Samples

Lab ID: 0911247-001 **Matrix:** SOLVENT

Client Sample ID T-17

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
MERCURY				**SW7471A**		Analyst: **AB2**
Mercury	280	61		mg/Kg	2000	11/18/2009 4:17:26 PM

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	M	Manual Integration used to determine area response
ND	Not Detected at the Reporting Limit	PL	Permit Limit
RL	Reporting Detection Limit	S	Spike Recovery outside accepted recovery limits

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Analytical Report

(consolidated)

WO#: **0911247**

Date Reported: **12/9/2009**

CLIENT: PSC Environmental Services **Collection Date:** 11/11/2009

Project: Tank Samples

Lab ID: 0911247-002 **Matrix:** SOLVENT

Client Sample ID T-29

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
MERCURY				**SW7471A**		Analyst: **AB2**
Mercury	0.35	0.15		mg/Kg	5	11/18/2009 4:02:58 PM

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	M	Manual Integration used to determine area response
ND	Not Detected at the Reporting Limit	PL	Permit Limit
RL	Reporting Detection Limit	S	Spike Recovery outside accepted recovery limits

RTI LABORATORIES, INC.

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Analytical Report

(consolidated)

WO#: **0911247**

Date Reported: **12/9/2009**

CLIENT: PSC Environmental Services **Collection Date:** 11/11/2009

Project: Tank Samples

Lab ID: 0911247-003 **Matrix:** SOLVENT

Client Sample ID October Chem Fuel

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
NONHALOGENATED ORGANICS, GC/FID				**SW8015B**		Analyst: **MB**
1,2-propanediol	0.79	0.10	H	mg/Kg	100	12/9/2009 5:28:24 AM
Cyclohexanone	0.25	0.10	H	mg/Kg	100	12/9/2009 5:28:24 AM
Ethyl acetate	0.13	0.10	H	mg/Kg	100	12/9/2009 5:28:24 AM
Ethyl alcohol	9.2	0.10	H	mg/Kg	100	12/9/2009 5:28:24 AM
Ethylene glycol	2.5	0.10	H	mg/Kg	100	12/9/2009 5:28:24 AM
Ethylene Glycol Ethyl Ether	1.2	0.10	H	mg/Kg	100	12/9/2009 5:28:24 AM
Ethylene Glycol Methyl Ether	0.77	0.10	H	mg/Kg	100	12/9/2009 5:28:24 AM
Isobutyl alcohol	0.36	0.10	H	mg/Kg	100	12/9/2009 5:28:24 AM
Isopropyl alcohol	12	0.10	H	mg/Kg	100	12/9/2009 5:28:24 AM
Methanol	36	1.0	H	mg/Kg	1000	12/9/2009 11:14:25 AM
n-Butyl alcohol	2.8	0.10	H	mg/Kg	100	12/9/2009 5:28:24 AM
n-Propyl alcohol	0.59	0.10	H	mg/Kg	100	12/9/2009 5:28:24 AM
VOLATILE ORGANIC COMPOUNDS				**SW8260B**		Analyst: **RJ**
1,1,1,2-Tetrachloroethane	ND	1,000		mg/Kg	1000000	11/19/2009 10:04:00 PM
1,1,1-Trichloroethane	ND	1,000		mg/Kg	1000000	11/19/2009 10:04:00 PM
1,1,2,2-Tetrachloroethane	ND	1,000		mg/Kg	1000000	11/19/2009 10:04:00 PM
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	1,000		mg/Kg	1000000	11/19/2009 10:04:00 PM
1,1,2-Trichloroethane	ND	1,000		mg/Kg	1000000	11/19/2009 10:04:00 PM
1,1-Dichloroethane	ND	1,000		mg/Kg	1000000	11/19/2009 10:04:00 PM
1,1-Dichloroethene	ND	1,000		mg/Kg	1000000	11/19/2009 10:04:00 PM
1,1-Dichloropropene	ND	1,000		mg/Kg	1000000	11/19/2009 10:04:00 PM
1,2,3-Trichlorobenzene	ND	1,000		mg/Kg	1000000	11/19/2009 10:04:00 PM
1,2,3-Trichloropropane	ND	2,000		mg/Kg	1000000	11/19/2009 10:04:00 PM
1,2,3-Trimethylbenzene	840	1,000	J	mg/Kg	1000000	11/19/2009 10:04:00 PM
1,2,4-Trichlorobenzene	ND	5,000		mg/Kg	1000000	11/19/2009 10:04:00 PM
1,2,4-Trimethylbenzene	3,900	1,000		mg/Kg	1000000	11/19/2009 10:04:00 PM
1,2-Dibromo-3-chloropropane	ND	2,000		mg/Kg	1000000	11/19/2009 10:04:00 PM
1,2-Dichlorobenzene	ND	1,000		mg/Kg	1000000	11/19/2009 10:04:00 PM
1,2-Dichloroethane	ND	1,000		mg/Kg	1000000	11/19/2009 10:04:00 PM
1,2-Dichloropropane	ND	1,000		mg/Kg	1000000	11/19/2009 10:04:00 PM
1,3,5-Trimethylbenzene	1,400	1,000		mg/Kg	1000000	11/19/2009 10:04:00 PM
1,3-Dichlorobenzene	ND	1,000		mg/Kg	1000000	11/19/2009 10:04:00 PM

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
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ND	Not Detected at the Reporting Limit	PL	Permit Limit
RL	Reporting Detection Limit	S	Spike Recovery outside accepted recovery limits

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Analytical Report

(consolidated)

WO#: **0911247**

Date Reported: **12/9/2009**

CLIENT: PSC Environmental Services **Collection Date:** 11/11/2009

Project: Tank Samples

Lab ID: 0911247-003 **Matrix:** SOLVENT

Client Sample ID October Chem Fuel

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS				**SW8260B**		Analyst: **RJ**
1,3-Dichloropropane	ND	1,000		mg/Kg	1000000	11/19/2009 10:04:00 PM
1,4-Dichlorobenzene	ND	1,000		mg/Kg	1000000	11/19/2009 10:04:00 PM
2,2-Dichloropropane	ND	1,000		mg/Kg	1000000	11/19/2009 10:04:00 PM
2-Chloroethyl vinyl ether	ND	2,000		mg/Kg	1000000	11/19/2009 10:04:00 PM
2-Chlorotoluene	ND	1,000		mg/Kg	1000000	11/19/2009 10:04:00 PM
2-Hexanone	ND	5,000		mg/Kg	1000000	11/19/2009 10:04:00 PM
2-Methylnaphthalene	ND	5,000		mg/Kg	1000000	11/19/2009 10:04:00 PM
2-Nitropropane	ND	2,000		mg/Kg	1000000	11/19/2009 10:04:00 PM
4-Chlorotoluene	ND	2,000		mg/Kg	1000000	11/19/2009 10:04:00 PM
Acetone	7,900	10,000	J	mg/Kg	1000000	11/19/2009 10:04:00 PM
Acrylonitrile	ND	2,000		mg/Kg	1000000	11/19/2009 10:04:00 PM
Benzene	440	600	J	mg/Kg	1000000	11/19/2009 10:04:00 PM
Bromobenzene	ND	1,000		mg/Kg	1000000	11/19/2009 10:04:00 PM
Bromochloromethane	ND	1,000		mg/Kg	1000000	11/19/2009 10:04:00 PM
Bromodichloromethane	ND	1,000		mg/Kg	1000000	11/19/2009 10:04:00 PM
Bromoform	ND	1,000		mg/Kg	1000000	11/19/2009 10:04:00 PM
Bromomethane	ND	4,000		mg/Kg	1000000	11/19/2009 10:04:00 PM
Carbon disulfide	ND	5,000		mg/Kg	1000000	11/19/2009 10:04:00 PM
Carbon tetrachloride	ND	1,000		mg/Kg	1000000	11/19/2009 10:04:00 PM
Chlorobenzene	ND	1,000		mg/Kg	1000000	11/19/2009 10:04:00 PM
Chloroethane	ND	5,000		mg/Kg	1000000	11/19/2009 10:04:00 PM
Chloroform	ND	1,000		mg/Kg	1000000	11/19/2009 10:04:00 PM
Chloromethane	ND	2,000		mg/Kg	1000000	11/19/2009 10:04:00 PM
cis-1,2-Dichloroethene	ND	1,000		mg/Kg	1000000	11/19/2009 10:04:00 PM
cis-1,3-Dichloropropene	ND	1,000		mg/Kg	1000000	11/19/2009 10:04:00 PM
Dibromochloromethane	ND	1,000		mg/Kg	1000000	11/19/2009 10:04:00 PM
Dibromomethane	ND	2,000		mg/Kg	1000000	11/19/2009 10:04:00 PM
Dichlorodifluoromethane	ND	1,000		mg/Kg	1000000	11/19/2009 10:04:00 PM
Dichloromethane	1,500	2,000	J	mg/Kg	1000000	11/19/2009 10:04:00 PM
Diethyl ether	ND	1,000		mg/Kg	1000000	11/19/2009 10:04:00 PM
Ethyl methacrylate	ND	2,000		mg/Kg	1000000	11/19/2009 10:04:00 PM
Ethylbenzene	18,000	1,000		mg/Kg	1000000	11/19/2009 10:04:00 PM
Ethylene dibromide	ND	1,000		mg/Kg	1000000	11/19/2009 10:04:00 PM
Hexachlorobutadiene	ND	1,000		mg/Kg	1000000	11/19/2009 10:04:00 PM

Qualifiers:

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Analytical Report

(consolidated)

WO#: **0911247**

Date Reported: **12/9/2009**

CLIENT: PSC Environmental Services **Collection Date:** 11/11/2009

Project: Tank Samples

Lab ID: 0911247-003 **Matrix:** SOLVENT

Client Sample ID October Chem Fuel

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS				**SW8260B**		Analyst: **RJ**
Hexachloroethane	ND	1,000		mg/Kg	1000000	11/19/2009 10:04:00 PM
Isopropyl ether	ND	1,000		mg/Kg	1000000	11/19/2009 10:04:00 PM
Isopropylbenzene	ND	1,000		mg/Kg	1000000	11/19/2009 10:04:00 PM
m,p-Xylene	62,000	2,000		mg/Kg	1000000	11/19/2009 10:04:00 PM
Methyl ethyl ketone	2,300	5,000	J	mg/Kg	1000000	11/19/2009 10:04:00 PM
Methyl Iodide	ND	2,000		mg/Kg	1000000	11/19/2009 10:04:00 PM
Methyl isobutyl ketone	1,800	5,000	J	mg/Kg	1000000	11/19/2009 10:04:00 PM
Methyl tert-butyl ether	ND	2,000		mg/Kg	1000000	11/19/2009 10:04:00 PM
Naphthalene	ND	5,000		mg/Kg	1000000	11/19/2009 10:04:00 PM
n-Butylbenzene	ND	1,000		mg/Kg	1000000	11/19/2009 10:04:00 PM
n-Propylbenzene	660	1,000	J	mg/Kg	1000000	11/19/2009 10:04:00 PM
o-Xylene	11,000	1,000		mg/Kg	1000000	11/19/2009 10:04:00 PM
p-Isopropyltoluene	ND	1,000		mg/Kg	1000000	11/19/2009 10:04:00 PM
sec-Butylbenzene	ND	1,000		mg/Kg	1000000	11/19/2009 10:04:00 PM
Styrene	1,200	1,000	m	mg/Kg	1000000	11/19/2009 10:04:00 PM
t-Butyl alcohol	ND	50,000		mg/Kg	1000000	11/19/2009 10:04:00 PM
tert-Amyl Methyl Ether	ND	2,000		mg/Kg	1000000	11/19/2009 10:04:00 PM
tert-Butyl Ethyl Ether	ND	2,000		mg/Kg	1000000	11/19/2009 10:04:00 PM
tert-Butylbenzene	ND	1,000		mg/Kg	1000000	11/19/2009 10:04:00 PM
Tetrachloroethene	ND	1,000		mg/Kg	1000000	11/19/2009 10:04:00 PM
Toluene	35,000	1,000		mg/Kg	1000000	11/19/2009 10:04:00 PM
trans-1,2-Dichloroethene	ND	1,000		mg/Kg	1000000	11/19/2009 10:04:00 PM
trans-1,3-Dichloropropene	ND	1,000		mg/Kg	1000000	11/19/2009 10:04:00 PM
trans-1,4-Dichloro-2-butene	ND	2,000		mg/Kg	1000000	11/19/2009 10:04:00 PM
Trichloroethene	ND	1,000		mg/Kg	1000000	11/19/2009 10:04:00 PM
Trichlorofluoromethane	ND	1,000		mg/Kg	1000000	11/19/2009 10:04:00 PM
Vinyl chloride	ND	800		mg/Kg	1000000	11/19/2009 10:04:00 PM
Xylenes, Total	73,000	3,000		mg/Kg	1000000	11/19/2009 10:04:00 PM
Surr: 4-Bromofluorobenzene	91.5	90.5-116		%REC	1000000	11/19/2009 10:04:00 PM
Surr: Dibromofluoromethane	99.2	85-115		%REC	1000000	11/19/2009 10:04:00 PM
Surr: Toluene-d8	98.2	87.2-110		%REC	1000000	11/19/2009 10:04:00 PM

Qualifiers:

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J	Analyte detected below quantitation limits	M	Manual Integration used to determine area response
ND	Not Detected at the Reporting Limit	PL	Permit Limit
RL	Reporting Detection Limit	S	Spike Recovery outside accepted recovery limits

CLIENT: PSC Environmental Services
Work Order: 0911247
Project: Tank Samples

QC SUMMARY REPORT

TestCode: SW_7471S

Sample ID: **MB-16444**	SampType: **MBLK**	TestCode: **SW_7471S**	Units: **mg/Kg**	Prep Date: **11/18/2009**	RunNo: **30959**
Client ID: **PBS**	Batch ID: **16444**	TestNo: **SW7471A**		Analysis Date: **11/18/2009**	SeqNo: **550749**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	ND	0.037									

Sample ID: **LCS-16444**	SampType: **LCS**	TestCode: **SW_7471S**	Units: **mg/Kg**	Prep Date: **11/18/2009**	RunNo: **30959**
Client ID: **LCSS**	Batch ID: **16444**	TestNo: **SW7471A**		Analysis Date: **11/18/2009**	SeqNo: **550750**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.069	0.036	0.060	0	114	80	120				

Sample ID: **0911278-001BMS**	SampType: **MS**	TestCode: **SW_7471S**	Units: **mg/Kg-dry**	Prep Date: **11/18/2009**	RunNo: **30959**
Client ID: **ZZZZZZ**	Batch ID: **16444**	TestNo: **SW7471A**		Analysis Date: **11/18/2009**	SeqNo: **550752**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.33	0.041	0.069	399.5	-93.8	80	120				S

Sample ID: **0911278-001BMSD**	SampType: **MSD**	TestCode: **SW_7471S**	Units: **mg/Kg-dry**	Prep Date: **11/18/2009**	RunNo: **30959**
Client ID: **ZZZZZZ**	Batch ID: **16444**	TestNo: **SW7471A**		Analysis Date: **11/18/2009**	SeqNo: **550753**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.42	0.041	0.069	399.5	33.4	80	120	0.33	23.1	20	SR

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	E	Value above quantitation range	H	Holding times for preparation or analys
J	Analyte detected below quantitation limits	M	Manual Integration used to determine area response	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit	S	Spike Recovery outside accepted recov

CLIENT: PSC Environmental Services
Work Order: 0911247
Project: Tank Samples

QC SUMMARY REPORT

TestCode: SW_8015S

Sample ID: **lcs**	SampType: **lcs**	TestCode: **sw_8015s**	Units: **mg/Kg**	Prep Date:	RunNo: **31266**
Client ID: **LCSS**	Batch ID: **R31266**	TestNo: **SW8015B**		Analysis Date: **12/9/2009**	SeqNo: **556624**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2-propanediol	0.024	0.0010	0.025	0	96.5	70	130				
Cyclohexanone	0.029	0.0010	0.025	0	116	70	130				
Ethyl acetate	0.027	0.0010	0.025	0	107	70	130				
Ethyl alcohol	0.029	0.0010	0.025	0	115	70	130				
Ethylene glycol	0.022	0.0020	0.025	0	88.3	70	130				
Ethylene Glycol Ethyl Ether	0.028	0.0010	0.025	0	111	70	130				
Ethylene Glycol Methyl Ether	0.027	0.0010	0.025	0	108	70	130				
Isobutyl alcohol	0.028	0.0010	0.025	0	113	70	130				
Isopropyl alcohol	0.028	0.0010	0.025	0	111	70	130				
Methanol	0.028	0.0010	0.025	0	113	70	130				
n-Butyl alcohol	0.029	0.0010	0.025	0	114	70	130				
n-Propyl alcohol	0.028	0.0010	0.025	0	112	70	130				

Sample ID: **lcsd**	SampType: **lcsd**	TestCode: **sw_8015s**	Units: **mg/Kg**	Prep Date:	RunNo: **31266**
Client ID: **LCSS02**	Batch ID: **R31266**	TestNo: **SW8015B**		Analysis Date: **12/9/2009**	SeqNo: **556625**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2-propanediol	0.024	0.0010	0.025	0	96.2	70	130	0.024	0.309	25	
Cyclohexanone	0.028	0.0010	0.025	0	113	70	130	0.029	2.60	25	
Ethyl acetate	0.025	0.0010	0.025	0	101	70	130	0.027	5.96	25	
Ethyl alcohol	0.027	0.0010	0.025	0	109	70	130	0.029	4.68	25	
Ethylene glycol	0.022	0.0020	0.025	0	87.6	70	130	0.022	0.810	25	
Ethylene Glycol Ethyl Ether	0.027	0.0010	0.025	0	108	70	130	0.028	2.55	25	
Ethylene Glycol Methyl Ether	0.026	0.0010	0.025	0	105	70	130	0.027	2.39	25	
Isobutyl alcohol	0.027	0.0010	0.025	0	109	70	130	0.028	3.74	25	
Isopropyl alcohol	0.027	0.0010	0.025	0	106	70	130	0.028	4.04	25	
Methanol	0.028	0.0010	0.025	0	111	70	130	0.028	1.88	25	
n-Butyl alcohol	0.028	0.0010	0.025	0	110	70	130	0.029	3.90	25	
n-Propyl alcohol	0.027	0.0010	0.025	0	108	70	130	0.028	3.70	25	

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	E	Value above quantitation range	H	Holding times for preparation or analys
J	Analyte detected below quantitation limits	M	Manual Integration used to determine area response	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit	S	Spike Recovery outside accepted recov

CLIENT: PSC Environmental Services
Work Order: 0911247
Project: Tank Samples

QC SUMMARY REPORT

TestCode: SW_8015S

Sample ID: **mb** SampType: **mblk** TestCode: **sw_8015s** Units: **mg/Kg** Prep Date: RunNo: **31266**
Client ID: **PBS** Batch ID: **R31266** TestNo: **SW8015B** Analysis Date: **12/9/2009** SeqNo: **556626**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2-propanediol	ND	0.0010									
Cyclohexanone	ND	0.0010									
Ethyl acetate	ND	0.0010									
Ethyl alcohol	ND	0.0010									
Ethylene glycol	ND	0.0020									
Ethylene Glycol Ethyl Ether	ND	0.0010									
Ethylene Glycol Methyl Ether	ND	0.0010									
Isobutyl alcohol	ND	0.0010									
Isopropyl alcohol	ND	0.0010									
Methanol	ND	0.0010									
n-Butyl alcohol	ND	0.0010									
n-Propyl alcohol	ND	0.0010									

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	E	Value above quantitation range	H	Holding times for preparation or analys
J	Analyte detected below quantitation limits	M	Manual Integration used to determine area response	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit	S	Spike Recovery outside accepted recov

CLIENT: PSC Environmental Services
Work Order: 0911247
Project: Tank Samples

QC SUMMARY REPORT

TestCode: SW_8260S

Sample ID: **10ug/L LCS 10uLV** SampType: **LCS** TestCode: **SW_8260S** Units: **mg/Kg** Prep Date: RunNo: **31004**
Client ID: **LCSS** Batch ID: **R31004** TestNo: **SW8260B** Analysis Date: **11/19/2009** SeqNo: **551274**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	0.52	0.050	0.50	0	104	78	119				
1,1,1-Trichloroethane	0.49	0.050	0.50	0	97.1	70	132				
1,1,2,2-Tetrachloroethane	0.58	0.050	0.50	0	115	75.6	122				
1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	0.050	0.50	0	99.9	19.6	165				
1,1,2-Trichloroethane	0.52	0.050	0.50	0	104	72.6	123				
1,1-Dichloroethane	0.49	0.050	0.50	0	98.5	75	125				
1,1-Dichloroethene	0.52	0.050	0.50	0	104	65	134				
1,1-Dichloropropene	0.55	0.050	0.50	0	110	70	135				
1,2,3-Trichlorobenzene	0.46	0.050	0.50	0	91.7	77.8	135				
1,2,3-Trichloropropane	0.49	0.10	0.50	0	97.1	65	129				
1,2,3-Trimethylbenzene	0.52	0.050	0.50	0	104	74	126				
1,2,4-Trichlorobenzene	0.46	0.25	0.50	0	92.9	76.6	135				
1,2,4-Trimethylbenzene	0.50	0.050	0.50	0	99.9	79.2	125				
1,2-Dibromo-3-chloropropane	0.46	0.10	0.50	0	92.7	55.1	132				
1,2-Dichlorobenzene	0.52	0.050	0.50	0	103	77.9	120				
1,2-Dichloroethane	0.53	0.050	0.50	0	107	70.6	132				
1,2-Dichloropropane	0.55	0.050	0.50	0	110	71.5	120				
1,3,5-Trimethylbenzene	0.50	0.050	0.50	0	99.5	80.5	127				
1,3-Dichlorobenzene	0.48	0.050	0.50	0	95.4	80.4	121				
1,3-Dichloropropane	0.54	0.050	0.50	0	107	75	125				
1,4-Dichlorobenzene	0.50	0.050	0.50	0	101	79.5	122				
2,2-Dichloropropane	0.50	0.050	0.50	0	101	65	135				
2-Chloroethyl vinyl ether	0.56	0.10	0.50	0	112	62.1	125				
2-Chlorotoluene	0.51	0.050	0.50	0	102	78.7	125				
2-Hexanone	0.49	0.25	0.50	0	98.3	62	135				
2-Methylnaphthalene	0.49	0.25	0.50	0	98.9	57.2	165				
2-Nitropropane	0.38	0.10	0.50	0	76.5	70	130				
4-Chlorotoluene	0.48	0.10	0.50	0	96.5	78.8	125				
Acetone	0.58	0.50	0.50	0	116	51.6	160				
Acrylonitrile	0.49	0.10	0.50	0	97.9	63.3	132				

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	E	Value above quantitation range	H	Holding times for preparation or analys
J	Analyte detected below quantitation limits	M	Manual Integration used to determine area response	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit	S	Spike Recovery outside accepted recov

CLIENT: PSC Environmental Services
Work Order: 0911247
Project: Tank Samples

QC SUMMARY REPORT

TestCode: SW_8260S

Sample ID: **10ug/L LCS 10uLV** SampType: **LCS** TestCode: **SW_8260S** Units: **mg/Kg** Prep Date: RunNo: **31004**
Client ID: **LCSS** Batch ID: **R31004** TestNo: **SW8260B** Analysis Date: **11/19/2009** SeqNo: **551274**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	0.54	0.030	0.50	0	109	75	125				
Bromobenzene	0.52	0.050	0.50	0	104	79.9	120				
Bromochloromethane	0.52	0.050	0.50	0	105	70	125				
Bromodichloromethane	0.48	0.050	0.50	0	95.9	70	121				
Bromoform	0.47	0.050	0.50	0	93.7	62.8	115				
Bromomethane	0.56	0.20	0.50	0	111	44.3	160				
Carbon disulfide	0.47	0.25	0.50	0	93.3	68	152				
Carbon tetrachloride	0.49	0.050	0.50	0	98.3	65	135				
Chlorobenzene	0.52	0.050	0.50	0	105	81.6	117				
Chloroethane	0.53	0.25	0.50	0	107	65.1	155				
Chloroform	0.52	0.050	0.50	0	103	70	125				
Chloromethane	0.57	0.10	0.50	0	114	50	130				
cis-1,2-Dichloroethene	0.50	0.050	0.50	0	101	65	125				
cis-1,3-Dichloropropene	0.52	0.050	0.50	0	105	71	125				
Dibromochloromethane	0.49	0.050	0.50	0	98.8	68.4	119				
Dibromomethane	0.54	0.10	0.50	0	107	75	127				
Dichlorodifluoromethane	0.55	0.050	0.50	0	110	35	135				
Dichloromethane	0.53	0.10	0.50	0	105	62.4	140				
Diethyl ether	0.48	0.050	0.50	0	96.5	65.6	133				
Ethyl methacrylate	0.52	0.10	0.50	0	105	67.3	133				
Ethylbenzene	0.56	0.050	0.50	0	112	80.2	125				
Ethylene dibromide	0.52	0.050	0.50	0	104	71.8	125				
Hexachlorobutadiene	0.52	0.050	0.50	0	104	73.8	140				
Hexachloroethane	0.43	0.050	0.50	0	86.2	66.1	117				
Isopropyl ether	0.49	0.050	0.50	0	98.7	67.9	139				
Isopropylbenzene	0.59	0.050	0.50	0	118	89.8	130				
m,p-Xylene	1.0	0.10	1.0	0	103	80.6	125				
Methyl ethyl ketone	0.63	0.25	0.50	0	126	65.4	142				
Methyl Iodide	0.47	0.10	0.50	0	93.1	10	171				
Methyl isobutyl ketone	0.54	0.25	0.50	0	108	55.6	145				

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	E	Value above quantitation range	H	Holding times for preparation or analys
J	Analyte detected below quantitation limits	M	Manual Integration used to determine area response	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit	S	Spike Recovery outside accepted recov

CLIENT: PSC Environmental Services
Work Order: 0911247
Project: Tank Samples

QC SUMMARY REPORT

TestCode: SW_8260S

Sample ID: **10ug/L LCS 10uLV**	SampType: **LCS**	TestCode: **SW_8260S**	Units: **mg/Kg**	Prep Date:	RunNo: **31004**
Client ID: **LCSS**	Batch ID: **R31004**	TestNo: **SW8260B**		Analysis Date: **11/19/2009**	SeqNo: **551274**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Methyl tert-butyl ether	0.96	0.10	1.0	0	96.0	63.2	136				
Naphthalene	0.54	0.25	0.50	0	109	75.7	125				
n-Butylbenzene	0.47	0.050	0.50	0	94.6	73.1	139				
n-Propylbenzene	0.51	0.050	0.50	0	103	80.8	130				
o-Xylene	0.50	0.050	0.50	0	99.8	78	122				
p-Isopropyltoluene	0.47	0.050	0.50	0	93.4	81.1	126				
sec-Butylbenzene	0.47	0.050	0.50	0	94.4	77.9	130				
Styrene	0.53	0.050	0.50	0	107	81.5	125				
t-Butyl alcohol	3.0	2.5	2.5	0	121	70	130				
tert-Amyl Methyl Ether	0.50	0.10	0.50	0	100	70.3	130				
tert-Butyl Ethyl Ether	0.51	0.10	0.50	0	101	65.6	136				
tert-Butylbenzene	0.46	0.050	0.50	0	92.9	80.1	125				
Tetrachloroethene	0.53	0.050	0.50	0	106	65	140				
Toluene	0.56	0.050	0.50	0	112	76.3	125				
trans-1,2-Dichloroethene	0.53	0.050	0.50	0	106	65	135				
trans-1,3-Dichloropropene	0.48	0.050	0.50	0	96.9	67.1	125				
trans-1,4-Dichloro-2-butene	0.50	0.10	0.50	0	99.4	68.8	128				
Trichloroethene	0.54	0.050	0.50	0	107	75	125				
Trichlorofluoromethane	0.20	0.050	0.50	0	39.8	34.3	163				
Vinyl chloride	0.58	0.040	0.50	0	115	60	125				
Xylenes, Total	1.5	0.15	1.5	0	102	80	124				
Surr: 4-Bromofluorobenzene	2,400		2,500		95.1	90.5	116				
Surr: Dibromofluoromethane	2,400		2,500		95.1	85	115				
Surr: Toluene-d8	2,500		2,500		101	87.2	110				

Sample ID: **MBLK 5mL DIH2O**	SampType: **MBLK**	TestCode: **SW_8260S**	Units: **mg/Kg**	Prep Date:	RunNo: **31004**
Client ID: **PBS**	Batch ID: **R31004**	TestNo: **SW8260B**		Analysis Date: **11/19/2009**	SeqNo: **551275**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	ND	0.050									

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	E	Value above quantitation range	H	Holding times for preparation or analys
J	Analyte detected below quantitation limits	M	Manual Integration used to determine area response	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit	S	Spike Recovery outside accepted recov

CLIENT: PSC Environmental Services
Work Order: 0911247
Project: Tank Samples

QC SUMMARY REPORT

TestCode: SW_8260S

Sample ID: **MBLK 5mL DIH2O** SampType: **MBLK** TestCode: **SW_8260S** Units: **mg/Kg** Prep Date: RunNo: **31004**
Client ID: **PBS** Batch ID: **R31004** TestNo: **SW8260B** Analysis Date: **11/19/2009** SeqNo: **551275**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1-Trichloroethane	ND	0.050									
1,1,2,2-Tetrachloroethane	ND	0.050									
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	0.050									
1,1,2-Trichloroethane	ND	0.050									
1,1-Dichloroethane	ND	0.050									
1,1-Dichloroethene	ND	0.050									
1,1-Dichloropropene	ND	0.050									
1,2,3-Trichlorobenzene	ND	0.050									
1,2,3-Trichloropropane	ND	0.10									
1,2,3-Trimethylbenzene	ND	0.050									
1,2,4-Trichlorobenzene	ND	0.25									
1,2,4-Trimethylbenzene	ND	0.050									
1,2-Dibromo-3-chloropropane	ND	0.10									
1,2-Dichlorobenzene	ND	0.050									
1,2-Dichloroethane	ND	0.050									
1,2-Dichloropropane	ND	0.050									
1,3,5-Trimethylbenzene	ND	0.050									
1,3-Dichlorobenzene	ND	0.050									
1,3-Dichloropropane	ND	0.050									
1,4-Dichlorobenzene	ND	0.050									
2,2-Dichloropropane	ND	0.050									
2-Chloroethyl vinyl ether	ND	0.10									
2-Chlorotoluene	ND	0.050									
2-Hexanone	ND	0.25									
2-Methylnaphthalene	ND	0.25									
2-Nitropropane	ND	0.10									
4-Chlorotoluene	ND	0.10									
Acetone	ND	0.50									
Acrylonitrile	ND	0.10									
Benzene	ND	0.030									

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	E	Value above quantitation range	H	Holding times for preparation or analys
J	Analyte detected below quantitation limits	M	Manual Integration used to determine area response	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit	S	Spike Recovery outside accepted recov

CLIENT: PSC Environmental Services
Work Order: 0911247
Project: Tank Samples

QC SUMMARY REPORT

TestCode: SW_8260S

Sample ID: **MBLK 5mL DIH2O** SampType: **MBLK** TestCode: **SW_8260S** Units: **mg/Kg** Prep Date: RunNo: **31004**
Client ID: **PBS** Batch ID: **R31004** TestNo: **SW8260B** Analysis Date: **11/19/2009** SeqNo: **551275**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Bromobenzene	ND	0.050									
Bromochloromethane	ND	0.050									
Bromodichloromethane	ND	0.050									
Bromoform	ND	0.050									
Bromomethane	ND	0.20									
Carbon disulfide	ND	0.25									
Carbon tetrachloride	ND	0.050									
Chlorobenzene	ND	0.050									
Chloroethane	ND	0.25									
Chloroform	ND	0.050									
Chloromethane	ND	0.10									
cis-1,2-Dichloroethene	ND	0.050									
cis-1,3-Dichloropropene	ND	0.050									
Dibromochloromethane	ND	0.050									
Dibromomethane	ND	0.10									
Dichlorodifluoromethane	ND	0.050									
Dichloromethane	ND	0.10									
Diethyl ether	ND	0.050									
Ethyl methacrylate	ND	0.10									
Ethylbenzene	ND	0.050									
Ethylene dibromide	ND	0.050									
Hexachlorobutadiene	ND	0.050									
Hexachloroethane	ND	0.050									
Isopropyl ether	ND	0.050									
Isopropylbenzene	ND	0.050									
m,p-Xylene	ND	0.10									
Methyl ethyl ketone	0.13	0.25									J
Methyl Iodide	0.032	0.10									J
Methyl isobutyl ketone	ND	0.25									
Methyl tert-butyl ether	ND	0.10									

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	E	Value above quantitation range	H	Holding times for preparation or analys
J	Analyte detected below quantitation limits	M	Manual Integration used to determine area response	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit	S	Spike Recovery outside accepted recov

CLIENT: PSC Environmental Services
Work Order: 0911247
Project: Tank Samples

QC SUMMARY REPORT

TestCode: SW_8260S

Sample ID: **MBLK 5mL DIH2O** SampType: **MBLK** TestCode: **SW_8260S** Units: **mg/Kg** Prep Date: RunNo: **31004**
Client ID: **PBS** Batch ID: **R31004** TestNo: **SW8260B** Analysis Date: **11/19/2009** SeqNo: **551275**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Naphthalene	ND	0.25									
n-Butylbenzene	ND	0.050									
n-Propylbenzene	ND	0.050									
o-Xylene	ND	0.050									
p-Isopropyltoluene	ND	0.050									
sec-Butylbenzene	ND	0.050									
Styrene	ND	0.050									
t-Butyl alcohol	ND	2.5									
tert-Amyl Methyl Ether	ND	0.10									
tert-Butyl Ethyl Ether	ND	0.10									
tert-Butylbenzene	ND	0.050									
Tetrachloroethene	ND	0.050									
Toluene	ND	0.050									
trans-1,2-Dichloroethene	ND	0.050									
trans-1,3-Dichloropropene	ND	0.050									
trans-1,4-Dichloro-2-butene	ND	0.10									
Trichloroethene	0.028	0.050									J
Trichlorofluoromethane	ND	0.050									
Vinyl chloride	ND	0.040									
Xylenes, Total	ND	0.15									
Surr: 4-Bromofluorobenzene	2,300		2,500		93.1	90.5	116				
Surr: Dibromofluoromethane	2,400		2,500		97.7	85	115				
Surr: Toluene-d8	2,600		2,500		103	87.2	110				

Sample ID: **0911322-003AMS** SampType: **MS** TestCode: **SW_8260S** Units: **mg/Kg-dry** Prep Date: RunNo: **31004**
Client ID: **ZZZZZZ** Batch ID: **R31004** TestNo: **SW8260B** Analysis Date: **11/19/2009** SeqNo: **551278**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	0.61	0.060	0.60	0	101	78	119				
1,1,1-Trichloroethane	0.59	0.060	0.60	0	98.6	70	132				

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	E	Value above quantitation range	H	Holding times for preparation or analys
J	Analyte detected below quantitation limits	M	Manual Integration used to determine area response	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit	S	Spike Recovery outside accepted recov

CLIENT: PSC Environmental Services
Work Order: 0911247
Project: Tank Samples

QC SUMMARY REPORT

TestCode: SW_8260S

Sample ID: **0911322-003AMS** SampType: **MS** TestCode: **SW_8260S** Units: **mg/Kg-dry** Prep Date: RunNo: **31004**
Client ID: **ZZZZZZ** Batch ID: **R31004** TestNo: **SW8260B** Analysis Date: **11/19/2009** SeqNo: **551278**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,2,2-Tetrachloroethane	0.73	0.060	0.60	0	123	75.6	122				S
1,1,2-Trichloro-1,2,2-trifluoroethane	0.62	0.060	0.60	0	104	19.6	165				
1,1,2-Trichloroethane	0.64	0.060	0.60	0	107	72.6	123				
1,1-Dichloroethane	0.60	0.060	0.60	0	99.7	75	125				
1,1-Dichloroethene	0.63	0.060	0.60	0	105	65	134				
1,1-Dichloropropene	0.63	0.060	0.60	0	106	70	135				
1,2,3-Trichlorobenzene	0.60	0.060	0.60	0	99.9	77.8	135				
1,2,3-Trichloropropane	0.61	0.12	0.60	0	101	65	129				
1,2,3-Trimethylbenzene	0.64	0.060	0.60	0	107	74	126				
1,2,4-Trichlorobenzene	0.61	0.30	0.60	0	101	76.6	135				
1,2,4-Trimethylbenzene	0.63	0.060	0.60	0	106	79.2	125				
1,2-Dibromo-3-chloropropane	0.60	0.12	0.60	0	100	55.1	132				
1,2-Dichlorobenzene	0.66	0.060	0.60	0	110	77.9	120				
1,2-Dichloroethane	0.64	0.060	0.60	0	106	70.6	132				
1,2-Dichloropropane	0.67	0.060	0.60	0	112	71.5	120				
1,3,5-Trimethylbenzene	0.64	0.060	0.60	0	106	80.5	127				
1,3-Dichlorobenzene	0.59	0.060	0.60	0	99.1	80.4	121				
1,3-Dichloropropane	0.67	0.060	0.60	0	112	75	125				
1,4-Dichlorobenzene	0.65	0.060	0.60	0	109	79.5	122				
2,2-Dichloropropane	0.59	0.060	0.60	0	99.2	65	135				
2-Chloroethyl vinyl ether	0.70	0.12	0.60	0	117	62.1	125				
2-Chlorotoluene	0.62	0.060	0.60	0	103	78.7	125				
2-Hexanone	0.62	0.30	0.60	0	104	62	135				
2-Methylnaphthalene	0.59	0.30	0.60	0	98.1	57.2	165				
2-Nitropropane	0.44	0.12	0.60	0	73.3	70	130				
4-Chlorotoluene	0.62	0.12	0.60	0	104	78.8	125				
Acetone	0.68	0.60	0.60	0	113	51.6	160				
Acrylonitrile	0.63	0.12	0.60	0	105	63.3	132				
Benzene	0.67	0.036	0.60	0	112	75	125				
Bromobenzene	0.63	0.060	0.60	0	105	79.9	120				

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	E	Value above quantitation range	H	Holding times for preparation or analys
J	Analyte detected below quantitation limits	M	Manual Integration used to determine area response	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit	S	Spike Recovery outside accepted recov

CLIENT: PSC Environmental Services
Work Order: 0911247
Project: Tank Samples

QC SUMMARY REPORT

TestCode: SW_8260S

Sample ID: **0911322-003AMS** SampType: **MS** TestCode: **SW_8260S** Units: **mg/Kg-dry** Prep Date: RunNo: **31004**
Client ID: **ZZZZZZ** Batch ID: **R31004** TestNo: **SW8260B** Analysis Date: **11/19/2009** SeqNo: **551278**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Bromochloromethane	0.65	0.060	0.60	0	109	70	125				
Bromodichloromethane	0.58	0.060	0.60	0	97.1	70	121				
Bromoform	0.51	0.060	0.60	0	85.5	62.8	115				
Bromomethane	0.68	0.24	0.60	0	114	44.3	160				
Carbon disulfide	0.53	0.30	0.60	0	88.8	68	152				
Carbon tetrachloride	0.56	0.060	0.60	0	93.3	65	135				
Chlorobenzene	0.64	0.060	0.60	0	106	81.6	117				
Chloroethane	0.65	0.30	0.60	0	108	65.1	155				
Chloroform	0.64	0.060	0.60	0	108	70	125				
Chloromethane	0.61	0.12	0.60	0	103	50	130				
cis-1,2-Dichloroethene	0.60	0.060	0.60	0	99.9	65	125				
cis-1,3-Dichloropropene	0.62	0.060	0.60	0	103	71	125				
Dibromochloromethane	0.58	0.060	0.60	0	97.7	68.4	119				
Dibromomethane	0.64	0.12	0.60	0	107	75	127				
Dichlorodifluoromethane	0.60	0.060	0.60	0	101	35	135				
Dichloromethane	0.63	0.12	0.60	0	105	62.4	140				
Diethyl ether	0.59	0.060	0.60	0	99.1	65.6	133				
Ethyl methacrylate	0.63	0.12	0.60	0	105	67.3	133				
Ethylbenzene	0.67	0.060	0.60	0	112	80.2	125				
Ethylene dibromide	0.63	0.060	0.60	0	105	71.8	125				
Hexachlorobutadiene	0.63	0.060	0.60	0	106	73.8	140				
Hexachloroethane	0.53	0.060	0.60	0	88.3	66.1	117				
Isopropyl ether	0.63	0.060	0.60	0	105	67.9	139				
Isopropylbenzene	0.72	0.060	0.60	0	120	89.8	130				
m,p-Xylene	1.3	0.12	1.2	0	106	80.6	125				
Methyl ethyl ketone	0.84	0.30	0.60	201.1	107	65.4	142				
Methyl Iodide	0.53	0.12	0.60	0	87.9	10	171				
Methyl isobutyl ketone	0.64	0.30	0.60	0	106	55.6	145				
Methyl tert-butyl ether	1.2	0.12	1.2	0	102	63.2	136				
Naphthalene	0.66	0.30	0.60	0	111	75.7	125				

Qualifiers:

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J	Analyte detected below quantitation limits	M	Manual Integration used to determine area response	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit	S	Spike Recovery outside accepted recov

CLIENT: PSC Environmental Services
Work Order: 0911247
Project: Tank Samples

QC SUMMARY REPORT

TestCode: SW_8260S

Sample ID: **0911322-003AMS** SampType: **MS** TestCode: **SW_8260S** Units: **mg/Kg-dry** Prep Date: RunNo: **31004**
Client ID: **ZZZZZZ** Batch ID: **R31004** TestNo: **SW8260B** Analysis Date: **11/19/2009** SeqNo: **551278**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
n-Butylbenzene	0.62	0.060	0.60	0	104	73.1	139				
n-Propylbenzene	0.65	0.060	0.60	0	109	80.8	130				
o-Xylene	0.63	0.060	0.60	0	105	78	122				
p-Isopropyltoluene	0.60	0.060	0.60	0	99.8	81.1	126				
sec-Butylbenzene	0.61	0.060	0.60	0	103	77.9	130				
Styrene	0.65	0.060	0.60	0	108	81.5	125				
t-Butyl alcohol	3.4	3.0	3.0	0	113	70	130				
tert-Amyl Methyl Ether	0.61	0.12	0.60	0	102	70.3	130				
tert-Butyl Ethyl Ether	0.63	0.12	0.60	0	105	65.6	136				
tert-Butylbenzene	0.61	0.060	0.60	0	102	80.1	125				
Tetrachloroethene	0.63	0.060	0.60	0	105	65	140				
Toluene	0.68	0.060	0.60	0	114	76.3	125				
trans-1,2-Dichloroethene	0.61	0.060	0.60	0	101	65	135				
trans-1,3-Dichloropropene	0.61	0.060	0.60	0	101	67.1	125				
trans-1,4-Dichloro-2-butene	0.62	0.12	0.60	0	103	68.8	128				
Trichloroethene	0.62	0.060	0.60	0	104	75	125				
Trichlorofluoromethane	0.43	0.060	0.60	0	71.2	34.3	163				
Vinyl chloride	0.65	0.048	0.60	0	109	60	125				
Xylenes, Total	1.9	0.18	1.8	0	105	80	124				
Surr: 4-Bromofluorobenzene	3,000		2,992		99.0	90.5	116				
Surr: Dibromofluoromethane	2,900		2,992		96.3	85	115				
Surr: Toluene-d8	3,100		2,992		102	87.2	110				

Sample ID: **0911322-003AMSD** SampType: **MSD** TestCode: **SW_8260S** Units: **mg/Kg-dry** Prep Date: RunNo: **31004**
Client ID: **ZZZZZZ** Batch ID: **R31004** TestNo: **SW8260B** Analysis Date: **11/19/2009** SeqNo: **551298**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	0.59	0.060	0.60	0	98.2	78	119	0.61	3.21	25	
1,1,1-Trichloroethane	0.57	0.060	0.60	0	94.6	70	132	0.59	4.14	25	
1,1,2,2-Tetrachloroethane	0.68	0.060	0.60	0	114	75.6	122	0.73	7.52	25	

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	E	Value above quantitation range	H	Holding times for preparation or analys
J	Analyte detected below quantitation limits	M	Manual Integration used to determine area response	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit	S	Spike Recovery outside accepted recov

CLIENT: PSC Environmental Services
Work Order: 0911247
Project: Tank Samples

QC SUMMARY REPORT

TestCode: SW_8260S

Sample ID: **0911322-003AMSD** SampType: **MSD** TestCode: **SW_8260S** Units: **mg/Kg-dry** Prep Date: RunNo: **31004**
Client ID: **ZZZZZZ** Batch ID: **R31004** TestNo: **SW8260B** Analysis Date: **11/19/2009** SeqNo: **551298**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,2-Trichloro-1,2,2-trifluoroethane	0.60	0.060	0.60	0	101	19.6	165	0.62	3.31	25	
1,1,2-Trichloroethane	0.61	0.060	0.60	0	101	72.6	123	0.64	5.47	25	
1,1-Dichloroethane	0.57	0.060	0.60	0	95.9	75	125	0.60	3.89	25	
1,1-Dichloroethene	0.61	0.060	0.60	0	102	65	134	0.63	2.42	25	
1,1-Dichloropropene	0.61	0.060	0.60	0	103	70	135	0.63	3.07	25	
1,2,3-Trichlorobenzene	0.54	0.060	0.60	0	90.7	77.8	135	0.60	9.65	25	
1,2,3-Trichloropropane	0.59	0.12	0.60	0	99.0	65	129	0.61	2.49	25	
1,2,3-Trimethylbenzene	0.61	0.060	0.60	0	102	74	126	0.64	4.41	25	
1,2,4-Trichlorobenzene	0.52	0.30	0.60	0	86.4	76.6	135	0.61	15.7	25	
1,2,4-Trimethylbenzene	0.60	0.060	0.60	0	100	79.2	125	0.63	5.05	25	
1,2-Dibromo-3-chloropropane	0.56	0.12	0.60	0	94.0	55.1	132	0.60	6.39	25	
1,2-Dichlorobenzene	0.61	0.060	0.60	0	102	77.9	120	0.66	7.94	25	
1,2-Dichloroethane	0.62	0.060	0.60	0	103	70.6	132	0.64	2.67	25	
1,2-Dichloropropane	0.64	0.060	0.60	0	106	71.5	120	0.67	5.05	25	
1,3,5-Trimethylbenzene	0.59	0.060	0.60	0	99.3	80.5	127	0.64	6.90	25	
1,3-Dichlorobenzene	0.56	0.060	0.60	0	93.8	80.4	121	0.59	5.50	25	
1,3-Dichloropropane	0.63	0.060	0.60	0	105	75	125	0.67	5.98	25	
1,4-Dichlorobenzene	0.59	0.060	0.60	0	98.8	79.5	122	0.65	10.0	25	
2,2-Dichloropropane	0.55	0.060	0.60	0	92.2	65	135	0.59	7.31	25	
2-Chloroethyl vinyl ether	0.65	0.12	0.60	0	109	62.1	125	0.70	7.19	25	
2-Chlorotoluene	0.58	0.060	0.60	0	96.3	78.7	125	0.62	7.01	25	
2-Hexanone	0.57	0.30	0.60	0	96.0	62	135	0.62	7.71	25	
2-Methylnaphthalene	0.57	0.30	0.60	0	94.8	57.2	165	0.59	3.42	25	
2-Nitropropane	0.42	0.12	0.60	0	70.6	70	130	0.44	3.75	25	
4-Chlorotoluene	0.57	0.12	0.60	0	95.8	78.8	125	0.62	7.92	25	
Acetone	0.68	0.60	0.60	0	113	51.6	160	0.68	0.265	25	
Acrylonitrile	0.60	0.12	0.60	0	101	63.3	132	0.63	3.60	25	
Benzene	0.64	0.036	0.60	0	107	75	125	0.67	4.11	25	
Bromobenzene	0.59	0.060	0.60	0	98.8	79.9	120	0.63	5.89	25	
Bromochloromethane	0.62	0.060	0.60	0	104	70	125	0.65	4.22	25	

Qualifiers:

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J	Analyte detected below quantitation limits	M	Manual Integration used to determine area response	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit	S	Spike Recovery outside accepted recov

CLIENT: PSC Environmental Services
Work Order: 0911247
Project: Tank Samples

QC SUMMARY REPORT

TestCode: SW_8260S

Sample ID: **0911322-003AMSD** SampType: **MSD** TestCode: **SW_8260S** Units: **mg/Kg-dry** Prep Date: RunNo: **31004**
Client ID: **ZZZZZZ** Batch ID: **R31004** TestNo: **SW8260B** Analysis Date: **11/19/2009** SeqNo: **551298**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Bromodichloromethane	0.55	0.060	0.60	0	91.2	70	121	0.58	6.27	25	
Bromoform	0.52	0.060	0.60	0	87.6	62.8	115	0.51	2.43	25	
Bromomethane	0.64	0.24	0.60	0	108	44.3	160	0.68	5.42	25	
Carbon disulfide	0.52	0.30	0.60	0	86.6	68	152	0.53	2.51	25	
Carbon tetrachloride	0.54	0.060	0.60	0	90.4	65	135	0.56	3.16	25	
Chlorobenzene	0.60	0.060	0.60	0	99.6	81.6	117	0.64	6.70	25	
Chloroethane	0.64	0.30	0.60	0	108	65.1	155	0.65	0.463	25	
Chloroform	0.59	0.060	0.60	0	99.3	70	125	0.64	8.12	25	
Chloromethane	0.59	0.12	0.60	0	99.0	50	130	0.61	3.67	25	
cis-1,2-Dichloroethene	0.56	0.060	0.60	0	94.1	65	125	0.60	5.98	25	
cis-1,3-Dichloropropene	0.59	0.060	0.60	0	99.0	71	125	0.62	4.25	25	
Dibromochloromethane	0.53	0.060	0.60	0	89.2	68.4	119	0.58	9.10	25	
Dibromomethane	0.62	0.12	0.60	0	104	75	127	0.64	3.12	25	
Dichlorodifluoromethane	0.60	0.060	0.60	0	100	35	135	0.60	0.298	25	
Dichloromethane	0.61	0.12	0.60	0	102	62.4	140	0.63	2.91	25	
Diethyl ether	0.57	0.060	0.60	0	95.5	65.6	133	0.59	3.70	25	
Ethyl methacrylate	0.63	0.12	0.60	0	105	67.3	133	0.63	0.0949	25	
Ethylbenzene	0.64	0.060	0.60	0	106	80.2	125	0.67	5.30	25	
Ethylene dibromide	0.60	0.060	0.60	0	101	71.8	125	0.63	3.70	25	
Hexachlorobutadiene	0.55	0.060	0.60	0	91.1	73.8	140	0.63	15.2	25	
Hexachloroethane	0.51	0.060	0.60	0	84.7	66.1	117	0.53	4.16	25	
Isopropyl ether	0.58	0.060	0.60	0	96.4	67.9	139	0.63	8.45	25	
Isopropylbenzene	0.69	0.060	0.60	0	115	89.8	130	0.72	4.33	25	
m,p-Xylene	1.2	0.12	1.2	0	102	80.6	125	1.3	3.72	25	
Methyl ethyl ketone	0.79	0.30	0.60	201.1	97.9	65.4	142	0.84	6.40	25	
Methyl Iodide	0.56	0.12	0.60	0	93.6	10	171	0.53	6.28	25	
Methyl isobutyl ketone	0.64	0.30	0.60	0	107	55.6	145	0.64	0.655	25	
Methyl tert-butyl ether	1.1	0.12	1.2	0	95.1	63.2	136	1.2	6.56	25	
Naphthalene	0.64	0.30	0.60	0	108	75.7	125	0.66	2.66	25	
n-Butylbenzene	0.57	0.060	0.60	0	95.5	73.1	139	0.62	8.43	25	

Qualifiers:

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J	Analyte detected below quantitation limits	M	Manual Integration used to determine area response	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit	S	Spike Recovery outside accepted recov

CLIENT: PSC Environmental Services
Work Order: 0911247
Project: Tank Samples

QC SUMMARY REPORT

TestCode: SW_8260S

Sample ID: **0911322-003AMSD** SampType: **MSD** TestCode: **SW_8260S** Units: **mg/Kg-dry** Prep Date: RunNo: **31004**
Client ID: **ZZZZZZ** Batch ID: **R31004** TestNo: **SW8260B** Analysis Date: **11/19/2009** SeqNo: **551298**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
n-Propylbenzene	0.61	0.060	0.60	0	101	80.8	130	0.65	7.70	25	
o-Xylene	0.59	0.060	0.60	0	98.6	78	122	0.63	6.29	25	
p-Isopropyltoluene	0.56	0.060	0.60	0	93.7	81.1	126	0.60	6.30	25	
sec-Butylbenzene	0.57	0.060	0.60	0	96.0	77.9	130	0.61	6.74	25	
Styrene	0.60	0.060	0.60	0	101	81.5	125	0.65	6.51	25	
t-Butyl alcohol	3.5	3.0	3.0	0	116	70	130	3.4	2.75	25	
tert-Amyl Methyl Ether	0.59	0.12	0.60	0	98.2	70.3	130	0.61	3.40	25	
tert-Butyl Ethyl Ether	0.60	0.12	0.60	0	101	65.6	136	0.63	3.60	25	
tert-Butylbenzene	0.57	0.060	0.60	0	94.5	80.1	125	0.61	7.34	25	
Tetrachloroethene	0.62	0.060	0.60	0	104	65	140	0.63	0.670	25	
Toluene	0.65	0.060	0.60	0	108	76.3	125	0.68	5.49	25	
trans-1,2-Dichloroethene	0.58	0.060	0.60	0	96.4	65	135	0.61	4.76	25	
trans-1,3-Dichloropropene	0.56	0.060	0.60	0	93.6	67.1	125	0.61	7.90	25	
trans-1,4-Dichloro-2-butene	0.59	0.12	0.60	0	98.1	68.8	128	0.62	5.07	25	
Trichloroethene	0.60	0.060	0.60	0	101	75	125	0.62	2.83	25	
Trichlorofluoromethane	0.45	0.060	0.60	0	74.5	34.3	163	0.43	4.53	25	
Vinyl chloride	0.63	0.048	0.60	0	105	60	125	0.65	3.82	25	
Xylenes, Total	1.8	0.18	1.8	0	101	80	124	1.9	4.56	25	
Surr: 4-Bromofluorobenzene	2,900		2,992		96.0	90.5	116		0	25	
Surr: Dibromofluoromethane	2,900		2,992		98.1	85	115		0	25	
Surr: Toluene-d8	3,100		2,992		102	87.2	110		0	25	

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	E	Value above quantitation range	H	Holding times for preparation or analys
J	Analyte detected below quantitation limits	M	Manual Integration used to determine area response	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit	S	Spike Recovery outside accepted recov

RTI LABORATORIES, INC.

31628 Glendale St.
Livonia, Michigan 48150
TEL: 734.422.8000
FAX: 734.422.5342
Website: www.rtilab.com

December 14, 2009

Shamar Sanders
PSC Environmental Services
515 Lycaste St
Detroit, MI 48214-3473
TEL: (313) 824-5837
FAX: (313) 824-5533

RE: Chemfuel Order No.: 0912101

Dear Shamar Sanders:

RTI Laboratories received 1 sample(s) on 12/3/2009 for the analyses presented in the following report.

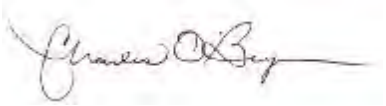
There were no problems with the analytical events associated with this report unless noted in the Case Narrative.

This report may only be reproduced in its entirety. Individual pages, reproduced without supporting documentation, do not contain related information and may be misinterpreted by other data reviewers.

Quality control data is within laboratory defined or method specified acceptance limits except if noted.

If you have any questions regarding these tests results, please feel free to call.

Sincerely,



Charles O`Bryan
Director, Quality Management
31628 Glendale St.
Livonia, Michigan 48150

RTI LABORATORIES, INC.

31628 Glendale St.
Livonia, Michigan 48150
TEL: 734.422.8000
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Website: www.rtilab.com

Case Narrative

WO#: **0912101**
Date: **12/14/2009**

CLIENT: PSC Environmental Services
Project: Chemfuel

This report in its entirety consists of the documents listed below. All documents contain the RTI Work Order Number assigned to this report.

1. Paginated Report including: Case Narrative, Analytical Results and Applicable Quality Control Summary Reports.

2. A Cover Letter that immediately precedes the Paginated Report.

3. Paginated copies of the Chain of Custody Documents supplied with this sample set.

Concentrations reported with a J flag in the Qual field are values below the reporting limit (RL) but greater than the established method detection limit (MDL). There is greater uncertainty associated with these results and data should be considered as estimated. These analytes are not routinely reviewed nor narrated below as to their potential for being laboratory artifacts.

Concentrations reported with an E flag in the Qual field are values that exceed the upper quantification range. There is greater uncertainty associated with these results and data should be considered as estimated.

Any comments or problems with the analytical events associated with this report are noted below.

RTI LABORATORIES, INC.

31628 Glendale St.
Livonia, Michigan 48150
TEL: 734.422.8000
FAX: 734.422.5342
Website: www.rtilab.com

Analytical Report

(consolidated)

WO#: **0912101**

Date Reported: **12/14/2009**

CLIENT: PSC Environmental Services **Collection Date:** 12/3/2009

Project: Chemfuel

Lab ID: 0912101-001 **Matrix:** SOLVENT

Client Sample ID Nov. Chemfuel 2009

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
NONHALOGENATED ORGANICS, GC/FID				**SW8015B**		Analyst: **MB**
1,2-propanediol	0.21	0.10		mg/Kg	100	12/9/2009 6:02:51 AM
Cyclohexanone	ND	0.10		mg/Kg	100	12/9/2009 6:02:51 AM
Ethyl acetate	0.37	0.10		mg/Kg	100	12/9/2009 6:02:51 AM
Ethyl alcohol	10	0.10		mg/Kg	100	12/9/2009 6:02:51 AM
Ethylene glycol	43	1.0		mg/Kg	1000	12/9/2009 11:49:00 AM
Ethylene Glycol Ethyl Ether	1.0	0.10		mg/Kg	100	12/9/2009 6:02:51 AM
Ethylene Glycol Methyl Ether	1.3	0.10		mg/Kg	100	12/9/2009 6:02:51 AM
Isobutyl alcohol	0.52	0.10		mg/Kg	100	12/9/2009 6:02:51 AM
Isopropyl alcohol	33	1.0		mg/Kg	1000	12/9/2009 11:49:00 AM
Methanol	61	1.0		mg/Kg	1000	12/9/2009 11:49:00 AM
n-Butyl alcohol	4.0	0.10		mg/Kg	100	12/9/2009 6:02:51 AM
n-Propyl alcohol	0.37	0.10		mg/Kg	100	12/9/2009 6:02:51 AM
ALDEHYDES AND KETONES				**SW8315A**		Analyst: **MB**
Formaldehyde	310	10		mg/Kg	1	12/11/2009 3:23:11 PM
RCRA METALS METALS, ICP/MS				**SW6020A**	**SW3050B**	Analyst: **AB2**
Arsenic	2.4	0.094		mg/Kg	10	12/13/2009 2:34:22 PM
Barium	450	9.4		mg/Kg	100	12/13/2009 3:09:55 PM
Cadmium	1.3	0.19		mg/Kg	10	12/13/2009 2:34:22 PM
Chromium	4.5	1.9		mg/Kg	10	12/13/2009 2:34:22 PM
Lead	4.1	0.94		mg/Kg	10	12/13/2009 2:34:22 PM
Selenium	0.22	0.19		mg/Kg	10	12/13/2009 2:34:22 PM
Silver	0.20	0.095		mg/Kg	10	12/10/2009 5:57:50 PM
RCRA METALS MERCURY				**SW7471A**		Analyst: **AB2**
Mercury	0.47	0.26		mg/Kg	10	12/10/2009 6:00:19 PM
VOLATILE ORGANIC COMPOUNDS				**SW8260B**		Analyst: **RJ**
1,1,1,2-Tetrachloroethane	ND	500		mg/Kg	500000	12/8/2009 7:34:00 PM

Qualifiers:

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E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	M	Manual Integration used to determine area response
ND	Not Detected at the Reporting Limit	PL	Permit Limit
RL	Reporting Detection Limit	S	Spike Recovery outside accepted recovery limits

RTI LABORATORIES, INC.

31628 Glendale St.
Livonia, Michigan 48150
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Analytical Report

(consolidated)

WO#: **0912101**

Date Reported: **12/14/2009**

CLIENT: PSC Environmental Services **Collection Date:** 12/3/2009

Project: Chemfuel

Lab ID: 0912101-001 **Matrix:** SOLVENT

Client Sample ID Nov. Chemfuel 2009

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS				**SW8260B**		Analyst: **RJ**
1,1,1-Trichloroethane	ND	500		mg/Kg	500000	12/8/2009 7:34:00 PM
1,1,2,2-Tetrachloroethane	ND	500		mg/Kg	500000	12/8/2009 7:34:00 PM
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	500		mg/Kg	500000	12/8/2009 7:34:00 PM
1,1,2-Trichloroethane	ND	500		mg/Kg	500000	12/8/2009 7:34:00 PM
1,1-Dichloroethane	ND	500		mg/Kg	500000	12/8/2009 7:34:00 PM
1,1-Dichloroethene	ND	500		mg/Kg	500000	12/8/2009 7:34:00 PM
1,1-Dichloropropene	ND	500		mg/Kg	500000	12/8/2009 7:34:00 PM
1,2,3-Trichlorobenzene	ND	500		mg/Kg	500000	12/8/2009 7:34:00 PM
1,2,3-Trichloropropane	ND	1,000		mg/Kg	500000	12/8/2009 7:34:00 PM
1,2,3-Trimethylbenzene	650	500		mg/Kg	500000	12/8/2009 7:34:00 PM
1,2,4-Trichlorobenzene	ND	2,500		mg/Kg	500000	12/8/2009 7:34:00 PM
1,2,4-Trimethylbenzene	3,700	500		mg/Kg	500000	12/8/2009 7:34:00 PM
1,2-Dibromo-3-chloropropane	ND	1,000		mg/Kg	500000	12/8/2009 7:34:00 PM
1,2-Dichlorobenzene	ND	500		mg/Kg	500000	12/8/2009 7:34:00 PM
1,2-Dichloroethane	ND	500		mg/Kg	500000	12/8/2009 7:34:00 PM
1,2-Dichloropropane	ND	500		mg/Kg	500000	12/8/2009 7:34:00 PM
1,3,5-Trimethylbenzene	1,300	500		mg/Kg	500000	12/8/2009 7:34:00 PM
1,3-Dichlorobenzene	ND	500		mg/Kg	500000	12/8/2009 7:34:00 PM
1,3-Dichloropropane	ND	500		mg/Kg	500000	12/8/2009 7:34:00 PM
1,4-Dichlorobenzene	ND	500		mg/Kg	500000	12/8/2009 7:34:00 PM
2,2-Dichloropropane	ND	500		mg/Kg	500000	12/8/2009 7:34:00 PM
2-Chloroethyl vinyl ether	ND	1,000		mg/Kg	500000	12/8/2009 7:34:00 PM
2-Chlorotoluene	ND	500		mg/Kg	500000	12/8/2009 7:34:00 PM
2-Hexanone	ND	2,500		mg/Kg	500000	12/8/2009 7:34:00 PM
2-Methylnaphthalene	ND	2,500		mg/Kg	500000	12/8/2009 7:34:00 PM
2-Nitropropane	ND	1,000		mg/Kg	500000	12/8/2009 7:34:00 PM
4-Chlorotoluene	ND	1,000		mg/Kg	500000	12/8/2009 7:34:00 PM
Acetone	7,600	5,000		mg/Kg	500000	12/8/2009 7:34:00 PM
Acrylonitrile	ND	1,000		mg/Kg	500000	12/8/2009 7:34:00 PM
Benzene	390	300		mg/Kg	500000	12/8/2009 7:34:00 PM
Bromobenzene	ND	500		mg/Kg	500000	12/8/2009 7:34:00 PM
Bromochloromethane	ND	500		mg/Kg	500000	12/8/2009 7:34:00 PM
Bromodichloromethane	ND	500		mg/Kg	500000	12/8/2009 7:34:00 PM
Bromoform	ND	500		mg/Kg	500000	12/8/2009 7:34:00 PM

Qualifiers:

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RL	Reporting Detection Limit	S	Spike Recovery outside accepted recovery limits

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Analytical Report

(consolidated)

WO#: **0912101**

Date Reported: **12/14/2009**

CLIENT: PSC Environmental Services **Collection Date:** 12/3/2009

Project: Chemfuel

Lab ID: 0912101-001 **Matrix:** SOLVENT

Client Sample ID Nov. Chemfuel 2009

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS				**SW8260B**		Analyst: **RJ**
Bromomethane	ND	2,000		mg/Kg	500000	12/8/2009 7:34:00 PM
Carbon disulfide	ND	2,500		mg/Kg	500000	12/8/2009 7:34:00 PM
Carbon tetrachloride	ND	500		mg/Kg	500000	12/8/2009 7:34:00 PM
Chlorobenzene	ND	500		mg/Kg	500000	12/8/2009 7:34:00 PM
Chloroethane	ND	2,500		mg/Kg	500000	12/8/2009 7:34:00 PM
Chloroform	ND	500		mg/Kg	500000	12/8/2009 7:34:00 PM
Chloromethane	ND	1,000		mg/Kg	500000	12/8/2009 7:34:00 PM
cis-1,2-Dichloroethene	ND	500		mg/Kg	500000	12/8/2009 7:34:00 PM
cis-1,3-Dichloropropene	ND	500		mg/Kg	500000	12/8/2009 7:34:00 PM
Dibromochloromethane	ND	500		mg/Kg	500000	12/8/2009 7:34:00 PM
Dibromomethane	ND	1,000		mg/Kg	500000	12/8/2009 7:34:00 PM
Dichlorodifluoromethane	ND	500		mg/Kg	500000	12/8/2009 7:34:00 PM
Dichloromethane	560	1,000	J	mg/Kg	500000	12/8/2009 7:34:00 PM
Diethyl ether	ND	500		mg/Kg	500000	12/8/2009 7:34:00 PM
Ethyl methacrylate	ND	1,000		mg/Kg	500000	12/8/2009 7:34:00 PM
Ethylbenzene	18,000	500		mg/Kg	500000	12/8/2009 7:34:00 PM
Ethylene dibromide	ND	500		mg/Kg	500000	12/8/2009 7:34:00 PM
Hexachlorobutadiene	ND	500		mg/Kg	500000	12/8/2009 7:34:00 PM
Hexachloroethane	ND	500		mg/Kg	500000	12/8/2009 7:34:00 PM
Isopropyl ether	ND	500		mg/Kg	500000	12/8/2009 7:34:00 PM
Isopropylbenzene	400	500	J	mg/Kg	500000	12/8/2009 7:34:00 PM
m,p-Xylene	62,000	1,000		mg/Kg	500000	12/8/2009 7:34:00 PM
Methyl ethyl ketone	2,300	2,500	J	mg/Kg	500000	12/8/2009 7:34:00 PM
Methyl Iodide	ND	1,000		mg/Kg	500000	12/8/2009 7:34:00 PM
Methyl isobutyl ketone	1,500	2,500	J	mg/Kg	500000	12/8/2009 7:34:00 PM
Methyl tert-butyl ether	ND	1,000		mg/Kg	500000	12/8/2009 7:34:00 PM
Naphthalene	ND	2,500		mg/Kg	500000	12/8/2009 7:34:00 PM
n-Butylbenzene	ND	500		mg/Kg	500000	12/8/2009 7:34:00 PM
n-Propylbenzene	720	500		mg/Kg	500000	12/8/2009 7:34:00 PM
o-Xylene	13,000	500		mg/Kg	500000	12/8/2009 7:34:00 PM
p-Isopropyltoluene	ND	500		mg/Kg	500000	12/8/2009 7:34:00 PM
sec-Butylbenzene	160	500	J	mg/Kg	500000	12/8/2009 7:34:00 PM
Styrene	3,300	500		mg/Kg	500000	12/8/2009 7:34:00 PM
t-Butyl alcohol	ND	25,000		mg/Kg	500000	12/8/2009 7:34:00 PM

Qualifiers:

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Analytical Report

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WO#: **0912101**

Date Reported: **12/14/2009**

CLIENT: PSC Environmental Services **Collection Date:** 12/3/2009

Project: Chemfuel

Lab ID: 0912101-001 **Matrix:** SOLVENT

Client Sample ID Nov. Chemfuel 2009

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS				**SW8260B**		Analyst: **RJ**
tert-Amyl Methyl Ether	ND	1,000		mg/Kg	500000	12/8/2009 7:34:00 PM
tert-Butyl Ethyl Ether	ND	1,000		mg/Kg	500000	12/8/2009 7:34:00 PM
tert-Butylbenzene	ND	500		mg/Kg	500000	12/8/2009 7:34:00 PM
Tetrachloroethene	ND	500		mg/Kg	500000	12/8/2009 7:34:00 PM
Toluene	30,000	500		mg/Kg	500000	12/8/2009 7:34:00 PM
trans-1,2-Dichloroethene	ND	500		mg/Kg	500000	12/8/2009 7:34:00 PM
trans-1,3-Dichloropropene	ND	500		mg/Kg	500000	12/8/2009 7:34:00 PM
trans-1,4-Dichloro-2-butene	ND	1,000		mg/Kg	500000	12/8/2009 7:34:00 PM
Trichloroethene	510	500		mg/Kg	500000	12/8/2009 7:34:00 PM
Trichlorofluoromethane	ND	500		mg/Kg	500000	12/8/2009 7:34:00 PM
Vinyl chloride	ND	400		mg/Kg	500000	12/8/2009 7:34:00 PM
Xylenes, Total	75,000	1,500		mg/Kg	500000	12/8/2009 7:34:00 PM
Surr: 4-Bromofluorobenzene	101	90.5-116		%REC	500000	12/8/2009 7:34:00 PM
Surr: Dibromofluoromethane	112	85-115		%REC	500000	12/8/2009 7:34:00 PM
Surr: Toluene-d8	100	87.2-110		%REC	500000	12/8/2009 7:34:00 PM

Qualifiers:

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J	Analyte detected below quantitation limits	M	Manual Integration used to determine area response
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CLIENT: PSC Environmental Services
Work Order: 0912101
Project: Chemfuel

QC SUMMARY REPORT

TestCode: SW_6020S

Sample ID: **0912101-001AMS**	SampType: **MS**	TestCode: **SW_6020S**	Units: **mg/Kg**	Prep Date: **12/10/2009**	RunNo: **31284**
Client ID: **Nov. Chemfuel 2009**	Batch ID: **16607**	TestNo: **SW6020A**	**SW3050B**	Analysis Date: **12/10/2009**	SeqNo: **557302**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Silver	42	0.46	46	196.2	91.5	75	125				

Sample ID: **0912101-001AMSD**	SampType: **MSD**	TestCode: **SW_6020S**	Units: **mg/Kg**	Prep Date: **12/10/2009**	RunNo: **31284**
Client ID: **Nov. Chemfuel 2009**	Batch ID: **16608**	TestNo: **SW6020A**	**SW3050B**	Analysis Date: **12/10/2009**	SeqNo: **557303**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Silver	46	0.46	46	196.2	98.1	75	125	42	7.80	25	

Sample ID: **LCS-16608**	SampType: **LCS**	TestCode: **SW_6020S**	Units: **mg/Kg**	Prep Date: **12/10/2009**	RunNo: **31284**
Client ID: **LCSS**	Batch ID: **16608**	TestNo: **SW6020A**	**SW3050B**	Analysis Date: **12/10/2009**	SeqNo: **557305**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Silver	1.1	0.050	1.0	0	108	80	120				

Sample ID: **MB-16608**	SampType: **MBLK**	TestCode: **SW_6020S**	Units: **mg/Kg**	Prep Date: **12/10/2009**	RunNo: **31284**
Client ID: **PBS**	Batch ID: **16608**	TestNo: **SW6020A**	**SW3050B**	Analysis Date: **12/10/2009**	SeqNo: **557306**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Silver	ND	0.0050									

Sample ID: **LCS-16607**	SampType: **LCS**	TestCode: **SW_6020S**	Units: **mg/Kg**	Prep Date: **12/10/2009**	RunNo: **31326**
Client ID: **LCSS**	Batch ID: **16607**	TestNo: **SW6020A**	**SW3050B**	Analysis Date: **12/13/2009**	SeqNo: **557800**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	0.94	0.10	1.0	0	93.7	80	120				
Barium	0.95	0.50	1.0	0	95.1	80	120				
Cadmium	0.88	0.20	1.0	0	88.1	80	120				
Chromium	0.98	0.25	1.0	0	98.3	80	120				

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	E	Value above quantitation range	H	Holding times for preparation or analys
J	Analyte detected below quantitation limits	M	Manual Integration used to determine area response	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit	S	Spike Recovery outside accepted recov

CLIENT: PSC Environmental Services
Work Order: 0912101
Project: Chemfuel

QC SUMMARY REPORT

TestCode: SW_6020S

Sample ID: **LCS-16607**	SampType: **LCS**	TestCode: **SW_6020S**	Units: **mg/Kg**	Prep Date: **12/10/2009**	RunNo: **31326**
Client ID: **LCSS**	Batch ID: **16607**	TestNo: **SW6020A**	**SW3050B**	Analysis Date: **12/13/2009**	SeqNo: **557800**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.93	0.10	1.0	0	93.3	80	120				
Selenium	0.91	0.50	1.0	0	90.8	80	120				

Sample ID: **MB-16607**	SampType: **MBLK**	TestCode: **SW_6020S**	Units: **mg/Kg**	Prep Date: **12/10/2009**	RunNo: **31326**
Client ID: **PBS**	Batch ID: **16607**	TestNo: **SW6020A**	**SW3050B**	Analysis Date: **12/13/2009**	SeqNo: **557801**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	ND	0.010									
Barium	ND	0.050									
Cadmium	ND	0.020									
Chromium	ND	0.025									
Lead	ND	0.010									
Selenium	ND	0.050									

Sample ID: **0912101-001AMSD**	SampType: **MSD**	TestCode: **SW_6020S**	Units: **mg/Kg**	Prep Date: **12/10/2009**	RunNo: **31326**
Client ID: **Nov. Chemfuel 2009**	Batch ID: **16607**	TestNo: **SW6020A**	**SW3050B**	Analysis Date: **12/13/2009**	SeqNo: **557803**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	52	0.089	45	2,428	110	75	125	0	0	25	
Barium	670	0.45	45	607,900	130	75	125	0	0	25	S
Cadmium	45	0.18	45	1,311	98.0	75	125	0	0	25	
Chromium	51	0.22	45	4,528	103	75	125	0	0	25	
Lead	49	0.089	45	4,083	99.6	75	125	0	0	25	
Selenium	48	0.45	45	217.9	108	75	125	0	0	25	

Sample ID: **0912101-001AMS**	SampType: **MS**	TestCode: **SW_6020S**	Units: **mg/Kg**	Prep Date: **12/10/2009**	RunNo: **31326**
Client ID: **Nov. Chemfuel 2009**	Batch ID: **16607**	TestNo: **SW6020A**	**SW3050B**	Analysis Date: **12/13/2009**	SeqNo: **557805**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	E	Value above quantitation range	H	Holding times for preparation or analys
J	Analyte detected below quantitation limits	M	Manual Integration used to determine area response	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit	S	Spike Recovery outside accepted recov

CLIENT: PSC Environmental Services
Work Order: 0912101
Project: Chemfuel

QC SUMMARY REPORT

TestCode: SW_6020S

Sample ID: **0912101-001AMS** SampType: **MS** TestCode: **SW_6020S** Units: **mg/Kg** Prep Date: **12/10/2009** RunNo: **31326**
Client ID: **Nov. Chemfuel 2009** Batch ID: **16607** TestNo: **SW6020A** **SW3050B** Analysis Date: **12/13/2009** SeqNo: **557805**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	51	0.092	46	0	111	75	125				
Barium	650	0.46	46	0	1,420	75	125				S
Cadmium	45	0.18	46	0	97.6	75	125				
Chromium	51	0.23	46	0	112	75	125				
Lead	46	0.092	46	0	99.8	75	125				
Selenium	49	0.46	46	0	107	75	125				

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	E	Value above quantitation range	H	Holding times for preparation or analys
J	Analyte detected below quantitation limits	M	Manual Integration used to determine area response	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit	S	Spike Recovery outside accepted recov

CLIENT: PSC Environmental Services
Work Order: 0912101
Project: Chemfuel

QC SUMMARY REPORT

TestCode: SW_7471S

Sample ID: **MB-16580**	SampType: **MBLK**	TestCode: **SW_7471S**	Units: **mg/Kg**	Prep Date: **12/8/2009**	RunNo: **31288**
Client ID: **PBS**	Batch ID: **16580**	TestNo: **SW7471A**		Analysis Date: **12/10/2009**	SeqNo: **557312**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.0043	0.031									J

Sample ID: **LCS-16580**	SampType: **LCS**	TestCode: **SW_7471S**	Units: **mg/Kg**	Prep Date: **12/8/2009**	RunNo: **31288**
Client ID: **LCSS**	Batch ID: **16580**	TestNo: **SW7471A**		Analysis Date: **12/10/2009**	SeqNo: **557313**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.063	0.036	0.060	0	105	80	120				

Sample ID: **0911614-001AMS**	SampType: **MS**	TestCode: **SW_7471S**	Units: **mg/Kg**	Prep Date: **12/8/2009**	RunNo: **31288**
Client ID: **ZZZZZZ**	Batch ID: **16580**	TestNo: **SW7471A**		Analysis Date: **12/10/2009**	SeqNo: **557315**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.054	0.034	0.057	6.315	85.0	80	120				

Sample ID: **0911614-001AMSD**	SampType: **MSD**	TestCode: **SW_7471S**	Units: **mg/Kg**	Prep Date: **12/8/2009**	RunNo: **31288**
Client ID: **ZZZZZZ**	Batch ID: **16580**	TestNo: **SW7471A**		Analysis Date: **12/10/2009**	SeqNo: **557316**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.066	0.033	0.055	6.315	110	80	120	0.054	19.6	20	

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	E	Value above quantitation range	H	Holding times for preparation or analys
J	Analyte detected below quantitation limits	M	Manual Integration used to determine area response	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit	S	Spike Recovery outside accepted recov

CLIENT: PSC Environmental Services
Work Order: 0912101
Project: Chemfuel

QC SUMMARY REPORT

TestCode: SW_8015S

Sample ID: **lcs**	SampType: **lcs**	TestCode: **sw_8015s**	Units: **mg/Kg**	Prep Date:	RunNo: **31266**
Client ID: **LCSS**	Batch ID: **R31266**	TestNo: **SW8015B**		Analysis Date: **12/9/2009**	SeqNo: **556624**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2-propanediol	0.024	0.0010	0.025	0	96.5	70	130				
Cyclohexanone	0.029	0.0010	0.025	0	116	70	130				
Ethyl acetate	0.027	0.0010	0.025	0	107	70	130				
Ethyl alcohol	0.029	0.0010	0.025	0	115	70	130				
Ethylene glycol	0.022	0.0020	0.025	0	88.3	70	130				
Ethylene Glycol Ethyl Ether	0.028	0.0010	0.025	0	111	70	130				
Ethylene Glycol Methyl Ether	0.027	0.0010	0.025	0	108	70	130				
Isobutyl alcohol	0.028	0.0010	0.025	0	113	70	130				
Isopropyl alcohol	0.028	0.0010	0.025	0	111	70	130				
Methanol	0.028	0.0010	0.025	0	113	70	130				
n-Butyl alcohol	0.029	0.0010	0.025	0	114	70	130				
n-Propyl alcohol	0.028	0.0010	0.025	0	112	70	130				

Sample ID: **lcsd**	SampType: **lcsd**	TestCode: **sw_8015s**	Units: **mg/Kg**	Prep Date:	RunNo: **31266**
Client ID: **LCSS02**	Batch ID: **R31266**	TestNo: **SW8015B**		Analysis Date: **12/9/2009**	SeqNo: **556625**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2-propanediol	0.024	0.0010	0.025	0	96.2	70	130	0.024	0.309	25	
Cyclohexanone	0.028	0.0010	0.025	0	113	70	130	0.029	2.60	25	
Ethyl acetate	0.025	0.0010	0.025	0	101	70	130	0.027	5.96	25	
Ethyl alcohol	0.027	0.0010	0.025	0	109	70	130	0.029	4.68	25	
Ethylene glycol	0.022	0.0020	0.025	0	87.6	70	130	0.022	0.810	25	
Ethylene Glycol Ethyl Ether	0.027	0.0010	0.025	0	108	70	130	0.028	2.55	25	
Ethylene Glycol Methyl Ether	0.026	0.0010	0.025	0	105	70	130	0.027	2.39	25	
Isobutyl alcohol	0.027	0.0010	0.025	0	109	70	130	0.028	3.74	25	
Isopropyl alcohol	0.027	0.0010	0.025	0	106	70	130	0.028	4.04	25	
Methanol	0.028	0.0010	0.025	0	111	70	130	0.028	1.88	25	
n-Butyl alcohol	0.028	0.0010	0.025	0	110	70	130	0.029	3.90	25	
n-Propyl alcohol	0.027	0.0010	0.025	0	108	70	130	0.028	3.70	25	

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	E	Value above quantitation range	H	Holding times for preparation or analys
J	Analyte detected below quantitation limits	M	Manual Integration used to determine area response	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit	S	Spike Recovery outside accepted recov

CLIENT: PSC Environmental Services
Work Order: 0912101
Project: Chemfuel

QC SUMMARY REPORT

TestCode: SW_8015S

Sample ID: **mb**	SampType: **mblk**	TestCode: **sw_8015s**	Units: **mg/Kg**	Prep Date:	RunNo: **31266**
Client ID: **PBS**	Batch ID: **R31266**	TestNo: **SW8015B**		Analysis Date: **12/9/2009**	SeqNo: **556626**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2-propanediol	ND	0.0010									
Cyclohexanone	ND	0.0010									
Ethyl acetate	ND	0.0010									
Ethyl alcohol	ND	0.0010									
Ethylene glycol	ND	0.0020									
Ethylene Glycol Ethyl Ether	ND	0.0010									
Ethylene Glycol Methyl Ether	ND	0.0010									
Isobutyl alcohol	ND	0.0010									
Isopropyl alcohol	ND	0.0010									
Methanol	ND	0.0010									
n-Butyl alcohol	ND	0.0010									
n-Propyl alcohol	ND	0.0010									

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	E	Value above quantitation range	H	Holding times for preparation or analys
J	Analyte detected below quantitation limits	M	Manual Integration used to determine area response	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit	S	Spike Recovery outside accepted recov

CLIENT: PSC Environmental Services
Work Order: 0912101
Project: Chemfuel

QC SUMMARY REPORT

TestCode: SW_8260S

Sample ID: **10ug/kg LCS 10uL** SampType: **LCS** TestCode: **SW_8260S** Units: **mg/Kg** Prep Date: RunNo: **31253**
Client ID: **LCSS** Batch ID: **R31253** TestNo: **SW8260B** Analysis Date: **12/8/2009** SeqNo: **556388**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	0.52	0.050	0.50	0	104	78	119				
1,1,1-Trichloroethane	0.57	0.050	0.50	0	114	70	132				
1,1,2,2-Tetrachloroethane	0.53	0.050	0.50	0	105	75.6	122				
1,1,2-Trichloro-1,2,2-trifluoroethane	0.59	0.050	0.50	0	118	19.6	165				
1,1,2-Trichloroethane	0.52	0.050	0.50	0	104	72.6	123				
1,1-Dichloroethane	0.59	0.050	0.50	0	119	75	125				
1,1-Dichloroethene	0.62	0.050	0.50	0	123	65	134				
1,1-Dichloropropene	0.57	0.050	0.50	0	114	70	135				
1,2,3-Trichlorobenzene	0.52	0.050	0.50	0	104	77.8	135				
1,2,3-Trichloropropane	0.50	0.10	0.50	0	99.1	65	129				
1,2,3-Trimethylbenzene	0.52	0.050	0.50	0	104	74	126				
1,2,4-Trichlorobenzene	0.52	0.25	0.50	0	103	76.6	135				
1,2,4-Trimethylbenzene	0.54	0.050	0.50	0	107	79.2	125				
1,2-Dibromo-3-chloropropane	0.48	0.10	0.50	0	96.9	55.1	132				
1,2-Dichlorobenzene	0.51	0.050	0.50	0	103	77.9	120				
1,2-Dichloroethane	0.59	0.050	0.50	0	118	70.6	132				
1,2-Dichloropropane	0.52	0.050	0.50	0	104	71.5	120				
1,3,5-Trimethylbenzene	0.54	0.050	0.50	0	109	80.5	127				
1,3-Dichlorobenzene	0.50	0.050	0.50	0	100	80.4	121				
1,3-Dichloropropane	0.52	0.050	0.50	0	104	75	125				
1,4-Dichlorobenzene	0.54	0.050	0.50	0	108	79.5	122				
2,2-Dichloropropane	0.54	0.050	0.50	0	108	65	135				
2-Chloroethyl vinyl ether	0.53	0.10	0.50	0	105	62.1	125				
2-Chlorotoluene	0.51	0.050	0.50	0	102	78.7	125				
2-Hexanone	0.50	0.25	0.50	0	101	62	135				
2-Methylnaphthalene	0.49	0.25	0.50	0	98.8	57.2	165				
2-Nitropropane	0.46	0.10	0.50	0	91.7	70	130				
4-Chlorotoluene	0.54	0.10	0.50	0	108	78.8	125				m
Acetone	0.67	0.50	0.50	0	133	51.6	160				
Acrylonitrile	0.57	0.10	0.50	0	114	63.3	132				

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	E	Value above quantitation range	H	Holding times for preparation or analys
J	Analyte detected below quantitation limits	M	Manual Integration used to determine area response	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit	S	Spike Recovery outside accepted recov

CLIENT: PSC Environmental Services
Work Order: 0912101
Project: Chemfuel

QC SUMMARY REPORT

TestCode: SW_8260S

Sample ID: **10ug/kg LCS 10uL** SampType: **LCS** TestCode: **SW_8260S** Units: **mg/Kg** Prep Date: RunNo: **31253**
Client ID: **LCSS** Batch ID: **R31253** TestNo: **SW8260B** Analysis Date: **12/8/2009** SeqNo: **556388**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	0.55	0.030	0.50	0	110	75	125				
Bromobenzene	0.53	0.050	0.50	0	106	79.9	120				
Bromochloromethane	0.57	0.050	0.50	0	114	70	125				
Bromodichloromethane	0.52	0.050	0.50	0	104	70	121				
Bromoform	0.50	0.050	0.50	0	101	62.8	115				
Bromomethane	0.61	0.20	0.50	0	123	44.3	160				
Carbon disulfide	0.64	0.25	0.50	0	128	68	152				
Carbon tetrachloride	0.55	0.050	0.50	0	111	65	135				
Chlorobenzene	0.52	0.050	0.50	0	103	81.6	117				
Chloroethane	0.62	0.25	0.50	0	125	65.1	155				
Chloroform	0.56	0.050	0.50	0	112	70	125				
Chloromethane	0.54	0.10	0.50	0	108	50	130				
cis-1,2-Dichloroethene	0.56	0.050	0.50	0	112	65	125				
cis-1,3-Dichloropropene	0.54	0.050	0.50	0	109	71	125				
Dibromochloromethane	0.51	0.050	0.50	0	102	68.4	119				
Dibromomethane	0.52	0.10	0.50	0	104	75	127				
Dichlorodifluoromethane	0.51	0.050	0.50	0	103	35	135				
Dichloromethane	0.60	0.10	0.50	0	121	62.4	140				
Diethyl ether	0.59	0.050	0.50	0	117	65.6	133				
Ethyl methacrylate	0.52	0.10	0.50	0	105	67.3	133				
Ethylbenzene	0.54	0.050	0.50	0	108	80.2	125				
Ethylene dibromide	0.51	0.050	0.50	0	103	71.8	125				
Hexachlorobutadiene	0.61	0.050	0.50	0	123	73.8	140				
Hexachloroethane	0.47	0.050	0.50	0	93.1	66.1	117				
Isopropyl ether	0.61	0.050	0.50	0	123	67.9	139				
Isopropylbenzene	0.63	0.050	0.50	0	125	89.8	130				
m,p-Xylene	1.1	0.10	1.0	0	110	80.6	125				
Methyl ethyl ketone	0.61	0.25	0.50	0	122	65.4	142				
Methyl Iodide	0.74	0.10	0.50	0	149	10	171				
Methyl isobutyl ketone	0.48	0.25	0.50	0	96.9	55.6	145				m

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	E	Value above quantitation range	H	Holding times for preparation or analys
J	Analyte detected below quantitation limits	M	Manual Integration used to determine area response	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit	S	Spike Recovery outside accepted recov

CLIENT: PSC Environmental Services
Work Order: 0912101
Project: Chemfuel

QC SUMMARY REPORT

TestCode: SW_8260S

Sample ID: **10ug/kg LCS 10uL** SampType: **LCS** TestCode: **SW_8260S** Units: **mg/Kg** Prep Date: RunNo: **31253**
Client ID: **LCSS** Batch ID: **R31253** TestNo: **SW8260B** Analysis Date: **12/8/2009** SeqNo: **556388**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Methyl tert-butyl ether	1.1	0.10	1.0	0	114	63.2	136				
Naphthalene	0.58	0.25	0.50	0	116	75.7	125				
n-Butylbenzene	0.54	0.050	0.50	0	108	73.1	139				
n-Propylbenzene	0.54	0.050	0.50	0	108	80.8	130				
o-Xylene	0.51	0.050	0.50	0	102	78	122				
p-Isopropyltoluene	0.54	0.050	0.50	0	108	81.1	126				
sec-Butylbenzene	0.53	0.050	0.50	0	107	77.9	130				
Styrene	0.54	0.050	0.50	0	109	81.5	125				
t-Butyl alcohol	3.3	2.5	2.5	0	133	70	130				S
tert-Amyl Methyl Ether	0.55	0.10	0.50	0	111	70.3	130				
tert-Butyl Ethyl Ether	0.59	0.10	0.50	0	118	65.6	136				
tert-Butylbenzene	0.50	0.050	0.50	0	101	80.1	125				
Tetrachloroethene	0.57	0.050	0.50	0	113	65	140				
Toluene	0.55	0.050	0.50	0	110	76.3	125				
trans-1,2-Dichloroethene	0.61	0.050	0.50	0	122	65	135				
trans-1,3-Dichloropropene	0.53	0.050	0.50	0	107	67.1	125				
trans-1,4-Dichloro-2-butene	0.54	0.10	0.50	0	108	68.8	128				
Trichloroethene	0.53	0.050	0.50	0	106	75	125				
Trichlorofluoromethane	0.58	0.050	0.50	0	117	34.3	163				
Vinyl chloride	0.58	0.040	0.50	0	117	60	125				
Xylenes, Total	1.6	0.15	1.5	0	107	80	124				
Surr: 4-Bromofluorobenzene	2,600		2,500		104	90.5	116				
Surr: Dibromofluoromethane	2,700		2,500		108	85	115				
Surr: Toluene-d8	2,500		2,500		101	87.2	110				

Sample ID: **MBLK 5mL DIH2O** SampType: **MBLK** TestCode: **SW_8260S** Units: **mg/Kg** Prep Date: RunNo: **31253**
Client ID: **PBS** Batch ID: **R31253** TestNo: **SW8260B** Analysis Date: **12/8/2009** SeqNo: **556389**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	ND	0.050									

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	E	Value above quantitation range	H	Holding times for preparation or analys
J	Analyte detected below quantitation limits	M	Manual Integration used to determine area response	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit	S	Spike Recovery outside accepted recov

CLIENT: PSC Environmental Services
Work Order: 0912101
Project: Chemfuel

QC SUMMARY REPORT

TestCode: SW_8260S

Sample ID: **MBLK 5mL DIH2O** SampType: **MBLK** TestCode: **SW_8260S** Units: **mg/Kg** Prep Date: RunNo: **31253**
Client ID: **PBS** Batch ID: **R31253** TestNo: **SW8260B** Analysis Date: **12/8/2009** SeqNo: **556389**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1-Trichloroethane	ND	0.050									
1,1,2,2-Tetrachloroethane	ND	0.050									
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	0.050									
1,1,2-Trichloroethane	ND	0.050									
1,1-Dichloroethane	ND	0.050									
1,1-Dichloroethene	ND	0.050									
1,1-Dichloropropene	ND	0.050									
1,2,3-Trichlorobenzene	ND	0.050									
1,2,3-Trichloropropane	ND	0.10									
1,2,3-Trimethylbenzene	ND	0.050									
1,2,4-Trichlorobenzene	ND	0.25									
1,2,4-Trimethylbenzene	ND	0.050									
1,2-Dibromo-3-chloropropane	ND	0.10									
1,2-Dichlorobenzene	ND	0.050									
1,2-Dichloroethane	ND	0.050									
1,2-Dichloropropane	ND	0.050									
1,3,5-Trimethylbenzene	ND	0.050									
1,3-Dichlorobenzene	ND	0.050									
1,3-Dichloropropane	ND	0.050									
1,4-Dichlorobenzene	ND	0.050									
2,2-Dichloropropane	ND	0.050									
2-Chloroethyl vinyl ether	ND	0.10									
2-Chlorotoluene	ND	0.050									
2-Hexanone	ND	0.25									
2-Methylnaphthalene	ND	0.25									
2-Nitropropane	ND	0.10									
4-Chlorotoluene	ND	0.10									
Acetone	ND	0.50									
Acrylonitrile	ND	0.10									
Benzene	ND	0.030									

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	E	Value above quantitation range	H	Holding times for preparation or analys
J	Analyte detected below quantitation limits	M	Manual Integration used to determine area response	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit	S	Spike Recovery outside accepted recov

CLIENT: PSC Environmental Services
Work Order: 0912101
Project: Chemfuel

QC SUMMARY REPORT

TestCode: SW_8260S

Sample ID: **MBLK 5mL DIH2O** SampType: **MBLK** TestCode: **SW_8260S** Units: **mg/Kg** Prep Date: RunNo: **31253**
Client ID: **PBS** Batch ID: **R31253** TestNo: **SW8260B** Analysis Date: **12/8/2009** SeqNo: **556389**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Bromobenzene	ND	0.050									
Bromochloromethane	ND	0.050									
Bromodichloromethane	ND	0.050									
Bromoform	ND	0.050									
Bromomethane	ND	0.20									
Carbon disulfide	ND	0.25									
Carbon tetrachloride	ND	0.050									
Chlorobenzene	ND	0.050									
Chloroethane	ND	0.25									
Chloroform	ND	0.050									
Chloromethane	ND	0.10									
cis-1,2-Dichloroethene	ND	0.050									
cis-1,3-Dichloropropene	ND	0.050									
Dibromochloromethane	ND	0.050									
Dibromomethane	ND	0.10									
Dichlorodifluoromethane	ND	0.050									
Dichloromethane	0.030	0.10									J
Diethyl ether	ND	0.050									
Ethyl methacrylate	ND	0.10									
Ethylbenzene	ND	0.050									
Ethylene dibromide	ND	0.050									
Hexachlorobutadiene	ND	0.050									
Hexachloroethane	ND	0.050									
Isopropyl ether	ND	0.050									
Isopropylbenzene	ND	0.050									
m,p-Xylene	ND	0.10									
Methyl ethyl ketone	0.11	0.25									J
Methyl Iodide	0.042	0.10									Jm
Methyl isobutyl ketone	ND	0.25									
Methyl tert-butyl ether	ND	0.10									

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	E	Value above quantitation range	H	Holding times for preparation or analys
J	Analyte detected below quantitation limits	M	Manual Integration used to determine area response	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit	S	Spike Recovery outside accepted recov

CLIENT: PSC Environmental Services
Work Order: 0912101
Project: Chemfuel

QC SUMMARY REPORT

TestCode: SW_8260S

Sample ID: **MBLK 5mL DIH2O** SampType: **MBLK** TestCode: **SW_8260S** Units: **mg/Kg** Prep Date: RunNo: **31253**
Client ID: **PBS** Batch ID: **R31253** TestNo: **SW8260B** Analysis Date: **12/8/2009** SeqNo: **556389**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Naphthalene	ND	0.25									
n-Butylbenzene	ND	0.050									
n-Propylbenzene	ND	0.050									
o-Xylene	ND	0.050									
p-Isopropyltoluene	ND	0.050									
sec-Butylbenzene	ND	0.050									
Styrene	ND	0.050									
t-Butyl alcohol	ND	2.5									
tert-Amyl Methyl Ether	ND	0.10									
tert-Butyl Ethyl Ether	ND	0.10									
tert-Butylbenzene	ND	0.050									
Tetrachloroethene	ND	0.050									
Toluene	ND	0.050									
trans-1,2-Dichloroethene	ND	0.050									
trans-1,3-Dichloropropene	ND	0.050									
trans-1,4-Dichloro-2-butene	ND	0.10									
Trichloroethene	ND	0.050									
Trichlorofluoromethane	ND	0.050									
Vinyl chloride	ND	0.040									
Xylenes, Total	ND	0.15									
Surr: 4-Bromofluorobenzene	2,500		2,500		101	90.5	116				
Surr: Dibromofluoromethane	2,700		2,500		109	85	115				
Surr: Toluene-d8	2,600		2,500		102	87.2	110				

Sample ID: **0912126-001AMS** SampType: **MS** TestCode: **SW_8260S** Units: **mg/Kg-dry** Prep Date: RunNo: **31253**
Client ID: **ZZZZZZ** Batch ID: **R31253** TestNo: **SW8260B** Analysis Date: **12/8/2009** SeqNo: **556394**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	0.58	0.064	0.64	0	90.8	78	119				
1,1,1-Trichloroethane	0.67	0.064	0.64	0	104	70	132				

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	E	Value above quantitation range	H	Holding times for preparation or analys
J	Analyte detected below quantitation limits	M	Manual Integration used to determine area response	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit	S	Spike Recovery outside accepted recov

CLIENT: PSC Environmental Services
Work Order: 0912101
Project: Chemfuel

QC SUMMARY REPORT

TestCode: SW_8260S

Sample ID: **0912126-001AMS** SampType: **MS** TestCode: **SW_8260S** Units: **mg/Kg-dry** Prep Date: RunNo: **31253**
Client ID: **ZZZZZZ** Batch ID: **R31253** TestNo: **SW8260B** Analysis Date: **12/8/2009** SeqNo: **556394**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,2,2-Tetrachloroethane	0.61	0.064	0.64	0	94.3	75.6	122				
1,1,2-Trichloro-1,2,2-trifluoroethane	0.66	0.064	0.64	0	102	19.6	165				
1,1,2-Trichloroethane	0.60	0.064	0.64	0	93.3	72.6	123				
1,1-Dichloroethane	0.72	0.064	0.64	0	111	75	125				
1,1-Dichloroethene	0.67	0.064	0.64	0	105	65	134				
1,1-Dichloropropene	0.68	0.064	0.64	0	106	70	135				
1,2,3-Trichlorobenzene	0.48	0.064	0.64	0	75.4	77.8	135				S
1,2,3-Trichloropropane	0.57	0.13	0.64	0	88.0	65	129				
1,2,3-Trimethylbenzene	0.57	0.064	0.64	0	88.3	74	126				
1,2,4-Trichlorobenzene	0.51	0.32	0.64	0	80.1	76.6	135				
1,2,4-Trimethylbenzene	0.60	0.064	0.64	0	94.1	79.2	125				
1,2-Dibromo-3-chloropropane	0.59	0.13	0.64	0	91.2	55.1	132				
1,2-Dichlorobenzene	0.56	0.064	0.64	0	87.4	77.9	120				
1,2-Dichloroethane	0.68	0.064	0.64	0	107	70.6	132				
1,2-Dichloropropane	0.63	0.064	0.64	0	97.9	71.5	120				
1,3,5-Trimethylbenzene	0.59	0.064	0.64	0	91.9	80.5	127				
1,3-Dichlorobenzene	0.55	0.064	0.64	0	85.3	80.4	121				
1,3-Dichloropropane	0.61	0.064	0.64	0	95.4	75	125				
1,4-Dichlorobenzene	0.58	0.064	0.64	0	90.8	79.5	122				
2,2-Dichloropropane	0.62	0.064	0.64	0	97.2	65	135				
2-Chloroethyl vinyl ether	0.59	0.13	0.64	0	92.2	62.1	125				
2-Chlorotoluene	0.59	0.064	0.64	0	91.5	78.7	125				m
2-Hexanone	0.61	0.32	0.64	0	95.6	62	135				
2-Methylnaphthalene	0.38	0.32	0.64	0	59.7	57.2	165				
2-Nitropropane	0.56	0.13	0.64	0	87.0	70	130				
4-Chlorotoluene	0.59	0.13	0.64	0	91.7	78.8	125				
Acetone	0.90	0.64	0.64	0	140	51.6	160				
Acrylonitrile	0.71	0.13	0.64	0	111	63.3	132				
Benzene	0.67	0.039	0.64	0	105	75	125				
Bromobenzene	0.59	0.064	0.64	0	92.5	79.9	120				

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	E	Value above quantitation range	H	Holding times for preparation or analys
J	Analyte detected below quantitation limits	M	Manual Integration used to determine area response	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit	S	Spike Recovery outside accepted recov

CLIENT: PSC Environmental Services
Work Order: 0912101
Project: Chemfuel

QC SUMMARY REPORT

TestCode: SW_8260S

Sample ID: **0912126-001AMS** SampType: **MS** TestCode: **SW_8260S** Units: **mg/Kg-dry** Prep Date: RunNo: **31253**
Client ID: **ZZZZZZ** Batch ID: **R31253** TestNo: **SW8260B** Analysis Date: **12/8/2009** SeqNo: **556394**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Bromochloromethane	0.68	0.064	0.64	0	105	70	125				
Bromodichloromethane	0.60	0.064	0.64	0	93.3	70	121				
Bromoform	0.54	0.064	0.64	0	84.3	62.8	115				
Bromomethane	0.88	0.26	0.64	0	137	44.3	160				
Carbon disulfide	0.68	0.32	0.64	0	106	68	152				
Carbon tetrachloride	0.63	0.064	0.64	0	97.5	65	135				
Chlorobenzene	0.58	0.064	0.64	0	90.9	81.6	117				
Chloroethane	0.78	0.32	0.64	0	122	65.1	155				
Chloroform	0.66	0.064	0.64	0	103	70	125				
Chloromethane	0.67	0.13	0.64	0	104	50	130				
cis-1,2-Dichloroethene	0.65	0.064	0.64	0	102	65	125				
cis-1,3-Dichloropropene	0.61	0.064	0.64	0	94.3	71	125				
Dibromochloromethane	0.57	0.064	0.64	0	89.4	68.4	119				
Dibromomethane	0.61	0.13	0.64	0	95.1	75	127				
Dichlorodifluoromethane	0.61	0.064	0.64	0	95.0	35	135				
Dichloromethane	0.71	0.13	0.64	0	110	62.4	140				
Diethyl ether	0.66	0.064	0.64	0	102	65.6	133				
Ethyl methacrylate	0.62	0.13	0.64	0	97.2	67.3	133				
Ethylbenzene	0.62	0.064	0.64	0	95.9	80.2	125				
Ethylene dibromide	0.61	0.064	0.64	0	95.5	71.8	125				
Hexachlorobutadiene	0.51	0.064	0.64	0	79.1	73.8	140				
Hexachloroethane	0.49	0.064	0.64	0	76.2	66.1	117				
Isopropyl ether	0.71	0.064	0.64	0	111	67.9	139				
Isopropylbenzene	0.70	0.064	0.64	0	109	89.8	130				
m,p-Xylene	1.2	0.13	1.3	0	97.0	80.6	125				
Methyl ethyl ketone	0.75	0.32	0.64	183.1	88.7	65.4	142				
Methyl Iodide	0.79	0.13	0.64	0	122	10	171				
Methyl isobutyl ketone	0.68	0.32	0.64	0	105	55.6	145				m
Methyl tert-butyl ether	1.4	0.13	1.3	0	105	63.2	136				
Naphthalene	0.59	0.32	0.64	0	91.4	75.7	125				

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	E	Value above quantitation range	H	Holding times for preparation or analys
J	Analyte detected below quantitation limits	M	Manual Integration used to determine area response	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit	S	Spike Recovery outside accepted recov

CLIENT: PSC Environmental Services
Work Order: 0912101
Project: Chemfuel

QC SUMMARY REPORT

TestCode: SW_8260S

Sample ID: **0912126-001AMS** SampType: **MS** TestCode: **SW_8260S** Units: **mg/Kg-dry** Prep Date: RunNo: **31253**
Client ID: **ZZZZZZ** Batch ID: **R31253** TestNo: **SW8260B** Analysis Date: **12/8/2009** SeqNo: **556394**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
n-Butylbenzene	0.57	0.064	0.64	0	88.2	73.1	139				
n-Propylbenzene	0.61	0.064	0.64	0	95.1	80.8	130				
o-Xylene	0.57	0.064	0.64	0	88.9	78	122				
p-Isopropyltoluene	0.59	0.064	0.64	0	91.2	81.1	126				
sec-Butylbenzene	0.58	0.064	0.64	0	89.5	77.9	130				
Styrene	0.61	0.064	0.64	0	95.2	81.5	125				
t-Butyl alcohol	3.9	3.2	3.2	0	120	70	130				
tert-Amyl Methyl Ether	0.65	0.13	0.64	0	101	70.3	130				
tert-Butyl Ethyl Ether	0.68	0.13	0.64	0	106	65.6	136				
tert-Butylbenzene	0.56	0.064	0.64	0	87.3	80.1	125				
Tetrachloroethene	0.62	0.064	0.64	0	96.0	65	140				
Toluene	0.65	0.064	0.64	0	101	76.3	125				
trans-1,2-Dichloroethene	0.70	0.064	0.64	0	109	65	135				
trans-1,3-Dichloropropene	0.58	0.064	0.64	0	89.7	67.1	125				
trans-1,4-Dichloro-2-butene	0.58	0.13	0.64	0	90.1	68.8	128				
Trichloroethene	0.61	0.064	0.64	0	94.8	75	125				
Trichlorofluoromethane	0.69	0.064	0.64	0	107	34.3	163				
Vinyl chloride	0.70	0.051	0.64	0	109	60	125				
Xylenes, Total	1.8	0.19	1.9	0	94.3	80	124				
Surr: 4-Bromofluorobenzene	3,300		3,213		102	90.5	116				
Surr: Dibromofluoromethane	3,600		3,213		112	85	115				
Surr: Toluene-d8	3,300		3,213		104	87.2	110				

Sample ID: **0912126-001AMSD** SampType: **MSD** TestCode: **SW_8260S** Units: **mg/Kg-dry** Prep Date: RunNo: **31253**
Client ID: **ZZZZZZ** Batch ID: **R31253** TestNo: **SW8260B** Analysis Date: **12/8/2009** SeqNo: **556395**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	0.62	0.064	0.64	0	96.0	78	119	0.58	5.57	25	
1,1,1-Trichloroethane	0.70	0.064	0.64	0	109	70	132	0.67	4.23	25	
1,1,2,2-Tetrachloroethane	0.65	0.064	0.64	0	101	75.6	122	0.61	6.86	25	

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	E	Value above quantitation range	H	Holding times for preparation or analys
J	Analyte detected below quantitation limits	M	Manual Integration used to determine area response	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit	S	Spike Recovery outside accepted recov

CLIENT: PSC Environmental Services
Work Order: 0912101
Project: Chemfuel

QC SUMMARY REPORT

TestCode: SW_8260S

Sample ID: **0912126-001AMSD** SampType: **MSD** TestCode: **SW_8260S** Units: **mg/Kg-dry** Prep Date: RunNo: **31253**
Client ID: **ZZZZZZ** Batch ID: **R31253** TestNo: **SW8260B** Analysis Date: **12/8/2009** SeqNo: **556395**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,2-Trichloro-1,2,2-trifluoroethane	0.71	0.064	0.64	0	111	19.6	165	0.66	7.89	25	
1,1,2-Trichloroethane	0.63	0.064	0.64	0	98.1	72.6	123	0.60	5.02	25	
1,1-Dichloroethane	0.72	0.064	0.64	0	112	75	125	0.72	0.626	25	
1,1-Dichloroethene	0.74	0.064	0.64	0	115	65	134	0.67	9.36	25	
1,1-Dichloropropene	0.72	0.064	0.64	0	111	70	135	0.68	4.97	25	
1,2,3-Trichlorobenzene	0.54	0.064	0.64	0	83.7	77.8	135	0.48	10.4	25	
1,2,3-Trichloropropane	0.57	0.13	0.64	0	89.3	65	129	0.57	1.47	25	
1,2,3-Trimethylbenzene	0.61	0.064	0.64	0	95.3	74	126	0.57	7.63	25	
1,2,4-Trichlorobenzene	0.61	0.32	0.64	0	94.6	76.6	135	0.51	16.6	25	
1,2,4-Trimethylbenzene	0.64	0.064	0.64	0	100	79.2	125	0.60	6.08	25	
1,2-Dibromo-3-chloropropane	0.58	0.13	0.64	0	90.2	55.1	132	0.59	1.10	25	
1,2-Dichlorobenzene	0.60	0.064	0.64	0	93.8	77.9	120	0.56	7.06	25	
1,2-Dichloroethane	0.74	0.064	0.64	0	115	70.6	132	0.68	7.32	25	
1,2-Dichloropropane	0.66	0.064	0.64	0	102	71.5	120	0.63	4.59	25	
1,3,5-Trimethylbenzene	0.63	0.064	0.64	0	98.4	80.5	127	0.59	6.83	25	
1,3-Dichlorobenzene	0.58	0.064	0.64	0	90.8	80.4	121	0.55	6.25	25	
1,3-Dichloropropane	0.64	0.064	0.64	0	99.5	75	125	0.61	4.21	25	
1,4-Dichlorobenzene	0.61	0.064	0.64	0	95.0	79.5	122	0.58	4.52	25	
2,2-Dichloropropane	0.64	0.064	0.64	0	99.9	65	135	0.62	2.74	25	
2-Chloroethyl vinyl ether	0.63	0.13	0.64	0	98.5	62.1	125	0.59	6.61	25	
2-Chlorotoluene	0.63	0.064	0.64	0	98.2	78.7	125	0.59	7.06	25	
2-Hexanone	0.61	0.32	0.64	0	94.9	62	135	0.61	0.735	25	
2-Methylnaphthalene	0.46	0.32	0.64	0	71.9	57.2	165	0.38	18.5	25	
2-Nitropropane	0.53	0.13	0.64	0	83.1	70	130	0.56	4.59	25	
4-Chlorotoluene	0.65	0.13	0.64	0	101	78.8	125	0.59	9.65	25	
Acetone	0.92	0.64	0.64	0	144	51.6	160	0.90	2.54	25	
Acrylonitrile	0.69	0.13	0.64	0	107	63.3	132	0.71	3.66	25	
Benzene	0.70	0.039	0.64	0	109	75	125	0.67	4.12	25	
Bromobenzene	0.63	0.064	0.64	0	98.7	79.9	120	0.59	6.49	25	
Bromochloromethane	0.72	0.064	0.64	0	112	70	125	0.68	6.07	25	

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	E	Value above quantitation range	H	Holding times for preparation or analys
J	Analyte detected below quantitation limits	M	Manual Integration used to determine area response	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit	S	Spike Recovery outside accepted recov

CLIENT: PSC Environmental Services
Work Order: 0912101
Project: Chemfuel

QC SUMMARY REPORT

TestCode: SW_8260S

Sample ID: **0912126-001AMSD** SampType: **MSD** TestCode: **SW_8260S** Units: **mg/Kg-dry** Prep Date: RunNo: **31253**
Client ID: **ZZZZZZ** Batch ID: **R31253** TestNo: **SW8260B** Analysis Date: **12/8/2009** SeqNo: **556395**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Bromodichloromethane	0.63	0.064	0.64	0	97.7	70	121	0.60	4.61	25	
Bromoform	0.55	0.064	0.64	0	86.1	62.8	115	0.54	2.11	25	
Bromomethane	0.75	0.26	0.64	0	117	44.3	160	0.88	15.6	25	
Carbon disulfide	0.72	0.32	0.64	0	111	68	152	0.68	5.06	25	
Carbon tetrachloride	0.70	0.064	0.64	0	108	65	135	0.63	10.4	25	
Chlorobenzene	0.61	0.064	0.64	0	94.2	81.6	117	0.58	3.57	25	
Chloroethane	0.84	0.32	0.64	0	131	65.1	155	0.78	7.13	25	
Chloroform	0.70	0.064	0.64	0	109	70	125	0.66	5.56	25	
Chloromethane	0.68	0.13	0.64	0	107	50	130	0.67	2.09	25	
cis-1,2-Dichloroethene	0.69	0.064	0.64	0	107	65	125	0.65	5.64	25	
cis-1,3-Dichloropropene	0.61	0.064	0.64	0	95.4	71	125	0.61	1.16	25	
Dibromochloromethane	0.61	0.064	0.64	0	95.0	68.4	119	0.57	6.07	25	
Dibromomethane	0.61	0.13	0.64	0	95.5	75	127	0.61	0.420	25	
Dichlorodifluoromethane	0.69	0.064	0.64	0	107	35	135	0.61	12.2	25	
Dichloromethane	0.76	0.13	0.64	0	118	62.4	140	0.71	6.41	25	
Diethyl ether	0.68	0.064	0.64	0	106	65.6	133	0.66	3.64	25	
Ethyl methacrylate	0.65	0.13	0.64	0	101	67.3	133	0.62	3.64	25	
Ethylbenzene	0.65	0.064	0.64	0	101	80.2	125	0.62	5.58	25	
Ethylene dibromide	0.62	0.064	0.64	0	96.1	71.8	125	0.61	0.626	25	
Hexachlorobutadiene	0.60	0.064	0.64	0	93.8	73.8	140	0.51	17.0	25	
Hexachloroethane	0.51	0.064	0.64	0	80.0	66.1	117	0.49	4.87	25	
Isopropyl ether	0.74	0.064	0.64	0	116	67.9	139	0.71	4.24	25	
Isopropylbenzene	0.74	0.064	0.64	0	116	89.8	130	0.70	5.97	25	
m,p-Xylene	1.3	0.13	1.3	0	101	80.6	125	1.2	3.54	25	
Methyl ethyl ketone	0.81	0.32	0.64	183.1	97.9	65.4	142	0.75	7.55	25	
Methyl Iodide	0.81	0.13	0.64	0	126	10	171	0.79	3.38	25	
Methyl isobutyl ketone	0.61	0.32	0.64	0	95.2	55.6	145	0.68	9.98	25	m
Methyl tert-butyl ether	1.4	0.13	1.3	0	110	63.2	136	1.4	4.73	25	
Naphthalene	0.61	0.32	0.64	0	95.2	75.7	125	0.59	4.07	25	
n-Butylbenzene	0.60	0.064	0.64	0	93.4	73.1	139	0.57	5.73	25	

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	E	Value above quantitation range	H	Holding times for preparation or analys
J	Analyte detected below quantitation limits	M	Manual Integration used to determine area response	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit	S	Spike Recovery outside accepted recov

CLIENT: PSC Environmental Services
Work Order: 0912101
Project: Chemfuel

QC SUMMARY REPORT

TestCode: SW_8260S

Sample ID: **0912126-001AMSD** SampType: **MSD** TestCode: **SW_8260S** Units: **mg/Kg-dry** Prep Date: RunNo: **31253**
Client ID: **ZZZZZZ** Batch ID: **R31253** TestNo: **SW8260B** Analysis Date: **12/8/2009** SeqNo: **556395**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
n-Propylbenzene	0.64	0.064	0.64	0	100	80.8	130	0.61	5.32	25	
o-Xylene	0.60	0.064	0.64	0	93.6	78	122	0.57	5.15	25	
p-Isopropyltoluene	0.63	0.064	0.64	0	97.4	81.1	126	0.59	6.57	25	
sec-Butylbenzene	0.62	0.064	0.64	0	96.6	77.9	130	0.58	7.63	25	
Styrene	0.66	0.064	0.64	0	103	81.5	125	0.61	7.58	25	
t-Butyl alcohol	3.9	3.2	3.2	0	120	70	130	3.9	0.133	25	
tert-Amyl Methyl Ether	0.70	0.13	0.64	0	109	70.3	130	0.65	7.04	25	
tert-Butyl Ethyl Ether	0.71	0.13	0.64	0	111	65.6	136	0.68	4.62	25	
tert-Butylbenzene	0.60	0.064	0.64	0	93.7	80.1	125	0.56	7.07	25	
Tetrachloroethene	0.65	0.064	0.64	0	101	65	140	0.62	4.78	25	
Toluene	0.68	0.064	0.64	0	106	76.3	125	0.65	4.63	25	
trans-1,2-Dichloroethene	0.73	0.064	0.64	0	113	65	135	0.70	3.79	25	
trans-1,3-Dichloropropene	0.63	0.064	0.64	0	97.9	67.1	125	0.58	8.74	25	
trans-1,4-Dichloro-2-butene	0.61	0.13	0.64	0	95.2	68.8	128	0.58	5.50	25	
Trichloroethene	0.64	0.064	0.64	0	100	75	125	0.61	5.34	25	
Trichlorofluoromethane	0.73	0.064	0.64	0	113	34.3	163	0.69	5.64	25	
Vinyl chloride	0.73	0.051	0.64	0	113	60	125	0.70	3.69	25	
Xylenes, Total	1.9	0.19	1.9	0	98.2	80	124	1.8	4.05	25	
Surr: 4-Bromofluorobenzene	3,300		3,213		102	90.5	116		0	25	
Surr: Dibromofluoromethane	3,600		3,213		111	85	115		0	25	
Surr: Toluene-d8	3,300		3,213		102	87.2	110		0	25	

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	E	Value above quantitation range	H	Holding times for preparation or analys
J	Analyte detected below quantitation limits	M	Manual Integration used to determine area response	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit	S	Spike Recovery outside accepted recov

CLIENT: PSC Environmental Services
Work Order: 0912101
Project: Chemfuel

QC SUMMARY REPORT

TestCode: SW_8315S

Sample ID: **LCS-16633**	SampType: **lcs**	TestCode: **sw_8315s**	Units: **mg/Kg**	Prep Date: **12/8/2009**	RunNo: **31325**
Client ID: **LCSW**	Batch ID: **16633**	TestNo: **SW8315A**		Analysis Date: **12/11/2009**	SeqNo: **557727**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Formaldehyde	0.89	0.020	1.0	0	89.1	85	115				

Sample ID: **LCSD-16633**	SampType: **lcsd**	TestCode: **sw_8315s**	Units: **mg/Kg**	Prep Date: **12/8/2009**	RunNo: **31325**
Client ID: **LCSS02**	Batch ID: **16633**	TestNo: **SW8315A**		Analysis Date: **12/11/2009**	SeqNo: **557728**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Formaldehyde	0.88	0.020	1.0	0	88.3	85	115	0.89	0.954	25	

Sample ID: **MB-16633**	SampType: **mblk**	TestCode: **sw_8315s**	Units: **mg/Kg**	Prep Date: **12/8/2009**	RunNo: **31325**
Client ID: **PBW**	Batch ID: **16633**	TestNo: **SW8315A**		Analysis Date: **12/11/2009**	SeqNo: **557729**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Formaldehyde	ND	0.020									

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	E	Value above quantitation range	H	Holding times for preparation or analys
J	Analyte detected below quantitation limits	M	Manual Integration used to determine area response	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit	S	Spike Recovery outside accepted recov

Appendix II

Vapor Pressure Testing

HARRIS TESTING LABORATORIES, INC.

CERTIFICATE OF ANALYSIS

CLIENT
Petrochem Processing Group
501 Lycaste
Detroit, Michigan 48214

PRODUCT: Oil
MARKS: March 08
DATE RECEIVED: 4/07/2008
LAB NO: HH0804-0701
SUBMITTED BY: Petrochem Processing Group

				SPECIFICATIONS	
METHOD	**TEST**	**Water Chemfuel**	**Chemfuel**	**MIN.**	**MAX.**
D-2879	Vapor Pressure, mm Hg @ 25°C	29	35	XXX	XXX

Comments:

Date issued:
4/18/2008

Chemist

2502 GARROW ST. • HOUSTON, TX 77003 • TEL: (713) 237-9039 • FAX: (713) 237-9042
http://www.harristestinglabs.com • E-mail: info@harristestinglabs.com

HARRIS TESTING LABORATORIES, INC.

CERTIFICATE OF ANALYSIS

CLIENT
Petrochem Processing Group
501 Lycaste
Detroit, Michigan 48214

PRODUCT: Oil
DATE RECEIVED: 4/07/2008
LAB NO: HH0805-1201
SUBMITTED BY: Petrochem Processing Group

			Water	SPECIFICATIONS	
METHOD	**TEST**	**Chemfuel**	**Chemfuel**	**MIN.**	**MAX.**
D-2879	Vapor Pressure, mm Hg @ 25°C	65*	32*	XXX	XXX

Comments:
***Only the liquid level was put into the isoteniscope no solid level. The sample was not shaken.**

Date issued:
5/20/2008

Chemist

2502 GARROW ST. • HOUSTON, TX 77003 • TEL: (713) 237-9039 • FAX: (713) 237-9042
http://www.harristestinglabs.com • E-mail: info@harristestinglabs.com

HARRIS TESTING LABORATORIES, INC.

CERTIFICATE OF ANALYSIS

CLIENT
Petrochem Processing Group
501 Lycaste
Detroit, Michigan 48214

PRODUCT: Chemfuel
DATE RECEIVED: 6/11/2008
LAB NO: HH0806-1103
SUBMITTED BY: Petrochem Processing Group

		May	May
METHOD	**TEST**	**Chemfuel**	**Chemfuel Water**
D-2879	Vapor Pressure, mm Hg @ 25°C	50	34

Comments:
***Only the liquid level was put into the isoteniscope solids were avoided as much as possible. The sample was not shaken.**

Date issued:
6/24/2008

Chemist

2502 GARROW ST. • HOUSTON, TX 77003 • TEL: (713) 237-9039 • FAX: (713) 237-9042
http://www.harristestinglabs.com • E-mail: info@harristestinglabs.com

HARRIS TESTING LABORATORIES, INC.

CERTIFICATE OF ANALYSIS

CLIENT
Petrochem Processing Group
501 Lycaste
Detroit, Michigan 48214

PRODUCT: Chemfuel
DATE RECEIVED: 7/10/2008
LAB NO: HH0807-1002
SUBMITTED BY: Petrochem Processing Group

		June	June
METHOD	**TEST**	**Chemfuel**	**Chemfuel Water**
D-2879	Vapor Pressure, mm Hg @ 25°C	48	32

Comments:
***Only the liquid level was put into the isoteniscope solids were avoided as much as possible. The sample was not shaken.**

Date issued:
7/22/2008

Chemist

2502 GARROW ST. • HOUSTON, TX 77003 • TEL: (713) 237-9039 • FAX: (713) 237-9042
http://www.harristestinglabs.com • E-mail: info@harristestinglabs.com

Appendix III

Equipment List

Appendix 3 - List of Equipment Subject to Subpart BB

Equip. Type	Equip. Number	Equip.Location	Drawing Number	State of Waste	Percent Organic Content	Method of Compliance
PUMP	P-017	TS1 TRANSFER PAD	PCPI-315	L	>10%	(W) INSPECTION (M) MONITORING
PUMP	P-018	TS1 TRANSFER PAD	PCPI-315	L	>10%	(W) INSPECTION (M) MONITORING
PUMP	P-019	TS1 TRANSFER PAD	PCPI-316	L	>10%	(W) INSPECTION (M) MONITORING
PUMP	P-020	TS1 TRANSFER PAD	PCPI-316	L	>10%	(W) INSPECTION (M) MONITORING
FIRE VALVE	FV-035	TANK 22	PCPI-314B	L	>10%	(M/Q) MONITORING
FIRE VALVE	FV-036	TANK 23	PCPI-314B	L	>10%	(M/Q) MONITORING
FIRE VALVE	FV-049	TANK 29	PCPI-314C	L	>10%	(M/Q) MONITORING
FIRE VALVE	FV-050	TANK 30	PCPI-314C	L	>10%	(M/Q) MONITORING
FIRE VALVE	FV-051	TANK 16	PCPI-314A	L	>10%	(M/Q) MONITORING
FIRE VALVE	FV-052	TANK 16	PCPI-314A	L	>10%	(M/Q) MONITORING
FIRE VALVE	FV-053	TANK 17	PCPI-314A	L	>10%	(M/Q) MONITORING
FIRE VALVE	FV-054	TANK 17	PCPI-314A	L	>10%	(M/Q) MONITORING
FIRE VALVE	FV-055	TANK 18	PCPI-314A	L	>10%	(M/Q) MONITORING
FIRE VALVE	FV-056	TANK 18	PCPI-314A	L	>10%	(M/Q) MONITORING
FIRE VALVE	FV-057	TANK 19	PCPI-314A	L	>10%	(M/Q) MONITORING
FIRE VALVE	FV-058	TANK 19	PCPI-314A	L	>10%	(M/Q) MONITORING
FIRE VALVE	FV-059	TANK 20	PCPI-314A	L	>10%	(M/Q) MONITORING
FIRE VALVE	FV-060	TANK 20	PCPI-314A	L	>10%	(M/Q) MONITORING
FIRE VALVE	FV-061	TANK 20	PCPI-314A	L	>10%	(M/Q) MONITORING
FIRE VALVE	FV-062	TANK 21	PCPI-314B	L	>10%	(M/Q) MONITORING
FIRE VALVE	FV-063	TANK 21	PCPI-314B	L	>10%	(M/Q) MONITORING
FIRE VALVE	FV-064	TANK 22	PCPI-314B	L	>10%	(M/Q) MONITORING
FIRE VALVE	FV-065	TANK 22	PCPI-314B	L	>10%	(M/Q) MONITORING
FIRE VALVE	FV-066	TANK 23	PCPI-314B	L	>10%	(M/Q) MONITORING
FIRE VALVE	FV-067	TANK 23	PCPI-314B	L	>10%	(M/Q) MONITORING
FIRE VALVE	FV-068	TANK 24	PCPI-314B	L	>10%	(M/Q) MONITORING
FIRE VALVE	FV-069	TANK 24	PCPI-314B	L	>10%	(M/Q) MONITORING
FIRE VALVE	FV-070	TANK 25	PCPI-314B	L	>10%	(M/Q) MONITORING
FIRE VALVE	FV-071	TANK 25	PCPI-314B	L	>10%	(M/Q) MONITORING
FIRE VALVE	FV-072	TANK 25	PCPI-314B	L	>10%	(M/Q) MONITORING
FIRE VALVE	FV-073	TANK 25	PCPI-314B	L	>10%	(M/Q) MONITORING
FIRE VALVE	FV-074	TANK 20	PCPI-314A	L	>10%	(M/Q) MONITORING
FIRE VALVE	FV-075	TANK 26	PCPI-314C	L	>10%	(M/Q) MONITORING
FIRE VALVE	FV-076	TANK 26	PCPI-314C	L	>10%	(M/Q) MONITORING
FIRE VALVE	FV-077	TANK 27	PCPI-314C	L	>10%	(M/Q) MONITORING
FIRE VALVE	FV-078	TANK 27	PCPI-314C	L	>10%	(M/Q) MONITORING
FIRE VALVE	FV-079	TANK 28	PCPI-314C	L	>10%	(M/Q) MONITORING
FIRE VALVE	FV-080	TANK 28	PCPI-314C	L	>10%	(M/Q) MONITORING
FIRE VALVE	FV-081	TANK 29	PCPI-314C	L	>10%	(M/Q) MONITORING
FIRE VALVE	FV-082	TANK 29	PCPI-314C	L	>10%	(M/Q) MONITORING
FIRE VALVE	FV-083	TANK 30	PCPI-314C	L	>10%	(M/Q) MONITORING
FIRE VALVE	FV-084	TANK 30	PCPI-314C	L	>10%	(M/Q) MONITORING
FIRE VALVE	FV-092	TANK S14	PCPI-300	L	>10%	(M/Q) MONITORING
FIRE VALVE	FV-100	ON TANK 37	PCPI-389A	L	>10%	(M/Q) MONITORING
FIRE VALVE	FV-101	ON TANK 37	PCPI-389A	L	>10%	(M/Q) MONITORING
FIRE VALVE	FV-102	ON TANK 37	PCPI-389A	L	>10%	(M/Q) MONITORING
FIRE VALVE	FV-103	ON TANK 36	PCPI-389A	L	>10%	(M/Q) MONITORING

Equip. Type	Equip. Number	Equip.Location	Drawing Number	State of Waste	Percent Organic Content	Method of Compliance
FIRE VALVE	FV-104	ON TANK 36	PCPI-389A	L	>10%	(M/Q) MONITORING
FIRE VALVE	FV-105	ON TANK 36	PCPI-389A	L	>10%	(M/Q) MONITORING
FIRE VALVE	FV-106	ON TANK 35	PCPI-389A	L	>10%	(M/Q) MONITORING
FIRE VALVE	FV-107	ON TANK 35	PCPI-389A	L	>10%	(M/Q) MONITORING
FIRE VALVE	FV-108	ON TANK 35	PCPI-389A	L	>10%	(M/Q) MONITORING
FIRE VALVE	FV-109	ON TANK 38	PCPI-389A	L	>10%	(M/Q) MONITORING
FIRE VALVE	FV-110	ON TANK 38	PCPI-389A	L	>10%	(M/Q) MONITORING
FIRE VALVE	FV-111	ON TANK 38	PCPI-389A	L	>10%	(M/Q) MONITORING
FIRE VALVE	FV-112	ON TANK 39	PCPI-389A	L	>10%	(M/Q) MONITORING
FIRE VALVE	FV-113	ON TANK 39	PCPI-389A	L	>10%	(M/Q) MONITORING
FIRE VALVE	FV-114	ON TANK 39	PCPI-389A	L	>10%	(M/Q) MONITORING
FIRE VALVE	FV-115	ON TANK 40	PCPI-389A	L	>10%	(M/Q) MONITORING
FIRE VALVE	FV-116	ON TANK 40	PCPI-389A	L	>10%	(M/Q) MONITORING
FIRE VALVE	FV-117	ON TANK 40	PCPI-389A	L	>10%	(M/Q) MONITORING
GATE VALVE	GV-065	MOYNO	PCPI-328	L	>10%	(M/Q) MONITORING
GATE VALVE	GV-066	MOYNO	PCPI-328	L	>10%	(M/Q) MONITORING
GATE VALVE	GV-144	MOYNO	PCPI-328	L	>10%	(M/Q) MONITORING
GATE VALVE	GV-145	MOYNO	PCPI-328	L	>10%	(M/Q) MONITORING
BALL VALVE	BV-292	TANK 16	PCPI-314A	L	>10%	(M/Q) MONITORING
BALL VALVE	BV-293	TANK 16	PCPI-314A	L	>10%	(M/Q) MONITORING
BALL VALVE	BV-294	TANK 17	PCPI-314A	L	>10%	(M/Q) MONITORING
BALL VALVE	BV-295	TANK 17	PCPI-314A	L	>10%	(M/Q) MONITORING
BALL VALVE	BV-296	TANK 18	PCPI-314A	L	>10%	(M/Q) MONITORING
BALL VALVE	BV-297	TANK 18	PCPI-314A	L	>10%	(M/Q) MONITORING
BALL VALVE	BV-298	TANK 19	PCPI-314A	L	>10%	(M/Q) MONITORING
BALL VALVE	BV-299	TANK 19	PCPI-314A	L	>10%	(M/Q) MONITORING
BALL VALVE	BV-300	TANK 20	PCPI-314A	L	>10%	(M/Q) MONITORING
BALL VALVE	BV-301	TANK 20	PCPI-314A	L	>10%	(M/Q) MONITORING
BALL VALVE	BV-302	TANK 20 PIPELINE	PCPI-314A	L	>10%	(M/Q) MONITORING
BALL VALVE	BV-303	TANK 20 PIPELINE	PCPI-314A	L	>10%	(M/Q) MONITORING
BALL VALVE	BV-304	TANK 20 PIPELINE	PCPI-314A	L	>10%	(M/Q) MONITORING
BALL VALVE	BV-305	TANK 21	PCPI-314B	L	>10%	(M/Q) MONITORING
BALL VALVE	BV-306	TANK 21	PCPI-314B	L	>10%	(M/Q) MONITORING
BALL VALVE	BV-307	TANK 22	PCPI-314B	L	>10%	(M/Q) MONITORING
BALL VALVE	BV-308	TANK 22	PCPI-314B	L	>10%	(M/Q) MONITORING
BALL VALVE	BV-309	TANK 23	PCPI-314B	L	>10%	(M/Q) MONITORING
BALL VALVE	BV-310	TANK 23	PCPI-314B	L	>10%	(M/Q) MONITORING
BALL VALVE	BV-311	TANK 24	PCPI-314B	L	>10%	(M/Q) MONITORING
BALL VALVE	BV-312	TANK 24	PCPI-314B	L	>10%	(M/Q) MONITORING
BALL VALVE	BV-313	TANK 25	PCPI-314B	L	>10%	(M/Q) MONITORING
BALL VALVE	BV-314	TANK 25	PCPI-314B	L	>10%	(M/Q) MONITORING
BALL VALVE	BV-315	TANK 25 PIPELINE	PCPI-314B	L	>10%	(M/Q) MONITORING
BALL VALVE	BV-316	TANK 25 PIPELINE	PCPI-314B	L	>10%	(M/Q) MONITORING
BALL VALVE	BV-317	TANK 25 PIPELINE	PCPI-314B	L	>10%	(M/Q) MONITORING
BALL VALVE	BV-318	TANK 26	PCPI-314C	L	>10%	(M/Q) MONITORING
BALL VALVE	BV-319	TANK 26	PCPI-314C	L	>10%	(M/Q) MONITORING
BALL VALVE	BV-320	TANK 27	PCPI-314C	L	>10%	(M/Q) MONITORING
BALL VALVE	BV-321	TANK 27	PCPI-314C	L	>10%	(M/Q) MONITORING
BALL VALVE	BV-322	TANK 28	PCPI-314C	L	>10%	(M/Q) MONITORING
BALL VALVE	BV-323	TANK 28	PCPI-314C	L	>10%	(M/Q) MONITORING
BALL VALVE	BV-324	TANK 29	PCPI-314C	L	>10%	(M/Q) MONITORING
BALL VALVE	BV-325	TANK 29	PCPI-314C	L	>10%	(M/Q) MONITORING
BALL VALVE	BV-326	TANK 30	PCPI-314C	L	>10%	(M/Q) MONITORING
BALL VALVE	BV-327	TANK 30	PCPI-314C	L	>10%	(M/Q) MONITORING

Equip. Type	Equip. Number	Equip.Location	Drawing Number	State of Waste	Percent Organic Content	Method of Compliance
BALL VALVE	BV-328	TANK 16 HEADER SYST.	PCPI-314A	L	>10%	(M/Q) MONITORING
BALL VALVE	BV-329	TANK 16 HEADER SYST.	PCPI-314A	L	>10%	(M/Q) MONITORING
BALL VALVE	BV-330	TANK 17 HEADER SYST.	PCPI-314A	L	>10%	(M/Q) MONITORING
BALL VALVE	BV-331	TANK 17 HEADER SYST.	PCPI-314A	L	>10%	(M/Q) MONITORING
BALL VALVE	BV-332	TANK 18 HEADER SYST.	PCPI-314A	L	>10%	(M/Q) MONITORING
BALL VALVE	BV-333	TANK 18 HEADER SYST.	PCPI-314A	L	>10%	(M/Q) MONITORING
BALL VALVE	BV-334	TANK 19 HEADER SYST.	PCPI-314A	L	>10%	(M/Q) MONITORING
BALL VALVE	BV-335	TANK 19 HEADER SYST.	PCPI-314A	L	>10%	(M/Q) MONITORING
BALL VALVE	BV-336	TANK 20 HEADER SYST.	PCPI-314A	L	>10%	(M/Q) MONITORING
BALL VALVE	BV-337	TANK 20 HEADER SYST.	PCPI-314A	L	>10%	(M/Q) MONITORING
BALL VALVE	BV-338	TANK 21 HEADER SYST.	PCPI-314B	L	>10%	(M/Q) MONITORING
BALL VALVE	BV-339	TANK 21 HEADER SYST.	PCPI-314B	L	>10%	(M/Q) MONITORING
BALL VALVE	BV-340	TANK 22 HEADER SYST.	PCPI-314B	L	>10%	(M/Q) MONITORING
BALL VALVE	BV-341	TANK 22 HEADER SYST.	PCPI-314B	L	>10%	(M/Q) MONITORING
BALL VALVE	BV-342	TANK 23 HEADER SYST.	PCPI-314B	L	>10%	(M/Q) MONITORING
BALL VALVE	BV-343	TANK 23	PCPI-314B	L	>10%	(M/Q) MONITORING
BALL VALVE	BV-344	TANK 24	PCPI-314B	L	>10%	(M/Q) MONITORING
BALL VALVE	BV-345	TANK 24	PCPI-314B	L	>10%	(M/Q) MONITORING
BALL VALVE	BV-346	TANK 25	PCPI-314B	L	>10%	(M/Q) MONITORING
BALL VALVE	BV-347	TANK 25	PCPI-314B	L	>10%	(M/Q) MONITORING
BALL VALVE	BV-348	TANK 26	PCPI-314C	L	>10%	(M/Q) MONITORING
BALL VALVE	BV-349	TANK 26	PCPI-314C	L	>10%	(M/Q) MONITORING
BALL VALVE	BV-350	TANK 27	PCPI-314C	L	>10%	(M/Q) MONITORING
BALL VALVE	BV-351	TANK 27	PCPI-314C	L	>10%	(M/Q) MONITORING
BALL VALVE	BV-352	HEADER	PCPI-315	L	>10%	(M/Q) MONITORING
BALL VALVE	BV-353	HEADER	PCPI-315	L	>10%	(M/Q) MONITORING
BALL VALVE	BV-354	TRANSFER LINE	PCPI-315	L	>10%	(M/Q) MONITORING
BALL VALVE	BV-355	FILTER	PCPI-315	L	>10%	(M/Q) MONITORING
BALL VALVE	BF-356	FILTER	PCPI-315	L	>10%	(M/Q) MONITORING
BALL VALVE	BV-357	FILTER	PCPI-315	L	>10%	(M/Q) MONITORING
BALL VALVE	BV-358	HEADER	PCPI-315	L	>10%	(M/Q) MONITORING
BALL VALVE	BV-359	MOYNO	PCPI-315	L	>10%	(M/Q) MONITORING
BALL VALVE	BV-360	MOYNO	PCPI-315	L	>10%	(M/Q) MONITORING
BALL VALVE	BV-361	PUMP 17	PCPI-315	L	>10%	(M/Q) MONITORING
BALL VALVE	BV-362	PUMP 17	PCPI-315	L	>10%	(M/Q) MONITORING
BALL VALVE	BV-363	PUMP 17	PCPI-315	L	>10%	(M/Q) MONITORING
BALL VALVE	BV-364	MOYNO	PCPI-315	L	>10%	(M/Q) MONITORING
BALL VALVE	BV-365	HEADER	PCPI-315	L	>10%	(M/Q) MONITORING
BALL VALVE	BV-366	HEADER	PCPI-316	L	>10%	(M/Q) MONITORING
BALL VALVE	BV-367	HEADER	PCPI-316	L	>10%	(M/Q) MONITORING
BALL VALVE	BV-368	MOYNO	PCPI-316	L	>10%	(M/Q) MONITORING
BALL VALVE	BV-369	MOYNO	PCPI-316	L	>10%	(M/Q) MONITORING
BALL VALVE	BV-370	MOYNO	PCPI-316	L	>10%	(M/Q) MONITORING
BALL VALVE	BV-371	HEADER	PCPI-316	L	>10%	(M/Q) MONITORING
BALL VALVE	BV-372	TRANSFER LINE	PCPI-316	L	>10%	(M/Q) MONITORING
BALL VALVE	BV-373	TRANSFER LINE	PCPI-316	L	>10%	(M/Q) MONITORING
BALL VALVE	BV-374	DUPLEX STRAINER	PCPI-316	L	>10%	(M/Q) MONITORING
BALL VALVE	BV-375	DUPLEX STRAINER	PCPI-316	L	>10%	(M/Q) MONITORING
BALL VALVE	BV-376	HEADER	PCPI-316	L	>10%	(M/Q) MONITORING
BALL VALVE	BV-377	HEADER	PCPI-316	L	>10%	(M/Q) MONITORING
BALL VALVE	BV-378	HEADER	PCPI-316	L	>10%	(M/Q) MONITORING
BALL VALVE	BV-379	HEADER	PCPI-316	L	>10%	(M/Q) MONITORING
BALL VALVE	BV-380	DUPLEX STRAINER	PCPI-316	L	>10%	(M/Q) MONITORING
BALL VALVE	BV-381	PUMP 20	PCPI-316	L	>10%	(M/Q) MONITORING

Equip. Type	Equip. Number	Equip.Location	Drawing Number	State of Waste	Percent Organic Content	Method of Compliance
BALL VALVE	BV-382	HEADER	PCPI-316	L	>10%	(M/Q) MONITORING
BALL VALVE	BV-383	HEADER	PCPI-317	L	>10%	(M/Q) MONITORING
BALL VALVE	BV-384	FILTER	PCPI-317	L	>10%	(M/Q) MONITORING
BALL VALVE	BV-385	EXTRA	PCPI-317	L	>10%	(M/Q) MONITORING
BALL VALVE	BV-386	EXTRA	PCPI-317	L	>10%	(M/Q) MONITORING
BALL VALVE	BV-387	HEADER	PCPI-317	L	>10%	(M/Q) MONITORING
BALL VALVE	BV-388	TRANSFER LINE	PCPI-317	L	>10%	(M/Q) MONITORING
BALL VALVE	BV-389	MOYNO	PCPI-317	L	>10%	(M/Q) MONITORING
BALL VALVE	BV-390	MOYNO	PCPI-317	L	>10%	(M/Q) MONITORING
BALL VALVE	BV-391	MOYNO	PCPI-317	L	>10%	(M/Q) MONITORING
BALL VALVE	BV-392	PUMP 21	PCPI-317	L	>10%	(M/Q) MONITORING
BALL VALVE	BV-393	TRANSFER LINE	PCPI-317	L	>10%	(M/Q) MONITORING
BALL VALVE	BV-394	TRANSFER LINE	PCPI-317	L	>10%	(M/Q) MONITORING
BALL VALVE	BV-395	MOYNO	PCPI-317	L	>10%	(M/Q) MONITORING
BALL VALVE	BV-396	HEADER`	PCPI-317	L	>10%	(M/Q) MONITORING
BALL VALVE	BV-270	TANK S-69	PCPI-324	L	>10%	(M/Q) MONITORING
BALL VALVE	BV-271	TANK S-69	PCPI-324	L	>10%	(M/Q) MONITORING
BALL VALVE	BV-272	TANK S-69	PCPI-325	L	>10%	(M/Q) MONITORING
BALL VALVE	BV-273	TANK S-70	PCPI-324	L	>10%	(M/Q) MONITORING
BALL VALVE	BV-274	TANK S-70	PCPI-324	L	>10%	(M/Q) MONITORING
BALL VALVE	BV-275	TANK S-70	PCPI-325	L	>10%	(M/Q) MONITORING
BALL VALVE	BV-276	TANK S-71	PCPI-325	L	>10%	(M/Q) MONITORING
BALL VALVE	BV-277	TANK S-71	PCPI-325	L	>10%	(M/Q) MONITORING
BALL VALVE	BV-278	TANK S-71	PCPI-325	L	>10%	(M/Q) MONITORING
BALL VALVE	BV-279	TANK S-72	PCPI-325	L	>10%	(M/Q) MONITORING
BALL VALVE	BV-280	TANK S-72	PCPI-325	L	>10%	(M/Q) MONITORING
BALL VALVE	BV-281	TANK S-72	PCPI-325	L	>10%	(M/Q) MONITORING
BALL VALVE	BV-700	ON TANK 37	PCPI-589A	L	>10%	(M/Q) MONITORING
BALL VALVE	BV-701	ON TANK 37	PCPI-589A	L	>10%	(M/Q) MONITORING
BALL VALVE	BV-702	ON TANK 37	PCPI-589A	L	>10%	(M/Q) MONITORING
BALL VALVE	BV-703	ON TANK 37	PCPI-589A	L	>10%	(M/Q) MONITORING
BALL VALVE	BV-704	ON TANK 37	PCPI-589A	L	>10%	(M/Q) MONITORING
BALL VALVE	BV-705	ON TANK 36	PCPI-589A	L	>10%	(M/Q) MONITORING
BALL VALVE	BV-706	ON TANK 36	PCPI-589A	L	>10%	(M/Q) MONITORING
BALL VALVE	BV-707	ON TANK 36	PCPI-589A	L	>10%	(M/Q) MONITORING
BALL VALVE	BV-708	ON TANK 36	PCPI-589A	L	>10%	(M/Q) MONITORING
BALL VALVE	BV-709	ON TANK 36	PCPI-589A	L	>10%	(M/Q) MONITORING
BALL VALVE	BV-710	ON TANK 35	PCPI-589A	L	>10%	(M/Q) MONITORING
BALL VALVE	BV-711	ON TANK 35	PCPI-589A	L	>10%	(M/Q) MONITORING
BALL VALVE	BV-712	ON TANK 35	PCPI-589A	L	>10%	(M/Q) MONITORING
BALL VALVE	BV-713	ON TANK 35	PCPI-589A	L	>10%	(M/Q) MONITORING
BALL VALVE	BV-714	ON TANK 35	PCPI-589A	L	>10%	(M/Q) MONITORING
BALL VALVE	BV-715	ON TANK 38	PCPI-589A	L	>10%	(M/Q) MONITORING
BALL VALVE	BV-716	ON TANK 38	PCPI-589A	L	>10%	(M/Q) MONITORING
BALL VALVE	BV-717	ON TANK 38	PCPI-589A	L	>10%	(M/Q) MONITORING
BALL VALVE	BV-718	ON TANK 38	PCPI-589A	L	>10%	(M/Q) MONITORING
BALL VALVE	BV-719	ON TANK 38	PCPI-589A	L	>10%	(M/Q) MONITORING
BALL VALVE	BV-720	ON TANK 39	PCPI-589A	L	>10%	(M/Q) MONITORING
BALL VALVE	BV-721	ON TANK 39	PCPI-589A	L	>10%	(M/Q) MONITORING
BALL VALVE	BV-722	ON TANK 39	PCPI-589A	L	>10%	(M/Q) MONITORING
BALL VALVE	BV-723	ON TANK 39	PCPI-589A	L	>10%	(M/Q) MONITORING
BALL VALVE	BV-724	ON TANK 39	PCPI-589A	L	>10%	(M/Q) MONITORING
BALL VALVE	BV-725	ON TANK 40	PCPI-589A	L	>10%	(M/Q) MONITORING
BALL VALVE	BV-726	ON TANK 40	PCPI-589A	L	>10%	(M/Q) MONITORING

Equip. Type	Equip. Number	Equip.Location	Drawing Number	State of Waste	Percent Organic Content	Method of Compliance
BALL VALVE	BV-727	ON TANK 40	PCPI-589A	L	>10%	(M/Q) MONITORING
BALL VALVE	BV-728	ON TANK 40	PCPI-589A	L	>10%	(M/Q) MONITORING
BALL VALVE	BV-729	ON TANK 40	PCPI-589A	L	>10%	(M/Q) MONITORING
BALL VALVE	BV-740	HEADER SYSTEM	PCPI-589B	L	>10%	(M/Q) MONITORING
BALL VALVE	BV-741	FILTER BASKET	PCPI-589B	L	>10%	(M/Q) MONITORING
BALL VALVE	BV-742	FILTER BASKET	PCPI-589B	L	>10%	(M/Q) MONITORING
BALL VALVE	BV-743	FILTER BASKET	PCPI-589B	L	>10%	(M/Q) MONITORING
BALL VALVE	BV-744	FILTER BASKET	PCPI-589B	L	>10%	(M/Q) MONITORING
BALL VALVE	BV-745	MOYNO	PCPI-589B	L	>10%	(M/Q) MONITORING
BALL VALVE	BV-746	TRANSFER LINE	PCPI-589B	L	>10%	(M/Q) MONITORING
BALL VALVE	BV-747	P-37	PCPI-589B	L	>10%	(M/Q) MONITORING
BALL VALVE	BV-748	TRANSFER LINE	PCPI-589B	L	>10%	(M/Q) MONITORING
BALL VALVE	BV-749	MOYNO	PCPI-589B	L	>10%	(M/Q) MONITORING
BALL VALVE	BV-750	HEADER SYSTEM	PCPI-589B	L	>10%	(M/Q) MONITORING
BALL VALVE	BV-751	HEADER SYSTEM	PCPI-589B	L	>10%	(M/Q) MONITORING
BALL VALVE	BV-752	FILTER BASKET	PCPI-589B	L	>10%	(M/Q) MONITORING
BALL VALVE	BV-753	FILTER BASKET	PCPI-589B	L	>10%	(M/Q) MONITORING
BALL VALVE	BV-754	FILTER BASKET	PCPI-589B	L	>10%	(M/Q) MONITORING
BALL VALVE	BV-755	FILTER BASKET	PCPI-589B	L	>10%	(M/Q) MONITORING
BALL VALVE	BV-756	MOYNO	PCPI-589B	L	>10%	(M/Q) MONITORING
BALL VALVE	BV-757	TRANSFER LINE	PCPI-589B	L	>10%	(M/Q) MONITORING
BALL VALVE	BV-758	MOYNO	PCPI-589B	L	>10%	(M/Q) MONITORING
BALL VALVE	BV-759	TRANSFER LINE	PCPI-589B	L	>10%	(M/Q) MONITORING
BALL VALVE	BV-760	P-38	PCPI-589B	L	>10%	(M/Q) MONITORING
BALL VALVE	BV-761	P-38	PCPI-589B	L	>10%	(M/Q) MONITORING
BALL VALVE	BV-762	TRANSFER LINE	PCPI-589B	L	>10%	(M/Q) MONITORING
BALL VALVE	BV-763	P-39	PCPI-589B	L	>10%	(M/Q) MONITORING
BALL VALVE	BV-764	MOYNO	PCPI-589B	L	>10%	(M/Q) MONITORING
BALL VALVE	BV-765	TRANSFER LINE	PCPI-589B	L	>10%	(M/Q) MONITORING
BALL VALVE	BV-766	MOYNO	PCPI-589B	L	>10%	(M/Q) MONITORING
BALL VALVE	BV-767	HEADER SYSTEM	PCPI-589B	L	>10%	(M/Q) MONITORING
BALL VALVE	BV-801	TO SUPER BLEND	PCPI-338	L	>10%	(M/Q) MONITORING
BALL VALVE	BV-802	FILTER BASKET	PCPI-338	L	>10%	(M/Q) MONITORING
BALL VALVE	BV-803	FILTER BASKET	PCPI-338	L	>10%	(M/Q) MONITORING
BALL VALVE	BV-804	FILTER BASKET	PCPI-338	L	>10%	(M/Q) MONITORING
BALL VALVE	BV-805	FILTER BASKET	PCPI-338	L	>10%	(M/Q) MONITORING
BALL VALVE	BV-806	HEADER SYSTEM	PCPI-338	L	>10%	(M/Q) MONITORING
BALL VALVE	BV-807	PUMP 43	PCPI-338	L	>10%	(M/Q) MONITORING
BALL VALVE	BV-808	PUMP 43	PCPI-338	L	>10%	(M/Q) MONITORING
BALL VALVE	BV-809	PUMP 43	PCPI-338	L	>10%	(M/Q) MONITORING
BALL VALVE	BV-810	PUMP 42	PCPI-338	L	>10%	(M/Q) MONITORING
BALL VALVE	BV-811	PUMP 42	PCPI-338	L	>10%	(M/Q) MONITORING
BALL VALVE	BV-812	HEADER SYSTEM	PCPI-338	L	>10%	(M/Q) MONITORING
BALL VALVE	BV-813	TRANSFER LINE	PCPI-338	L	>10%	(M/Q) MONITORING
BALL VALVE	BV-814	HEADER SYSTEM	PCPI-338	L	>10%	(M/Q) MONITORING
BALL VALVE	BV-815	FLOW METER	PCPI-338	L	>10%	(M/Q) MONITORING
BALL VALVE	BV-816	TRANSFER LINE	PCPI-338	L	>10%	(M/Q) MONITORING
BALL VALVE	BV-817	TO TANK 37	PCPI-338	L	>10%	(M/Q) MONITORING
BALL VALVE	BV-818	FLOW METER	PCPI-338	L	>10%	(M/Q) MONITORING
BALL VALVE	BV-819	INTO BLEND TANK	PCPI-338	L	>10%	(M/Q) MONITORING
BALL VALVE	BV-820	INTO BLEND TANK	PCPI-338	L	>10%	(M/Q) MONITORING
BALL VALVE	BV-821	HEADER SYSTEM	PCPI-338	L	>10%	(M/Q) MONITORING
BALL VALVE	BV-822	PUMP 41	PCPI-338	L	>10%	(M/Q) MONITORING
BALL VALVE	BV-823	FLOW METER	PCPI-338	L	>10%	(M/Q) MONITORING

Equip. Type	Equip. Number	Equip.Location	Drawing Number	State of Waste	Percent Organic Content	Method of Compliance
BALL VALVE	BV-824	FLOW METER	PCPI-338	L	>10%	(M/Q) MONITORING
BALL VALVE	BV-825	FLOW METER	PCPI-338	L	>10%	(M/Q) MONITORING
BALL VALVE	BV-826	TO TANK 37	PCPI-338	L	>10%	(M/Q) MONITORING
BALL VALVE	BV-827	TRANSFER LINE	PCPI-338	L	>10%	(M/Q) MONITORING
BALL VALVE	BV-828	TO BLEND TANK	PCPI-338	L	>10%	(M/Q) MONITORING
BALL VALVE	BV-829	TO BLEND TANK	PCPI-338	L	>10%	(M/Q) MONITORING
BALL VALVE	BV-830	NITROGEN LINE	PCPI-338	L	>10%	(M/Q) MONITORING
BALL VALVE	BV-831	MVRS LINE	PCPI-338	L	>10%	(M/Q) MONITORING
CHECK VALVE	CV-8	FILTER	PCPI-331	L	>10%	(M/Q) MONITORING
CHECK VALVE	CV-9	FILTER	PCPI-331	L	>10%	(M/Q) MONITORING
CHECK VALVE	CV-10	TRANSFER LINE	PCPI-330	L	>10%	(M/Q) MONITORING
CHECK VALVE	CV-11	TRANSFER LINE	PCPI-330	L	>10%	(M/Q) MONITORING
RELIEF VENT	PVV-25	TANK 16	PCPI-314	G	>10%	(W/Q) MONITORING
RELIEF VENT	PVV-26	TANK 17	PCPI-314	G	>10%	(W/Q) MONITORING
RELIEF VENT	PVV-27	TANK 18	PCPI-314	G	>10%	(W/Q) MONITORING
RELIEF VENT	PVV-28	TANK 19	PCPI-314	G	>10%	(W/Q) MONITORING
RELIEF VENT	PVV-29	TANK 20	PCPI-314	G	>10%	(W/Q) MONITORING
RELIEF VENT	PVV-30	TANK 21	PCPI-314	G	>10%	(W/Q) MONITORING
RELIEF VENT	PVV-31	TANK 22	PCPI-314	G	>10%	(W/Q) MONITORING
RELIEF VENT	PVV-32	TANK 23	PCPI-314	G	>10%	(W/Q) MONITORING
RELIEF VENT	PVV-33	TANK 24	PCPI-314	G	>10%	(W/Q) MONITORING
RELIEF VENT	PVV-34	TANK 25	PCPI-314	G	>10%	(W/Q) MONITORING
RELIEF VENT	PVV-35	TANK 26	PCPI-314	G	>10%	(W/Q) MONITORING
RELIEF VENT	PVV-36	TANK 27	PCPI-314	G	>10%	(W/Q) MONITORING
RELIEF VENT	PVV-37	TANK 28	PCPI-314	G	>10%	(W/Q) MONITORING
RELIEF VENT	PVV-38	TANK 29	PCPI-314	G	>10%	(W/Q) MONITORING
RELIEF VENT	PVV-39	TANK 30	PCPI-314	G	>10%	(W/Q) MONITORING
RELIEF VENT	PVV-47	TANK 35	PCPI-589A	G	>10%	(W/Q) MONITORING
RELIEF VENT	PVV-48	TANK 36	PCPI-589A	G	>10%	(W/Q) MONITORING
RELIEF VENT	PVV-49	TANK 37	PCPI-589A	G	>10%	(W/Q) MONITORING
RELIEF VENT	PVV-50	TANK 38	PCPI-589A	G	>10%	(W/Q) MONITORING
RELIEF VENT	PVV-51	TANK 39	PCPI-589A	G	>10%	(W/Q) MONITORING
RELIEF VENT	PVV-52	TANK 40	PCPI-589A	G	>10%	(W/Q) MONITORING
FLANGE	FL-530	TANK 16	PCPI-314A	L	>10%	(A) MONITORING
FLANGE	FL-531	TANK 16	PCPI-314A	L	>10%	(A) MONITORING
FLANGE	FL-532	TANK 16	PCPI-314A	L	>10%	(A) MONITORING
FLANGE	FL-533	TANK 16	PCPI-314A	L	>10%	(A) MONITORING
FLANGE	FL-534	TANK 16	PCPI-314A	L	>10%	(A) MONITORING
FLANGE	FL-535	TANK 16	PCPI-314A	L	>10%	(A) MONITORING
FLANGE	FL-536	TANK 16	PCPI-314A	L	>10%	(A) MONITORING
FLANGE	FL-537	TANK 16	PCPI-314A	L	>10%	(A) MONITORING
FLANGE	FL-538	TANK 16	PCPI-314A	L	>10%	(A) MONITORING
FLANGE	FL-539	TANK 16	PCPI-314A	L	>10%	(A) MONITORING
FLANGE	FL-540	TANK 16	PCPI-314A	L	>10%	(A) MONITORING
FLANGE	FL-541	TANK 16	PCPI-314A	L	>10%	(A) MONITORING
FLANGE	FL-542	TANK 16	PCPI-314A	L	>10%	(A) MONITORING
FLANGE	FL-543	TANK 16	PCPI-314A	L	>10%	(A) MONITORING
FLANGE	FL-545	TANK 16	PCPI-314A	L	>10%	(A) MONITORING
FLANGE	FL-546	TANK 16	PCPI-314A	L	>10%	(A) MONITORING
FLANGE	FL-547	TANK 16	PCPI-314A	L	>10%	(A) MONITORING
FLANGE	FL-548	TANK 16	PCPI-314A	L	>10%	(A) MONITORING
FLANGE	FL-549	TANK 16	PCPI-314A	L	>10%	(A) MONITORING
FLANGE	FL-550	TANK 16	PCPI-314A	L	>10%	(A) MONITORING
FLANGE	FL-551	TANK 16	PCPI-314A	L	>10%	(A) MONITORING
FLANGE	FL-552	TANK 16	PCPI-314A	L	>10%	(A) MONITORING

Equip. Type	Equip. Number	Equip.Location	Drawing Number	State of Waste	Percent Organic Content	Method of Compliance
FLANGE	FL-553	TANK 16	PCPI-314A	L	>10%	(A) MONITORING
FLANGE	FL-554	TANK 16	PCPI-314A	L	>10%	(A) MONITORING
FLANGE	FL-555	TANK 16	PCPI-314A	L	>10%	(A) MONITORING
FLANGE	FL-556	TANK 16	PCPI-314A	L	>10%	(A) MONITORING
FLANGE	FL-557	TANK 16	PCPI-314A	L	>10%	(A) MONITORING
FLANGE	FL-558	TANK 16	PCPI-314A	L	>10%	(A) MONITORING
FLANGE	FL-559	TANK 17	PCPI-314A	L	>10%	(A) MONITORING
FLANGE	FL-560	TANK 17	PCPI-314A	L	>10%	(A) MONITORING
FLANGE	FL-561	TANK 17	PCPI-314A	L	>10%	(A) MONITORING
FLANGE	FL-562	TANK 17	PCPI-314A	L	>10%	(A) MONITORING
FLANGE	FL-563	TANK 17	PCPI-314A	L	>10%	(A) MONITORING
FLANGE	FL-564	TANK 17	PCPI-314A	L	>10%	(A) MONITORING
FLANGE	FL-565	TANK 17	PCPI-314A	L	>10%	(A) MONITORING
FLANGE	FL-566	TANK 17	PCPI-314A	L	>10%	(A) MONITORING
FLANGE	FL-567	TANK 17	PCPI-314A	L	>10%	(A) MONITORING
FLANGE	FL-568	TANK 17	PCPI-314A	L	>10%	(A) MONITORING
FLANGE	FL-569	TANK 17	PCPI-314A	L	>10%	(A) MONITORING
FLANGE	FL-570	TANK 17	PCPI-314A	L	>10%	(A) MONITORING
FLANGE	FL-571	TANK 17	PCPI-314A	L	>10%	(A) MONITORING
FLANGE	FL-572	TANK 17	PCPI-314A	L	>10%	(A) MONITORING
FLANGE	FL-573	TANK 17	PCPI-314A	L	>10%	(A) MONITORING
FLANGE	FL-574	TANK 17	PCPI-314A	L	>10%	(A) MONITORING
FLANGE	FL-575	TANK 17	PCPI-314A	L	>10%	(A) MONITORING
FLANGE	FL-576	TANK 17	PCPI-314A	L	>10%	(A) MONITORING
FLANGE	FL-577	TANK 17	PCPI-314A	L	>10%	(A) MONITORING
FLANGE	FL-578	TANK 17	PCPI-314A	L	>10%	(A) MONITORING
FLANGE	FL-579	TANK 17	PCPI-314A	L	>10%	(A) MONITORING
FLANGE	FL-580	TANK 17	PCPI-314A	L	>10%	(A) MONITORING
FLANGE	FL-581	TANK 17	PCPI-314A	L	>10%	(A) MONITORING
FLANGE	FL-582	TANK 17	PCPI-314A	L	>10%	(A) MONITORING
FLANGE	FL-583	TANK 17	PCPI-314A	L	>10%	(A) MONITORING
FLANGE	FL-584	TANK 17	PCPI-314A	L	>10%	(A) MONITORING
FLANGE	FL-585	TANK 17	PCPI-314A	L	>10%	(A) MONITORING
FLANGE	FL-586	TANK 17	PCPI-314A	L	>10%	(A) MONITORING
FLANGE	FL-587	TANK 18	PCPI-314A	L	>10%	(A) MONITORING
FLANGE	FL-588	TANK 18	PCPI-314A	L	>10%	(A) MONITORING
FLANGE	FL-589	TANK 18	PCPI-314A	L	>10%	(A) MONITORING
FLANGE	FL-590	TANK 18	PCPI-314A	L	>10%	(A) MONITORING
FLANGE	FL-591	TANK 18	PCPI-314A	L	>10%	(A) MONITORING
FLANGE	FL-592	TANK 18	PCPI-314A	L	>10%	(A) MONITORING
FLANGE	FL-593	TANK 18	PCPI-314A	L	>10%	(A) MONITORING
FLANGE	FL-594	TANK 18	PCPI-314A	L	>10%	(A) MONITORING
FLANGE	FL-595	TANK 18	PCPI-314A	L	>10%	(A) MONITORING
FLANGE	FL-596	TANK 18	PCPI-314A	L	>10%	(A) MONITORING
FLANGE	FL-597	TANK 18	PCPI-314A	L	>10%	(A) MONITORING
FLANGE	FL-598	TANK 18	PCPI-314A	L	>10%	(A) MONITORING
FLANGE	FL-599	TANK 18	PCPI-314A	L	>10%	(A) MONITORING
FLANGE	FL-600	TANK 18	PCPI-314A	L	>10%	(A) MONITORING
FLANGE	FL-601	TANK 18	PCPI-314A	L	>10%	(A) MONITORING
FLANGE	FL-602	TANK 18	PCPI-314A	L	>10%	(A) MONITORING
FLANGE	FL-603	TANK 18	PCPI-314A	L	>10%	(A) MONITORING
FLANGE	FL-604	TANK 18	PCPI-314A	L	>10%	(A) MONITORING
FLANGE	FL-605	TANK 18	PCPI-314A	L	>10%	(A) MONITORING
FLANGE	FL-606	TANK 18	PCPI-314A	L	>10%	(A) MONITORING

Equip. Type	Equip. Number	Equip.Location	Drawing Number	State of Waste	Percent Organic Content	Method of Compliance
FLANGE	FL-607	TANK 18	PCPI-314A	L	>10%	(A) MONITORING
FLANGE	FL-608	TANK 18	PCPI-314A	L	>10%	(A) MONITORING
FLANGE	FL-609	TANK 18	PCPI-314A	L	>10%	(A) MONITORING
FLANGE	FL-610	TANK 18	PCPI-314A	L	>10%	(A) MONITORING
FLANGE	FL-611	TANK 18	PCPI-314A	L	>10%	(A) MONITORING
FLANGE	FL-612	TANK 18	PCPI-314A	L	>10%	(A) MONITORING
FLANGE	FL-613	TANK 18	PCPI-314A	L	>10%	(A) MONITORING
FLANGE	FL-614	TANK 18	PCPI-314A	L	>10%	(A) MONITORING
FLANGE	FL-615	TANK 18	PCPI-314A	L	>10%	(A) MONITORING
FLANGE	FL-616	TANK 18	PCPI-314A	L	>10%	(A) MONITORING
FLANGE	FL-617	TANK 18	PCPI-314A	L	>10%	(A) MONITORING
FLANGE	FL-618	TANK 18	PCPI-314A	L	>10%	(A) MONITORING
FLANGE	FL-619	TANK 18	PCPI-314A	L	>10%	(A) MONITORING
FLANGE	FL-620	TANK 18	PCPI-314A	L	>10%	(A) MONITORING
FLANGE	FL-621	TANK 18	PCPI-314A	L	>10%	(A) MONITORING
FLANGE	FL-622	TANK 18	PCPI-314A	L	>10%	(A) MONITORING
FLANGE	FL-623	TANK 18	PCPI-314A	L	>10%	(A) MONITORING
FLANGE	FL-624	TANK 18	PCPI-314A	L	>10%	(A) MONITORING
FLANGE	FL-625	TANK 19	PCPI-314A	L	>10%	(A) MONITORING
FLANGE	FL-626	TANK 19	PCPI-314A	L	>10%	(A) MONITORING
FLANGE	FL-627	TANK 19	PCPI-314A	L	>10%	(A) MONITORING
FLANGE	FL-628	TANK 19	PCPI-314A	L	>10%	(A) MONITORING
FLANGE	FL-629	TANK 19	PCPI-314A	L	>10%	(A) MONITORING
FLANGE	FL-630	TANK 19	PCPI-314A	L	>10%	(A) MONITORING
FLANGE	FL-631	TANK 19	PCPI-314A	L	>10%	(A) MONITORING
FLANGE	FL-632	TANK 19	PCPI-314A	L	>10%	(A) MONITORING
FLANGE	FL-633	TANK 19	PCPI-314A	L	>10%	(A) MONITORING
FLANGE	FL-634	TANK 19	PCPI-314A	L	>10%	(A) MONITORING
FLANGE	FL-635	TANK 19	PCPI-314A	L	>10%	(A) MONITORING
FLANGE	FL-636	TANK 19	PCPI-314A	L	>10%	(A) MONITORING
FLANGE	FL-637	TANK 19	PCPI-314A	L	>10%	(A) MONITORING
FLANGE	FL-638	TANK 19	PCPI-314A	L	>10%	(A) MONITORING
FLANGE	FL-639	TANK 19	PCPI-314A	L	>10%	(A) MONITORING
FLANGE	FL-640	TANK 19	PCPI-314A	L	>10%	(A) MONITORING
FLANGE	FL-641	TANK 19	PCPI-314A	L	>10%	(A) MONITORING
FLANGE	FL-642	TANK 19	PCPI-314A	L	>10%	(A) MONITORING
FLANGE	FL-643	TANK 19	PCPI-314A	L	>10%	(A) MONITORING
FLANGE	FL-644	TANK 19	PCPI-314A	L	>10%	(A) MONITORING
FLANGE	FL-645	TANK 19	PCPI-314A	L	>10%	(A) MONITORING
FLANGE	FL-646	TANK 19	PCPI-314A	L	>10%	(A) MONITORING
FLANGE	FL-647	TANK 19	PCPI-314A	L	>10%	(A) MONITORING
FLANGE	FL-648	TANK 19	PCPI-314A	L	>10%	(A) MONITORING
FLANGE	FL-649	TANK 19	PCPI-314A	L	>10%	(A) MONITORING
FLANGE	FL-650	TANK 19	PCPI-314A	L	>10%	(A) MONITORING
FLANGE	FL-651	TANK 19	PCPI-314A	L	>10%	(A) MONITORING
FLANGE	FL-652	TANK 19	PCPI-314A	L	>10%	(A) MONITORING
FLANGE	FL-653	TANK 19	PCPI-314A	L	>10%	(A) MONITORING
FLANGE	FL-654	TANK 19	PCPI-314A	L	>10%	(A) MONITORING
FLANGE	FL-655	TANK 19	PCPI-314A	L	>10%	(A) MONITORING
FLANGE	FL-656	TANK 19	PCPI-314A	L	>10%	(A) MONITORING
FLANGE	FL-657	TANK 19	PCPI-314A	L	>10%	(A) MONITORING
FLANGE	FL-658	TANK 19	PCPI-314A	L	>10%	(A) MONITORING
FLANGE	FL-659	TANK 19	PCPI-314A	L	>10%	(A) MONITORING
FLANGE	FL-660	TANK 19	PCPI-314A	L	>10%	(A) MONITORING

Equip. Type	Equip. Number	Equip.Location	Drawing Number	State of Waste	Percent Organic Content	Method of Compliance
FLANGE	FL-661	TANK 20	PCPI-314A	L	>10%	(A) MONITORING
FLANGE	FL-662	TANK 20	PCPI-314A	L	>10%	(A) MONITORING
FLANGE	FL-663	TANK 20	PCPI-314A	L	>10%	(A) MONITORING
FLANGE	FL-664	TANK 20	PCPI-314A	L	>10%	(A) MONITORING
FLANGE	FL-665	TANK 20	PCPI-314A	L	>10%	(A) MONITORING
FLANGE	FL-666	TANK 20	PCPI-314A	L	>10%	(A) MONITORING
FLANGE	FL-667	TANK 20	PCPI-314A	L	>10%	(A) MONITORING
FLANGE	FL-668	TANK 20	PCPI-314A	L	>10%	(A) MONITORING
FLANGE	FL-669	TANK 20	PCPI-314A	L	>10%	(A) MONITORING
FLANGE	FL-670	TANK 20	PCPI-314A	L	>10%	(A) MONITORING
FLANGE	FL-671	TANK 20	PCPI-314A	L	>10%	(A) MONITORING
FLANGE	FL-672	TANK 20	PCPI-314A	L	>10%	(A) MONITORING
FLANGE	FL-673	TANK 20	PCPI-314A	L	>10%	(A) MONITORING
FLANGE	FL-674	TANK 20	PCPI-314A	L	>10%	(A) MONITORING
FLANGE	FL-675	TANK 20	PCPI-314A	L	>10%	(A) MONITORING
FLANGE	FL-676	TANK 20	PCPI-314A	L	>10%	(A) MONITORING
FLANGE	FL-677	TANK 20	PCPI-314A	L	>10%	(A) MONITORING
FLANGE	FL-678	TANK 20	PCPI-314A	L	>10%	(A) MONITORING
FLANGE	FL-679	TANK 20	PCPI-314A	L	>10%	(A) MONITORING
FLANGE	FL-680	TANK 20	PCPI-314A	L	>10%	(A) MONITORING
FLANGE	FL-681	TANK 20	PCPI-314A	L	>10%	(A) MONITORING
FLANGE	FL-682	TANK 20	PCPI-314A	L	>10%	(A) MONITORING
FLANGE	FL-683	TANK 20	PCPI-314A	L	>10%	(A) MONITORING
FLANGE	FL-684	TANK 20	PCPI-314A	L	>10%	(A) MONITORING
FLANGE	FL-685	TANK 20	PCPI-314A	L	>10%	(A) MONITORING
FLANGE	FL-686	TANK 20	PCPI-314A	L	>10%	(A) MONITORING
FLANGE	FL-687	TANK 20	PCPI-314A	L	>10%	(A) MONITORING
FLANGE	FL-688	TANK 20	PCPI-314A	L	>10%	(A) MONITORING
FLANGE	FL-689	TANK 20	PCPI-314A	L	>10%	(A) MONITORING
FLANGE	FL-690	TANK 20	PCPI-314A	L	>10%	(A) MONITORING
FLANGE	FL-691	TANK 20	PCPI-314A	L	>10%	(A) MONITORING
FLANGE	FL-692	TANK 20	PCPI-314A	L	>10%	(A) MONITORING
FLANGE	FL-693	TANK 20	PCPI-314A	L	>10%	(A) MONITORING
FLANGE	FL-694	TANK 20	PCPI-314A	L	>10%	(A) MONITORING
FLANGE	FL-695	TANK 20	PCPI-314A	L	>10%	(A) MONITORING
FLANGE	FL-696	TANK 20	PCPI-314A	L	>10%	(A) MONITORING
FLANGE	FL-697	TANK 20	PCPI-314A	L	>10%	(A) MONITORING
FLANGE	FL-698	TANK 20	PCPI-314A	L	>10%	(A) MONITORING
FLANGE	FL-699	TANK 20	PCPI-314A	L	>10%	(A) MONITORING
FLANGE	FL-700	TANK 20	PCPI-314A	L	>10%	(A) MONITORING
FLANGE	FL-701	TANK 20	PCPI-314A	L	>10%	(A) MONITORING
FLANGE	FL-702	TANK 20	PCPI-314A	L	>10%	(A) MONITORING
FLANGE	FL-703	TANK 20	PCPI-314A	L	>10%	(A) MONITORING
FLANGE	FL-704	TANK 20	PCPI-314A	L	>10%	(A) MONITORING
FLANGE	FL-705	TANK 20	PCPI-314A	L	>10%	(A) MONITORING
FLANGE	FL-706	TANK 20	PCPI-314A	L	>10%	(A) MONITORING
FLANGE	FL-707	TANK 21	PCPI-314B	L	>10%	(A) MONITORING
FLANGE	FL-708	TANK 21	PCPI-314B	L	>10%	(A) MONITORING
FLANGE	FL-709	TANK 21	PCPI-314B	L	>10%	(A) MONITORING
FLANGE	FL-710	TANK 21	PCPI-314B	L	>10%	(A) MONITORING
FLANGE	FL-711	TANK 21	PCPI-314B	L	>10%	(A) MONITORING
FLANGE	FL-712	TANK 21	PCPI-314B	L	>10%	(A) MONITORING
FLANGE	FL-713	TANK 21	PCPI-314B	L	>10%	(A) MONITORING
FLANGE	FL-714	TANK 21	PCPI-314B	L	>10%	(A) MONITORING

Equip. Type	Equip. Number	Equip.Location	Drawing Number	State of Waste	Percent Organic Content	Method of Compliance
FLANGE	FL-715	TANK 21	PCPI-314B	L	>10%	(A) MONITORING
FLANGE	FL-716	TANK 21	PCPI-314B	L	>10%	(A) MONITORING
FLANGE	FL-717	TANK 21	PCPI-314B	L	>10%	(A) MONITORING
FLANGE	FL-718	TANK 21	PCPI-314B	L	>10%	(A) MONITORING
FLANGE	FL-719	TANK 21	PCPI-314B	L	>10%	(A) MONITORING
FLANGE	FL-720	TANK 21	PCPI-314B	L	>10%	(A) MONITORING
FLANGE	FL-721	TANK 21	PCPI-314B	L	>10%	(A) MONITORING
FLANGE	FL-722	TANK 21	PCPI-314B	L	>10%	(A) MONITORING
FLANGE	FL-723	TANK 21	PCPI-314B	L	>10%	(A) MONITORING
FLANGE	FL-724	TANK 21	PCPI-314B	L	>10%	(A) MONITORING
FLANGE	FL-725	TANK 21	PCPI-314B	L	>10%	(A) MONITORING
FLANGE	FL-726	TANK 21	PCPI-314B	L	>10%	(A) MONITORING
FLANGE	FL-727	TANK 21	PCPI-314B	L	>10%	(A) MONITORING
FLANGE	FL-728	TANK 21	PCPI-314B	L	>10%	(A) MONITORING
FLANGE	FL-729	TANK 21	PCPI-314B	L	>10%	(A) MONITORING
FLANGE	FL-730	TANK 21	PCPI-314B	L	>10%	(A) MONITORING
FLANGE	FL-731	TANK 21	PCPI-314B	L	>10%	(A) MONITORING
FLANGE	FL-732	TANK 21	PCPI-314B	L	>10%	(A) MONITORING
FLANGE	FL-733	TANK 21	PCPI-314B	L	>10%	(A) MONITORING
FLANGE	FL-734	TANK 21	PCPI-314B	L	>10%	(A) MONITORING
FLANGE	FL-735	TANK 21	PCPI-314B	L	>10%	(A) MONITORING
FLANGE	FL-736	TANK 22	PCPI-314B	L	>10%	(A) MONITORING
FLANGE	FL-737	TANK 22	PCPI-314B	L	>10%	(A) MONITORING
FLANGE	FL-738	TANK 22	PCPI-314B	L	>10%	(A) MONITORING
FLANGE	FL-739	TANK 22	PCPI-314B	L	>10%	(A) MONITORING
FLANGE	FL-740	TANK 22	PCPI-314B	L	>10%	(A) MONITORING
FLANGE	FL-741	TANK 22	PCPI-314B	L	>10%	(A) MONITORING
FLANGE	FL-742	TANK 22	PCPI-314B	L	>10%	(A) MONITORING
FLANGE	FL-743	TANK 22	PCPI-314B	L	>10%	(A) MONITORING
FLANGE	FL-744	TANK 22	PCPI-314B	L	>10%	(A) MONITORING
FLANGE	FL-745	TANK 22	PCPI-314B	L	>10%	(A) MONITORING
FLANGE	FL-746	TANK 22	PCPI-314B	L	>10%	(A) MONITORING
FLANGE	FL-747	TANK 22	PCPI-314B	L	>10%	(A) MONITORING
FLANGE	FL-748	TANK 22	PCPI-314B	L	>10%	(A) MONITORING
FLANGE	FL-749	TANK 22	PCPI-314B	L	>10%	(A) MONITORING
FLANGE	FL-750	TANK 22	PCPI-314B	L	>10%	(A) MONITORING
FLANGE	FL-751	TANK 22	PCPI-314B	L	>10%	(A) MONITORING
FLANGE	FL-752	TANK 22	PCPI-314B	L	>10%	(A) MONITORING
FLANGE	FL-753	TANK 22	PCPI-314B	L	>10%	(A) MONITORING
FLANGE	FL-754	TANK 22	PCPI-314B	L	>10%	(A) MONITORING
FLANGE	FL-755	TANK 22	PCPI-314B	L	>10%	(A) MONITORING
FLANGE	FL-756	TANK 22	PCPI-314B	L	>10%	(A) MONITORING
FLANGE	FL-757	TANK 22	PCPI-314B	L	>10%	(A) MONITORING
FLANGE	FL-758	TANK 22	PCPI-314B	L	>10%	(A) MONITORING
FLANGE	FL-759	TANK 22	PCPI-314B	L	>10%	(A) MONITORING
FLANGE	FL-760	TANK 22	PCPI-314B	L	>10%	(A) MONITORING
FLANGE	FL-761	TANK 22	PCPI-314B	L	>10%	(A) MONITORING
FLANGE	FL-762	TANK 22	PCPI-314B	L	>10%	(A) MONITORING
FLANGE	FL-763	TANK 22	PCPI-314B	L	>10%	(A) MONITORING
FLANGE	FL-764	TANK 22	PCPI-314B	L	>10%	(A) MONITORING
FLANGE	FL-765	TANK 22	PCPI-314B	L	>10%	(A) MONITORING
FLANGE	FL-766	TANK 22	PCPI-314B	L	>10%	(A) MONITORING
FLANGE	FL-767	TANK 22	PCPI-314B	L	>10%	(A) MONITORING
FLANGE	FL-768	TANK 22	PCPI-314B	L	>10%	(A) MONITORING

Equip. Type	Equip. Number	Equip.Location	Drawing Number	State of Waste	Percent Organic Content	Method of Compliance
FLANGE	FL-769	TANK 23	PCPI-314B	L	>10%	(A) MONITORING
FLANGE	FL-770	TANK 23	PCPI-314B	L	>10%	(A) MONITORING
FLANGE	FL-771	TANK 23	PCPI-314B	L	>10%	(A) MONITORING
FLANGE	FL-772	TANK 23	PCPI-314B	L	>10%	(A) MONITORING
FLANGE	FL-773	TANK 23	PCPI-314B	L	>10%	(A) MONITORING
FLANGE	FL-774	TANK 23	PCPI-314B	L	>10%	(A) MONITORING
FLANGE	FL-775	TANK 23	PCPI-314B	L	>10%	(A) MONITORING
FLANGE	FL-776	TANK 23	PCPI-314B	L	>10%	(A) MONITORING
FLANGE	FL-777	TANK 23	PCPI-314B	L	>10%	(A) MONITORING
FLANGE	FL-778	TANK 23	PCPI-314B	L	>10%	(A) MONITORING
FLANGE	FL-779	TANK 23	PCPI-314B	L	>10%	(A) MONITORING
FLANGE	FL-780	TANK 23	PCPI-314B	L	>10%	(A) MONITORING
FLANGE	FL-781	TANK 23	PCPI-314B	L	>10%	(A) MONITORING
FLANGE	FL-782	TANK 23	PCPI-314B	L	>10%	(A) MONITORING
FLANGE	FL-783	TANK 23	PCPI-314B	L	>10%	(A) MONITORING
FLANGE	FL-784	TANK 23	PCPI-314B	L	>10%	(A) MONITORING
FLANGE	FL-785	TANK 23	PCPI-314B	L	>10%	(A) MONITORING
FLANGE	FL-786	TANK 23	PCPI-314B	L	>10%	(A) MONITORING
FLANGE	FL-787	TANK 23	PCPI-314B	L	>10%	(A) MONITORING
FLANGE	FL-788	TANK 23	PCPI-314B	L	>10%	(A) MONITORING
FLANGE	FL-789	TANK 23	PCPI-314B	L	>10%	(A) MONITORING
FLANGE	FL-790	TANK 23	PCPI-314B	L	>10%	(A) MONITORING
FLANGE	FL-791	TANK 23	PCPI-314B	L	>10%	(A) MONITORING
FLANGE	FL-792	TANK 23	PCPI-314B	L	>10%	(A) MONITORING
FLANGE	FL-793	TANK 23	PCPI-314B	L	>10%	(A) MONITORING
FLANGE	FL-794	TANK 23	PCPI-314B	L	>10%	(A) MONITORING
FLANGE	FL-795	TANK 23	PCPI-314B	L	>10%	(A) MONITORING
FLANGE	FL-796	TANK 23	PCPI-314B	L	>10%	(A) MONITORING
FLANGE	FL-797	TANK 23	PCPI-314B	L	>10%	(A) MONITORING
FLANGE	FL-798	TANK 23	PCPI-314B	L	>10%	(A) MONITORING
FLANGE	FL-799	TANK 23	PCPI-314B	L	>10%	(A) MONITORING
FLANGE	FL-800	TANK 23	PCPI-314B	L	>10%	(A) MONITORING
FLANGE	FL-801	TANK 23	PCPI-314B	L	>10%	(A) MONITORING
FLANGE	FL-802	TANK 23	PCPI-314B	L	>10%	(A) MONITORING
FLANGE	FL-803	TANK 23	PCPI-314B	L	>10%	(A) MONITORING
FLANGE	FL-804	TANK 23	PCPI-314B	L	>10%	(A) MONITORING
FLANGE	FL-805	TANK 23	PCPI-314B	L	>10%	(A) MONITORING
FLANGE	FL-806	TANK 23	PCPI-314B	L	>10%	(A) MONITORING
FLANGE	FL-807	TANK 23	PCPI-314B	L	>10%	(A) MONITORING
FLANGE	FL-808	TANK 23	PCPI-314B	L	>10%	(A) MONITORING
FLANGE	FL-809	TANK 23	PCPI-314B	L	>10%	(A) MONITORING
FLANGE	FL-810	TANK 23	PCPI-314B	L	>10%	(A) MONITORING
FLANGE	FL-811	TANK 24	PCPI-314B	L	>10%	(A) MONITORING
FLANGE	FL-812	TANK 24	PCPI-314B	L	>10%	(A) MONITORING
FLANGE	FL-813	TANK 24	PCPI-314B	L	>10%	(A) MONITORING
FLANGE	FL-814	TANK 24	PCPI-314B	L	>10%	(A) MONITORING
FLANGE	FL-815	TANK 24	PCPI-314B	L	>10%	(A) MONITORING
FLANGE	FL-816	TANK 24	PCPI-314B	L	>10%	(A) MONITORING
FLANGE	FL-817	TANK 24	PCPI-314B	L	>10%	(A) MONITORING
FLANGE	FL-818	TANK 24	PCPI-314B	L	>10%	(A) MONITORING
FLANGE	FL-819	TANK 24	PCPI-314B	L	>10%	(A) MONITORING
FLANGE	FL-820	TANK 24	PCPI-314B	L	>10%	(A) MONITORING
FLANGE	FL-821	TANK 24	PCPI-314B	L	>10%	(A) MONITORING
FLANGE	FL-822	TANK 24	PCPI-314B	L	>10%	(A) MONITORING

Equip. Type	Equip. Number	Equip.Location	Drawing Number	State of Waste	Percent Organic Content	Method of Compliance
FLANGE	FL-823	TANK 24	PCPI-314B	L	>10%	(A) MONITORING
FLANGE	FL-824	TANK 24	PCPI-314B	L	>10%	(A) MONITORING
FLANGE	FL-825	TANK 24	PCPI-314B	L	>10%	(A) MONITORING
FLANGE	FL-826	TANK 24	PCPI-314B	L	>10%	(A) MONITORING
FLANGE	FL-827	TANK 24	PCPI-314B	L	>10%	(A) MONITORING
FLANGE	FL-828	TANK 24	PCPI-314B	L	>10%	(A) MONITORING
FLANGE	FL-829	TANK 24	PCPI-314B	L	>10%	(A) MONITORING
FLANGE	FL-830	TANK 24	PCPI-314B	L	>10%	(A) MONITORING
FLANGE	FL-831	TANK 24	PCPI-314B	L	>10%	(A) MONITORING
FLANGE	FL-832	TANK 24	PCPI-314B	L	>10%	(A) MONITORING
FLANGE	FL-833	TANK 24	PCPI-314B	L	>10%	(A) MONITORING
FLANGE	FL-834	TANK 24	PCPI-314B	L	>10%	(A) MONITORING
FLANGE	FL-835	TANK 24	PCPI-314B	L	>10%	(A) MONITORING
FLANGE	FL-836	TANK 24	PCPI-314B	L	>10%	(A) MONITORING
FLANGE	FL-837	TANK 24	PCPI-314B	L	>10%	(A) MONITORING
FLANGE	FL-838	TANK 24	PCPI-314B	L	>10%	(A) MONITORING
FLANGE	FL-839	TANK 24	PCPI-314B	L	>10%	(A) MONITORING
FLANGE	FL-840	TANK 24	PCPI-314B	L	>10%	(A) MONITORING
FLANGE	FL-841	TANK 24	PCPI-314B	L	>10%	(A) MONITORING
FLANGE	FL-842	TANK 24	PCPI-314B	L	>10%	(A) MONITORING
FLANGE	FL-843	TANK 24	PCPI-314B	L	>10%	(A) MONITORING
FLANGE	FL-844	TANK 24	PCPI-314B	L	>10%	(A) MONITORING
FLANGE	FL-845	TANK 24	PCPI-314B	L	>10%	(A) MONITORING
FLANGE	FL-846	TANK 24	PCPI-314B	L	>10%	(A) MONITORING
FLANGE	FL-847	TANK 24	PCPI-314B	L	>10%	(A) MONITORING
FLANGE	FL-848	TANK 24	PCPI-314B	L	>10%	(A) MONITORING
FLANGE	FL-849	TANK 24	PCPI-314B	L	>10%	(A) MONITORING
FLANGE	FL-850	TANK 24	PCPI-314B	L	>10%	(A) MONITORING
FLANGE	FL-851	TANK 24	PCPI-314B	L	>10%	(A) MONITORING
FLANGE	FL-852	TANK 25	PCPI-314B	L	>10%	(A) MONITORING
FLANGE	FL-853	TANK 25	PCPI-314B	L	>10%	(A) MONITORING
FLANGE	FL-854	TANK 25	PCPI-314B	L	>10%	(A) MONITORING
FLANGE	FL-855	TANK 25	PCPI-314B	L	>10%	(A) MONITORING
FLANGE	FL-856	TANK 25	PCPI-314B	L	>10%	(A) MONITORING
FLANGE	FL-857	TANK 25	PCPI-314B	L	>10%	(A) MONITORING
FLANGE	FL-858	TANK 25	PCPI-314B	L	>10%	(A) MONITORING
FLANGE	FL-859	TANK 25	PCPI-314B	L	>10%	(A) MONITORING
FLANGE	FL-860	TANK 25	PCPI-314B	L	>10%	(A) MONITORING
FLANGE	FL-861	TANK 25	PCPI-314B	L	>10%	(A) MONITORING
FLANGE	FL-862	TANK 25	PCPI-314B	L	>10%	(A) MONITORING
FLANGE	FL-863	TANK 25	PCPI-314B	L	>10%	(A) MONITORING
FLANGE	FL-864	TANK 25	PCPI-314B	L	>10%	(A) MONITORING
FLANGE	FL-865	TANK 25	PCPI-314B	L	>10%	(A) MONITORING
FLANGE	FL-866	TANK 25	PCPI-314B	L	>10%	(A) MONITORING
FLANGE	FL-867	TANK 25	PCPI-314B	L	>10%	(A) MONITORING
FLANGE	FL-868	TANK 25	PCPI-314B	L	>10%	(A) MONITORING
FLANGE	FL-869	TANK 25	PCPI-314B	L	>10%	(A) MONITORING
FLANGE	FL-870	TANK 25	PCPI-314B	L	>10%	(A) MONITORING
FLANGE	FL-871	TANK 25	PCPI-314B	L	>10%	(A) MONITORING
FLANGE	FL-872	TANK 25	PCPI-314B	L	>10%	(A) MONITORING
FLANGE	FL-873	TANK 25	PCPI-314B	L	>10%	(A) MONITORING
FLANGE	FL-874	TANK 25	PCPI-314B	L	>10%	(A) MONITORING
FLANGE	FL-875	TANK 25	PCPI-314B	L	>10%	(A) MONITORING
FLANGE	FL-876	TANK 25	PCPI-314B	L	>10%	(A) MONITORING

Equip. Type	Equip. Number	Equip.Location	Drawing Number	State of Waste	Percent Organic Content	Method of Compliance
FLANGE	FL-877	TANK 25	PCPI-314B	L	>10%	(A) MONITORING
FLANGE	FL-878	TANK 25	PCPI-314B	L	>10%	(A) MONITORING
FLANGE	FL-879	TANK 25	PCPI-314B	L	>10%	(A) MONITORING
FLANGE	FL-880	TANK 25	PCPI-314B	L	>10%	(A) MONITORING
FLANGE	FL-881	TANK 25	PCPI-314B	L	>10%	(A) MONITORING
FLANGE	FL-882	TANK 25	PCPI-314B	L	>10%	(A) MONITORING
FLANGE	FL-883	TANK 25	PCPI-314B	L	>10%	(A) MONITORING
FLANGE	FL-884	TANK 25	PCPI-314B	L	>10%	(A) MONITORING
FLANGE	FL-885	TANK 25	PCPI-314B	L	>10%	(A) MONITORING
FLANGE	FL-886	TANK 25	PCPI-314B	L	>10%	(A) MONITORING
FLANGE	FL-887	TANK 25	PCPI-314B	L	>10%	(A) MONITORING
FLANGE	FL-888	TANK 25	PCPI-314B	L	>10%	(A) MONITORING
FLANGE	FL-889	TANK 25	PCPI-314B	L	>10%	(A) MONITORING
FLANGE	FL-890	TANK 25	PCPI-314B	L	>10%	(A) MONITORING
FLANGE	FL-891	TANK 25	PCPI-314B	L	>10%	(A) MONITORING
FLANGE	FL-892	TANK 25	PCPI-314B	L	>10%	(A) MONITORING
FLANGE	FL-893	TANK 25	PCPI-314B	L	>10%	(A) MONITORING
FLANGE	FL-894	TANK 25	PCPI-314B	L	>10%	(A) MONITORING
FLANGE	FL-895	TANK 25	PCPI-314B	L	>10%	(A) MONITORING
FLANGE	FL-896	TANK 25	PCPI-314B	L	>10%	(A) MONITORING
FLANGE	FL-897	TANK 25	PCPI-314B	L	>10%	(A) MONITORING
FLANGE	FL-898	TANK 25	PCPI-314B	L	>10%	(A) MONITORING
FLANGE	FL-899	TANK 25	PCPI-314B	L	>10%	(A) MONITORING
FLANGE	FL-900	TANK 25	PCPI-314B	L	>10%	(A) MONITORING
FLANGE	FL-901	TANK 25	PCPI-314B	L	>10%	(A) MONITORING
FLANGE	FL-902	TANK 25	PCPI-314B	L	>10%	(A) MONITORING
FLANGE	FL-903	TANK 25	PCPI-314B	L	>10%	(A) MONITORING
FLANGE	FL-904	TANK 25	PCPI-314B	L	>10%	(A) MONITORING
FLANGE	FL-905	TANK 25	PCPI-314B	L	>10%	(A) MONITORING
FLANGE	FL-906	TANK 25	PCPI-314B	L	>10%	(A) MONITORING
FLANGE	FL-907	TANK 25	PCPI-314B	L	>10%	(A) MONITORING
FLANGE	FL-908	TANK 26	PCPI-314C	L	>10%	(A) MONITORING
FLANGE	FL-909	TANK 26	PCPI-314C	L	>10%	(A) MONITORING
FLANGE	FL-910	TANK 26	PCPI-314C	L	>10%	(A) MONITORING
FLANGE	FL-911	TANK 26	PCPI-314C	L	>10%	(A) MONITORING
FLANGE	FL-912	TANK 26	PCPI-314C	L	>10%	(A) MONITORING
FLANGE	FL-913	TANK 26	PCPI-314C	L	>10%	(A) MONITORING
FLANGE	FL-914	TANK 26	PCPI-314C	L	>10%	(A) MONITORING
FLANGE	FL-915	TANK 26	PCPI-314C	L	>10%	(A) MONITORING
FLANGE	FL-916	TANK 26	PCPI-314C	L	>10%	(A) MONITORING
FLANGE	FL-917	TANK 26	PCPI-314C	L	>10%	(A) MONITORING
FLANGE	FL-918	TANK 26	PCPI-314C	L	>10%	(A) MONITORING
FLANGE	FL-919	TANK 26	PCPI-314C	L	>10%	(A) MONITORING
FLANGE	FL-920	TANK 26	PCPI-314C	L	>10%	(A) MONITORING
FLANGE	FL-921	TANK 26	PCPI-314C	L	>10%	(A) MONITORING
FLANGE	FL-922	TANK 26	PCPI-314C	L	>10%	(A) MONITORING
FLANGE	FL-923	TANK 26	PCPI-314C	L	>10%	(A) MONITORING
FLANGE	FL-924	TANK 26	PCPI-314C	L	>10%	(A) MONITORING
FLANGE	FL-925	TANK 26	PCPI-314C	L	>10%	(A) MONITORING
FLANGE	FL-926	TANK 26	PCPI-314C	L	>10%	(A) MONITORING
FLANGE	FL-927	TANK 26	PCPI-314C	L	>10%	(A) MONITORING
FLANGE	FL-928	TANK 26	PCPI-314C	L	>10%	(A) MONITORING
FLANGE	FL-929	TANK 26	PCPI-314C	L	>10%	(A) MONITORING
FLANGE	FL-930	TANK 26	PCPI-314C	L	>10%	(A) MONITORING

Equip. Type	Equip. Number	Equip.Location	Drawing Number	State of Waste	Percent Organic Content	Method of Compliance
FLANGE	FL-931	TANK 26	PCPI-314C	L	>10%	(A) MONITORING
FLANGE	FL-932	TANK 26	PCPI-314C	L	>10%	(A) MONITORING
FLANGE	FL-933	TANK 26	PCPI-314C	L	>10%	(A) MONITORING
FLANGE	FL-934	TANK 26	PCPI-314C	L	>10%	(A) MONITORING
FLANGE	FL-935	TANK 26	PCPI-314C	L	>10%	(A) MONITORING
FLANGE	FL-936	TANK 26	PCPI-314C	L	>10%	(A) MONITORING
FLANGE	FL-937	TANK 26	PCPI-314C	L	>10%	(A) MONITORING
FLANGE	FL-938	TANK 26	PCPI-314C	L	>10%	(A) MONITORING
FLANGE	FL-939	TANK 26	PCPI-314C	L	>10%	(A) MONITORING
FLANGE	FL-940	TANK 26	PCPI-314C	L	>10%	(A) MONITORING
FLANGE	FL-941	TANK 26	PCPI-314C	L	>10%	(A) MONITORING
FLANGE	FL-942	TANK 26	PCPI-314C	L	>10%	(A) MONITORING
FLANGE	FL-943	TANK 26	PCPI-314C	L	>10%	(A) MONITORING
FLANGE	FL-944	TANK 26	PCPI-314C	L	>10%	(A) MONITORING
FLANGE	FL-945	TANK 26	PCPI-314C	L	>10%	(A) MONITORING
FLANGE	FL-946	TANK 27	PCPI-314C	L	>10%	(A) MONITORING
FLANGE	FL-947	TANK 27	PCPI-314C	L	>10%	(A) MONITORING
FLANGE	FL-948	TANK 27	PCPI-314C	L	>10%	(A) MONITORING
FLANGE	FL-949	TANK 27	PCPI-314C	L	>10%	(A) MONITORING
FLANGE	FL-950	TANK 27	PCPI-314C	L	>10%	(A) MONITORING
FLANGE	FL-951	TANK 27	PCPI-314C	L	>10%	(A) MONITORING
FLANGE	FL-952	TANK 27	PCPI-314C	L	>10%	(A) MONITORING
FLANGE	FL-953	TANK 27	PCPI-314C	L	>10%	(A) MONITORING
FLANGE	FL-954	TANK 27	PCPI-314C	L	>10%	(A) MONITORING
FLANGE	FL-955	TANK 27	PCPI-314C	L	>10%	(A) MONITORING
FLANGE	FL-956	TANK 27	PCPI-314C	L	>10%	(A) MONITORING
FLANGE	FL-957	TANK 27	PCPI-314C	L	>10%	(A) MONITORING
FLANGE	FL-958	TANK 27	PCPI-314C	L	>10%	(A) MONITORING
FLANGE	FL-959	TANK 27	PCPI-314C	L	>10%	(A) MONITORING
FLANGE	FL-960	TANK 27	PCPI-314C	L	>10%	(A) MONITORING
FLANGE	FL-961	TANK 27	PCPI-314C	L	>10%	(A) MONITORING
FLANGE	FL-962	TANK 27	PCPI-314C	L	>10%	(A) MONITORING
FLANGE	FL-963	TANK 27	PCPI-314C	L	>10%	(A) MONITORING
FLANGE	FL-964	TANK 27	PCPI-314C	L	>10%	(A) MONITORING
FLANGE	FL-965	TANK 27	PCPI-314C	L	>10%	(A) MONITORING
FLANGE	FL-966	TANK 27	PCPI-314C	L	>10%	(A) MONITORING
FLANGE	FL-967	TANK 27	PCPI-314C	L	>10%	(A) MONITORING
FLANGE	FL-968	TANK 27	PCPI-314C	L	>10%	(A) MONITORING
FLANGE	FL-969	TANK 27	PCPI-314C	L	>10%	(A) MONITORING
FLANGE	FL-970	TANK 27	PCPI-314C	L	>10%	(A) MONITORING
FLANGE	FL-971	TANK 27	PCPI-314C	L	>10%	(A) MONITORING
FLANGE	FL-972	TANK 27	PCPI-314C	L	>10%	(A) MONITORING
FLANGE	FL-973	TANK 27	PCPI-314C	L	>10%	(A) MONITORING
FLANGE	FL-974	TANK 27	PCPI-314C	L	>10%	(A) MONITORING
FLANGE	FL-975	TANK 27	PCPI-314C	L	>10%	(A) MONITORING
FLANGE	FL-976	TANK 27	PCPI-314C	L	>10%	(A) MONITORING
FLANGE	FL-977	TANK 27	PCPI-314C	L	>10%	(A) MONITORING
FLANGE	FL-978	TANK 27	PCPI-314C	L	>10%	(A) MONITORING
FLANGE	FL-979	TANK 27	PCPI-314C	L	>10%	(A) MONITORING
FLANGE	FL-980	TANK 27	PCPI-314C	L	>10%	(A) MONITORING
FLANGE	FL-981	TANK 27	PCPI-314C	L	>10%	(A) MONITORING
FLANGE	FL-982	TANK 27	PCPI-314C	L	>10%	(A) MONITORING
FLANGE	FL-983	TANK 27	PCPI-314C	L	>10%	(A) MONITORING
FLANGE	FL-984	TANK 27	PCPI-314C	L	>10%	(A) MONITORING

Equip. Type	Equip. Number	Equip.Location	Drawing Number	State of Waste	Percent Organic Content	Method of Compliance
FLANGE	FL-985	TANK 27	PCPI-314C	L	>10%	(A) MONITORING
FLANGE	FL-986	TANK 27	PCPI-314C	L	>10%	(A) MONITORING
FLANGE	FL-987	TANK 27	PCPI-314C	L	>10%	(A) MONITORING
FLANGE	FL-988	TANK 28	PCPI-314C	L	>10%	(A) MONITORING
FLANGE	FL-989	TANK 28	PCPI-314C	L	>10%	(A) MONITORING
FLANGE	FL-990	TANK 28	PCPI-314C	L	>10%	(A) MONITORING
FLANGE	FL-991	TANK 28	PCPI-314C	L	>10%	(A) MONITORING
FLANGE	FL-992	TANK 28	PCPI-314C	L	>10%	(A) MONITORING
FLANGE	FL-993	TANK 28	PCPI-314C	L	>10%	(A) MONITORING
FLANGE	FL-994	TANK 28	PCPI-314C	L	>10%	(A) MONITORING
FLANGE	FL-995	TANK 28	PCPI-314C	L	>10%	(A) MONITORING
FLANGE	FL-996	TANK 28	PCPI-314C	L	>10%	(A) MONITORING
FLANGE	FL-997	TANK 28	PCPI-314C	L	>10%	(A) MONITORING
FLANGE	FL-998	TANK 28	PCPI-314C	L	>10%	(A) MONITORING
FLANGE	FL-999	TANK 28	PCPI-314C	L	>10%	(A) MONITORING
FLANGE	FL-1000	TANK 28	PCPI-314C	L	>10%	(A) MONITORING
FLANGE	FL-1001	TANK 28	PCPI-314C	L	>10%	(A) MONITORING
FLANGE	FL-1002	TANK 28	PCPI-314C	L	>10%	(A) MONITORING
FLANGE	FL-1003	TANK 28	PCPI-314C	L	>10%	(A) MONITORING
FLANGE	FL-1004	TANK 28	PCPI-314C	L	>10%	(A) MONITORING
FLANGE	FL-1005	TANK 28	PCPI-314C	L	>10%	(A) MONITORING
FLANGE	FL-1006	TANK 28	PCPI-314C	L	>10%	(A) MONITORING
FLANGE	FL-1007	TANK 28	PCPI-314C	L	>10%	(A) MONITORING
FLANGE	FL-1008	TANK 28	PCPI-314C	L	>10%	(A) MONITORING
FLANGE	FL-1009	TANK 28	PCPI-314C	L	>10%	(A) MONITORING
FLANGE	FL-1010	TANK 28	PCPI-314C	L	>10%	(A) MONITORING
FLANGE	FL-1011	TANK 28	PCPI-314C	L	>10%	(A) MONITORING
FLANGE	FL-1012	TANK 28	PCPI-314C	L	>10%	(A) MONITORING
FLANGE	FL-1013	TANK 28	PCPI-314C	L	>10%	(A) MONITORING
FLANGE	FL-1014	TANK 28	PCPI-314C	L	>10%	(A) MONITORING
FLANGE	FL-1015	TANK 28	PCPI-314C	L	>10%	(A) MONITORING
FLANGE	FL-1016	TANK 28	PCPI-314C	L	>10%	(A) MONITORING
FLANGE	FL-1017	TANK 28	PCPI-314C	L	>10%	(A) MONITORING
FLANGE	FL-1018	TANK 28	PCPI-314C	L	>10%	(A) MONITORING
FLANGE	FL-1019	TANK 28	PCPI-314C	L	>10%	(A) MONITORING
FLANGE	FL-1020	TANK 28	PCPI-314C	L	>10%	(A) MONITORING
FLANGE	FL-1021	TANK 28	PCPI-314C	L	>10%	(A) MONITORING
FLANGE	FL-1022	TANK 28	PCPI-314C	L	>10%	(A) MONITORING
FLANGE	FL-1023	TANK 28	PCPI-314C	L	>10%	(A) MONITORING
FLANGE	FL-1024	TANK 28	PCPI-314C	L	>10%	(A) MONITORING
FLANGE	FL-1025	TANK 28	PCPI-314C	L	>10%	(A) MONITORING
FLANGE	FL-1026	TANK 28	PCPI-314C	L	>10%	(A) MONITORING
FLANGE	FL-1027	TANK 28	PCPI-314C	L	>10%	(A) MONITORING
FLANGE	FL-1028	TANK 28	PCPI-314C	L	>10%	(A) MONITORING
FLANGE	FL-1029	TANK 28	PCPI-314C	L	>10%	(A) MONITORING
FLANGE	FL-1030	TANK 28	PCPI-314C	L	>10%	(A) MONITORING
FLANGE	FL-1031	TANK 29	PCPI-314C	L	>10%	(A) MONITORING
FLANGE	FL-1032	TANK 29	PCPI-314C	L	>10%	(A) MONITORING
FLANGE	FL-1033	TANK 29	PCPI-314C	L	>10%	(A) MONITORING
FLANGE	FL-1034	TANK 29	PCPI-314C	L	>10%	(A) MONITORING
FLANGE	FL-1035	TANK 29	PCPI-314C	L	>10%	(A) MONITORING
FLANGE	FL-1036	TANK 29	PCPI-314C	L	>10%	(A) MONITORING
FLANGE	FL-1037	TANK 29	PCPI-314C	L	>10%	(A) MONITORING
FLANGE	FL-1038	TANK 29	PCPI-314C	L	>10%	(A) MONITORING

Equip. Type	Equip. Number	Equip.Location	Drawing Number	State of Waste	Percent Organic Content	Method of Compliance
FLANGE	FL-1039	TANK 29	PCPI-314C	L	>10%	(A) MONITORING
FLANGE	FL-1040	TANK 29	PCPI-314C	L	>10%	(A) MONITORING
FLANGE	FL-1041	TANK 29	PCPI-314C	L	>10%	(A) MONITORING
FLANGE	FL-1042	TANK 29	PCPI-314C	L	>10%	(A) MONITORING
FLANGE	FL-1043	TANK 29	PCPI-314C	L	>10%	(A) MONITORING
FLANGE	FL-1044	TANK 29	PCPI-314C	L	>10%	(A) MONITORING
FLANGE	FL-1045	TANK 29	PCPI-314C	L	>10%	(A) MONITORING
FLANGE	FL-1046	TANK 29	PCPI-314C	L	>10%	(A) MONITORING
FLANGE	FL-1047	TANK 29	PCPI-314C	L	>10%	(A) MONITORING
FLANGE	FL-1048	TANK 29	PCPI-314C	L	>10%	(A) MONITORING
FLANGE	FL-1049	TANK 29	PCPI-314C	L	>10%	(A) MONITORING
FLANGE	FL-1050	TANK 29	PCPI-314C	L	>10%	(A) MONITORING
FLANGE	FL-1051	TANK 29	PCPI-314C	L	>10%	(A) MONITORING
FLANGE	FL-1052	TANK 29	PCPI-314C	L	>10%	(A) MONITORING
FLANGE	FL-1053	TANK 29	PCPI-314C	L	>10%	(A) MONITORING
FLANGE	FL-1054	TANK 29	PCPI-314C	L	>10%	(A) MONITORING
FLANGE	FL-1055	TANK 29	PCPI-314C	L	>10%	(A) MONITORING
FLANGE	FL-1056	TANK 29	PCPI-314C	L	>10%	(A) MONITORING
FLANGE	FL-1057	TANK 29	PCPI-314C	L	>10%	(A) MONITORING
FLANGE	FL-1058	TANK 29	PCPI-314C	L	>10%	(A) MONITORING
FLANGE	FL-1059	TANK 29	PCPI-314C	L	>10%	(A) MONITORING
FLANGE	FL-1060	TANK 29	PCPI-314C	L	>10%	(A) MONITORING
FLANGE	FL-1061	TANK 29	PCPI-314C	L	>10%	(A) MONITORING
FLANGE	FL-1062	TANK 29	PCPI-314C	L	>10%	(A) MONITORING
FLANGE	FL-1063	TANK 29	PCPI-314C	L	>10%	(A) MONITORING
FLANGE	FL-1064	TANK 29	PCPI-314C	L	>10%	(A) MONITORING
FLANGE	FL-1065	TANK 30	PCPI-314C	L	>10%	(A) MONITORING
FLANGE	FL-1066	TANK 30	PCPI-314C	L	>10%	(A) MONITORING
FLANGE	FL-1067	TANK 30	PCPI-314C	L	>10%	(A) MONITORING
FLANGE	FL-1068	TANK 30	PCPI-314C	L	>10%	(A) MONITORING
FLANGE	FL-1069	TANK 30	PCPI-314C	L	>10%	(A) MONITORING
FLANGE	FL-1070	TANK 30	PCPI-314C	L	>10%	(A) MONITORING
FLANGE	FL-1071	TANK 30	PCPI-314C	L	>10%	(A) MONITORING
FLANGE	FL-1072	TANK 30	PCPI-314C	L	>10%	(A) MONITORING
FLANGE	FL-1073	TANK 30	PCPI-314C	L	>10%	(A) MONITORING
FLANGE	FL-1074	TANK 30	PCPI-314C	L	>10%	(A) MONITORING
FLANGE	FL-1075	TANK 30	PCPI-314C	L	>10%	(A) MONITORING
FLANGE	FL-1076	TANK 30	PCPI-314C	L	>10%	(A) MONITORING
FLANGE	FL-1077	TANK 30	PCPI-314C	L	>10%	(A) MONITORING
FLANGE	FL-1078	TANK 30	PCPI-314C	L	>10%	(A) MONITORING
FLANGE	FL-1079	TANK 30	PCPI-314C	L	>10%	(A) MONITORING
FLANGE	FL-1080	TANK 30	PCPI-314C	L	>10%	(A) MONITORING
FLANGE	FL-1081	TANK 30	PCPI-314C	L	>10%	(A) MONITORING
FLANGE	FL-1082	TANK 30	PCPI-314C	L	>10%	(A) MONITORING
FLANGE	FL-1083	TANK 30	PCPI-314C	L	>10%	(A) MONITORING
FLANGE	FL-1084	TANK 30	PCPI-314C	L	>10%	(A) MONITORING
FLANGE	FL-1085	TANK 30	PCPI-314C	L	>10%	(A) MONITORING
FLANGE	FL-1086	TANK 30	PCPI-314C	L	>10%	(A) MONITORING
FLANGE	FL-1087	TANK 30	PCPI-314C	L	>10%	(A) MONITORING
FLANGE	FL-1088	TANK 30	PCPI-314C	L	>10%	(A) MONITORING
FLANGE	FL-1089	TANK 30	PCPI-314C	L	>10%	(A) MONITORING
FLANGE	FL-1090	TANK 30	PCPI-314C	L	>10%	(A) MONITORING
FLANGE	FL-1091	TANK 30	PCPI-314C	L	>10%	(A) MONITORING
FLANGE	FL-1092	TANK 30	PCPI-314C	L	>10%	(A) MONITORING

Equip. Type	Equip. Number	Equip.Location	Drawing Number	State of Waste	Percent Organic Content	Method of Compliance
FLANGE	FL-1093	TANK 30	PCPI-314C	L	>10%	(A) MONITORING
FLANGE	FL-1094	TANK 30	PCPI-314C	L	>10%	(A) MONITORING
FLANGE	FL-1095	TANK 30	PCPI-314C	L	>10%	(A) MONITORING
FLANGE	FL-1096	TANK 30	PCPI-314C	L	>10%	(A) MONITORING
FLANGE	FL-1097	TANK 30	PCPI-314C	L	>10%	(A) MONITORING
FLANGE	FL-1098	TANK 30	PCPI-314C	L	>10%	(A) MONITORING
FLANGE	FL-1110	FILTER BASKET	PCPI-315	L	>10%	(A) MONITORING
FLANGE	FL-1111	FILTER BASKET	PCPI-315	L	>10%	(A) MONITORING
FLANGE	FL-1112	MOYNO	PCPI-315	L	>10%	(A) MONITORING
FLANGE	FL-1113	MOYNO	PCPI-315	L	>10%	(A) MONITORING
FLANGE	FL-1114	MOYNO	PCPI-315	L	>10%	(A) MONITORING
FLANGE	FL-1115	MOYNO	PCPI-315	L	>10%	(A) MONITORING
FLANGE	FL-1116	MOYNO	PCPI-315	L	>10%	(A) MONITORING
FLANGE	FL-1117	PUMP 17	PCPI-315	L	>10%	(A) MONITORING
FLANGE	FL-1118	PUMP 17	PCPI-315	L	>10%	(A) MONITORING
FLANGE	FL-1119	PUMP 17	PCPI-315	L	>10%	(A) MONITORING
FLANGE	FL-1120	TRANSFER LINE	PCPI-315	L	>10%	(A) MONITORING
FLANGE	FL-1121	TRANSFER LINE	PCPI-315	L	>10%	(A) MONITORING
FLANGE	FL-1122	MOYNO	PCPI-315	L	>10%	(A) MONITORING
FLANGE	FL-1123	MOYNO	PCPI-315	L	>10%	(A) MONITORING
FLANGE	FL-1124	MOYNO	PCPI-315	L	>10%	(A) MONITORING
FLANGE	FL-1125	MOYNO	PCPI-315	L	>10%	(A) MONITORING
FLANGE	FL-1126	MOYNO	PCPI-315	L	>10%	(A) MONITORING
FLANGE	FL-1127	MOYNO	PCPI-315	L	>10%	(A) MONITORING
FLANGE	FL-1128	MOYNO	PCPI-315	L	>10%	(A) MONITORING
FLANGE	FL-1129	MOYNO	PCPI-315	L	>10%	(A) MONITORING
FLANGE	FL-1130	MOYNO	PCPI-315	L	>10%	(A) MONITORING
FLANGE	FL-1131	MOYNO	PCPI-315	L	>10%	(A) MONITORING
FLANGE	FL-1132	HEADER SYSTEM	PCPI-315	L	>10%	(A) MONITORING
FLANGE	FL-1133	HEADER SYSTEM	PCPI-315	L	>10%	(A) MONITORING
FLANGE	FL-1136	HEADER SYSTEM	PCPI-316	L	>10%	(A) MONITORING
FLANGE	FL-1137	HEADER SYSTEM	PCPI-316	L	>10%	(A) MONITORING
FLANGE	FL-1138	MOYNO	PCPI-316	L	>10%	(A) MONITORING
FLANGE	FL-1139	MOYNO	PCPI-316	L	>10%	(A) MONITORING
FLANGE	FL-1140	MOYNO	PCPI-316	L	>10%	(A) MONITORING
FLANGE	FL-1141	MOYNO	PCPI-316	L	>10%	(A) MONITORING
FLANGE	FL-1142	PUMP 18	PCPI-316	L	>10%	(A) MONITORING
FLANGE	FL-1143	PUMP 18	PCPI-316	L	>10%	(A) MONITORING
FLANGE	FL-1144	FILTER BASKET	PCPI-316	L	>10%	(A) MONITORING
FLANGE	FL-1145	FILTER BASKET	PCPI-316	L	>10%	(A) MONITORING
FLANGE	FL-1146	HEADER SYSTEM	PCPI-316	L	>10%	(A) MONITORING
FLANGE	FL-1147	HEADER SYSTEM	PCPI-316	L	>10%	(A) MONITORING
FLANGE	FL-1148	HEADER SYSTEM	PCPI-316	L	>10%	(A) MONITORING
FLANGE	FL-1149	HEADER SYSTEM	PCPI-316	L	>10%	(A) MONITORING
FLANGE	FL-1150	STRAINER AND PAN	PCPI-316	L	>10%	(A) MONITORING
FLANGE	FL-1151	STRAINER AND PAN	PCPI-316	L	>10%	(A) MONITORING
FLANGE	FL-1152	STRAINER AND PAN	PCPI-316	L	>10%	(A) MONITORING
FLANGE	FL-1153	PUMP 19	PCPI-316	L	>10%	(A) MONITORING
FLANGE	FL-1154	PUMP 19	PCPI-316	L	>10%	(A) MONITORING
FLANGE	FL-1155	HEADER SYSTEM	PCPI-316	L	>10%	(A) MONITORING
FLANGE	FL-1156	HEADER SYSTEM	PCPI-316	L	>10%	(A) MONITORING
FLANGE	FL-1157	HEADER SYSTEM	PCPI-317	L	>10%	(A) MONITORING
FLANGE	FL-1158	HEADER SYSTEM	PCPI-317	L	>10%	(A) MONITORING
FLANGE	FL-1159	FILTER BASKET	PCPI-317	L	>10%	(A) MONITORING

Equip. Type	Equip. Number	Equip.Location	Drawing Number	State of Waste	Percent Organic Content	Method of Compliance
FLANGE	FL-1160	FILTER BASKET	PCPI-317	L	>10%	(A) MONITORING
FLANGE	FL-1161	MOYNO	PCPI-317	L	>10%	(A) MONITORING
FLANGE	FL-1162	MOYNO	PCPI-317	L	>10%	(A) MONITORING
FLANGE	FL-1163	PUMP 20	PCPI-317	L	>10%	(A) MONITORING
FLANGE	FL-1164	PUMP 20	PCPI-317	L	>10%	(A) MONITORING
FLANGE	FL-1165	PUMP 20	PCPI-317	L	>10%	(A) MONITORING
FLANGE	FL-1166	TRANSFER LINE	PCPI-317	L	>10%	(A) MONITORING
FLANGE	FL-1167	TRANSFER LINE	PCPI-317	L	>10%	(A) MONITORING
FLANGE	FL-1168	MOYNO	PCPI-317	L	>10%	(A) MONITORING
FLANGE	FL-1169	MOYNO	PCPI-317	L	>10%	(A) MONITORING
FLANGE	FL-1170	MOYNO	PCPI-317	L	>10%	(A) MONITORING
FLANGE	FL-1171	MOYNO	PCPI-317	L	>10%	(A) MONITORING
FLANGE	FL-463	TANK S-69	PCPI-324	L	>10%	(A) MONITORING
FLANGE	FL-464	TANK S-69	PCPI-324	L	>10%	(A) MONITORING
FLANGE	FL-465	TANK S-69	PCPI-324	L	>10%	(A) MONITORING
FLANGE	FL-466	TANK S-69	PCPI-324	L	>10%	(A) MONITORING
FLANGE	FL-467	TANK S-69	PCPI-324	L	>10%	(A) MONITORING
FLANGE	FL-468	TANK S-69	PCPI-324	L	>10%	(A) MONITORING
FLANGE	FL-469	TANK S-69	PCPI-324	L	>10%	(A) MONITORING
FLANGE	FL-470	TANK S-69	PCPI-324	L	>10%	(A) MONITORING
FLANGE	FL-471	TANK S-69	PCPI-324	L	>10%	(A) MONITORING
FLANGE	FL-472	TANK S-69	PCPI-324	L	>10%	(A) MONITORING
FLANGE	FL-473	TANK S-69 LINE	PCPI-324	L	>10%	(A) MONITORING
FLANGE	FL-474	TANK S-69 LINE	PCPI-324	L	>10%	(A) MONITORING
FLANGE	FL-475	TANK S-69 HEADER	PCPI-324	L	>10%	(A) MONITORING
FLANGE	FL-476	TANK S-69 HEADER	PCPI-324	L	>10%	(A) MONITORING
FLANGE	FL-477	TANK S-70	PCPI-324	L	>10%	(A) MONITORING
FLANGE	FL-478	TANK S-70	PCPI-324	L	>10%	(A) MONITORING
FLANGE	FL-479	TANK S-70	PCPI-324	L	>10%	(A) MONITORING
FLANGE	FL-480	TANK S-70	PCPI-324	L	>10%	(A) MONITORING
FLANGE	FL-481	TANK S-70	PCPI-324	L	>10%	(A) MONITORING
FLANGE	FL-482	TANK S-70	PCPI-324	L	>10%	(A) MONITORING
FLANGE	FL-483	TANK S-70	PCPI-324	L	>10%	(A) MONITORING
FLANGE	FL-484	TANK S-70	PCPI-324	L	>10%	(A) MONITORING
FLANGE	FL-495	TANK S-70	PCPI-324	L	>10%	(A) MONITORING
FLANGE	FL-486	TANK S-70 LINE	PCPI-324	L	>10%	(A) MONITORING
FLANGE	FL-487	TANK S-70 LINE	PCPI-324	L	>10%	(A) MONITORING
FLANGE	FL-488	TANK S-70 LINE	PCPI-324	L	>10%	(A) MONITORING
FLANGE	FL-489	TANK S-70 HEADER	PCPI-324	L	>10%	(A) MONITORING
FLANGE	FL-490	TANK -70 LINE	PCPI-324	L	>10%	(A) MONITORING
FLANGE	FL-491	TANK S-70 HEADER	PCPI-325	L	>10%	(A) MONITORING
FLANGE	FL-492	TANK S-70 HEADER	PCPI-325	L	>10%	(A) MONITORING
FLANGE	FL-493	TANK S72	PCPI-325	L	>10%	(A) MONITORING
FLANGE	FL-494	TANK S72	PCPI-325	L	>10%	(A) MONITORING
FLANGE	FL-495	TANK S72	PCPI-325	L	>10%	(A) MONITORING
FLANGE	FL-496	TANK S72	PCPI-325	L	>10%	(A) MONITORING
FLANGE	FL-497	TANK S72	PCPI-325	L	>10%	(A) MONITORING
FLANGE	FL-498	TANK S72	PCPI-325	L	>10%	(A) MONITORING
FLANGE	FL-499	TANK S72	PCPI-325	L	>10%	(A) MONITORING
FLANGE	FL-500	TANK S-71 LINE	PCPI-325	L	>10%	(A) MONITORING
FLANGE	FL-501	TANK S-71	PCPI-325	L	>10%	(A) MONITORING
FLANGE	FL-502	TANK S-71	PCPI-325	L	>10%	(A) MONITORING
FLANGE	FL-503	TANK S-71 HEADER	PCPI-325	L	>10%	(A) MONITORING
FLANGE	FL-504	TANK S-71 HEADER	PCPI-325	L	>10%	(A) MONITORING

Equip. Type	Equip. Number	Equip.Location	Drawing Number	State of Waste	Percent Organic Content	Method of Compliance
FLANGE	FL-505	TANK S-72	PCPI-325	L	>10%	(A) MONITORING
FLANGE	FL-506	TANK S-72	PCPI-325	L	>10%	(A) MONITORING
FLANGE	FL-507	TANK S-72	PCPI-325	L	>10%	(A) MONITORING
FLANGE	FL-508	TANK S-72	PCPI-325	L	>10%	(A) MONITORING
FLANGE	FL-509	TANK S-72	PCPI-325	L	>10%	(A) MONITORING
FLANGE	FL-510	TANK S-72	PCPI-325	L	>10%	(A) MONITORING
FLANGE	FL-511	TANK S-72	PCPI-325	L	>10%	(A) MONITORING
FLANGE	FL-512	TANK S-72	PCPI-325	L	>10%	(A) MONITORING
FLANGE	FL-513	TANK S-72 LINE	PCPI-325	L	>10%	(A) MONITORING
FLANGE	FL-514	TANK S-72 LINE	PCPI-325	L	>10%	(A) MONITORING
FLANGE	FL-515	TANK S-72	PCPI-325	L	>10%	(A) MONITORING
FLANGE	FL-516	TANK S-72	PCPI-325	L	>10%	(A) MONITORING
FLANGE	FL-517	TANK S-72 HEADER	PCPI-325	L	>10%	(A) MONITORING
FLANGE	FL-518	TANK S-72 HEADER	PCPI-314A	L	>10%	(A) MONITORING
FLANGE	FL-1500	ON TANK 37	PCPI-589A	L	>10%	(A) MONITORING
FLANGE	FL-1501	ON TANK 37	PCPI-589A	L	>10%	(A) MONITORING
FLANGE	FL-1502	ON TANK 37	PCPI-589A	L	>10%	(A) MONITORING
FLANGE	FL-1503	ON TANK 37	PCPI-589A	L	>10%	(A) MONITORING
FLANGE	FL-1504	ON TANK 37	PCPI-589A	L	>10%	(A) MONITORING
FLANGE	FL-1505	ON TANK 37	PCPI-589A	L	>10%	(A) MONITORING
FLANGE	FL-1506	ON TANK 37	PCPI-589A	L	>10%	(A) MONITORING
FLANGE	FL-1507	ON TANK 37	PCPI-589A	L	>10%	(A) MONITORING
FLANGE	FL-1508	ON TANK 37	PCPI-589A	L	>10%	(A) MONITORING
FLANGE	FL-1509	ON TANK 37	PCPI-589A	L	>10%	(A) MONITORING
FLANGE	FL-1510	ON TANK 37	PCPI-589A	L	>10%	(A) MONITORING
FLANGE	FL-1511	ON TANK 37	PCPI-589A	L	>10%	(A) MONITORING
FLANGE	FL-1512	ON TANK 37	PCPI-589A	L	>10%	(A) MONITORING
FLANGE	FL-1513	ON TANK 37	PCPI-589A	L	>10%	(A) MONITORING
FLANGE	FL-1514	ON TANK 37	PCPI-589A	L	>10%	(A) MONITORING
FLANGE	FL-1515	ON TANK 37	PCPI-589A	L	>10%	(A) MONITORING
FLANGE	FL-1516	ON TANK 37	PCPI-589A	L	>10%	(A) MONITORING
FLANGE	FL-1517	ON TANK 37	PCPI-589A	L	>10%	(A) MONITORING
FLANGE	FL-1518	ON TANK 37	PCPI-589A	L	>10%	(A) MONITORING
FLANGE	FL-1519	ON TANK 37	PCPI-589A	L	>10%	(A) MONITORING
FLANGE	FL-1520	ON TANK 37	PCPI-589A	L	>10%	(A) MONITORING
FLANGE	FL-1521	ON TANK 37	PCPI-589A	L	>10%	(A) MONITORING
FLANGE	FL-1522	ON TANK 37	PCPI-589A	L	>10%	(A) MONITORING
FLANGE	FL-1523	ON TANK 37	PCPI-589A	L	>10%	(A) MONITORING
FLANGE	FL-1524	ON TANK 37	PCPI-589A	L	>10%	(A) MONITORING
FLANGE	FL-1525	ON TANK 37	PCPI-589A	L	>10%	(A) MONITORING
FLANGE	FL-1526	ON TANK 37	PCPI-589A	L	>10%	(A) MONITORING
FLANGE	FL-1527	ON TANK 37	PCPI-589A	L	>10%	(A) MONITORING
FLANGE	FL-1528	ON TANK 37	PCPI-589A	L	>10%	(A) MONITORING
FLANGE	FL-1529	ON TANK 37	PCPI-589A	L	>10%	(A) MONITORING
FLANGE	FL-1530	ON TANK 37	PCPI-589A	L	>10%	(A) MONITORING
FLANGE	FL-1531	ON TANK 37	PCPI-589A	L	>10%	(A) MONITORING
FLANGE	FL-1532	ON TANK 37	PCPI-589A	L	>10%	(A) MONITORING
FLANGE	FL-1533	ON TANK 37	PCPI-589A	L	>10%	(A) MONITORING
FLANGE	FL-1534	ON TANK 37	PCPI-589A	L	>10%	(A) MONITORING
FLANGE	FL-1535	ON TANK 37	PCPI-589A	L	>10%	(A) MONITORING
FLANGE	FL-1536	ON TANK 37	PCPI-589A	L	>10%	(A) MONITORING
FLANGE	FL-1537	ON TANK 37	PCPI-589A	L	>10%	(A) MONITORING
FLANGE	FL-1538	ON TANK 37	PCPI-589A	L	>10%	(A) MONITORING
FLANGE	FL-1539	ON TANK 37	PCPI-589A	L	>10%	(A) MONITORING

Equip. Type	Equip. Number	Equip.Location	Drawing Number	State of Waste	Percent Organic Content	Method of Compliance
FLANGE	FL-1540	ON TANK 37	PCPI-589A	L	>10%	(A) MONITORING
FLANGE	FL-1541	ON TANK 37	PCPI-589A	L	>10%	(A) MONITORING
FLANGE	FL-1542	ON TANK 37	PCPI-589A	L	>10%	(A) MONITORING
FLANGE	FL-1543	ON TANK 37	PCPI-589A	L	>10%	(A) MONITORING
FLANGE	FL-1544	ON TANK 36	PCPI-589A	L	>10%	(A) MONITORING
FLANGE	FL-1545	ON TANK 36	PCPI-589A	L	>10%	(A) MONITORING
FLANGE	FL-1546	ON TANK 36	PCPI-589A	L	>10%	(A) MONITORING
FLANGE	FL-1547	ON TANK 36	PCPI-589A	L	>10%	(A) MONITORING
FLANGE	FL-1548	ON TANK 36	PCPI-589A	L	>10%	(A) MONITORING
FLANGE	FL-1549	ON TANK 36	PCPI-589A	L	>10%	(A) MONITORING
FLANGE	FL-1550	ON TANK 36	PCPI-589A	L	>10%	(A) MONITORING
FLANGE	FL-1551	ON TANK 36	PCPI-589A	L	>10%	(A) MONITORING
FLANGE	FL-1552	ON TANK 36	PCPI-589A	L	>10%	(A) MONITORING
FLANGE	FL-1553	ON TANK 36	PCPI-589A	L	>10%	(A) MONITORING
FLANGE	FL-1554	ON TANK 36	PCPI-589A	L	>10%	(A) MONITORING
FLANGE	FL-1555	ON TANK 36	PCPI-589A	L	>10%	(A) MONITORING
FLANGE	FL-1556	ON TANK 36	PCPI-589A	L	>10%	(A) MONITORING
FLANGE	FL-1557	ON TANK 36	PCPI-589A	L	>10%	(A) MONITORING
FLANGE	FL-1558	ON TANK 36	PCPI-589A	L	>10%	(A) MONITORING
FLANGE	FL-1559	ON TANK 36	PCPI-589A	L	>10%	(A) MONITORING
FLANGE	FL-1560	ON TANK 36	PCPI-589A	L	>10%	(A) MONITORING
FLANGE	FL-1561	ON TANK 36	PCPI-589A	L	>10%	(A) MONITORING
FLANGE	FL-1562	ON TANK 36	PCPI-589A	L	>10%	(A) MONITORING
FLANGE	FL-1563	ON TANK 36	PCPI-589A	L	>10%	(A) MONITORING
FLANGE	FL-1564	ON TANK 36	PCPI-589A	L	>10%	(A) MONITORING
FLANGE	FL-1565	ON TANK 36	PCPI-589A	L	>10%	(A) MONITORING
FLANGE	FL-1566	ON TANK 36	PCPI-589A	L	>10%	(A) MONITORING
FLANGE	FL-1567	ON TANK 36	PCPI-589A	L	>10%	(A) MONITORING
FLANGE	FL-1568	ON TANK 36	PCPI-589A	L	>10%	(A) MONITORING
FLANGE	FL-1569	ON TANK 36	PCPI-589A	L	>10%	(A) MONITORING
FLANGE	FL-1570	ON TANK 36	PCPI-589A	L	>10%	(A) MONITORING
FLANGE	FL-1571	ON TANK 36	PCPI-589A	L	>10%	(A) MONITORING
FLANGE	FL-1572	ON TANK 36	PCPI-589A	L	>10%	(A) MONITORING
FLANGE	FL-1573	ON TANK 36	PCPI-589A	L	>10%	(A) MONITORING
FLANGE	FL-1574	ON TANK 36	PCPI-589A	L	>10%	(A) MONITORING
FLANGE	FL-1575	ON TANK 36	PCPI-589A	L	>10%	(A) MONITORING
FLANGE	FL-1576	ON TANK 36	PCPI-589A	L	>10%	(A) MONITORING
FLANGE	FL-1577	ON TANK 36	PCPI-589A	L	>10%	(A) MONITORING
FLANGE	FL-1578	ON TANK 36	PCPI-589A	L	>10%	(A) MONITORING
FLANGE	FL-1579	ON TANK 36	PCPI-589A	L	>10%	(A) MONITORING
FLANGE	FL-1580	ON TANK 36	PCPI-589A	L	>10%	(A) MONITORING
FLANGE	FL-1581	ON TANK 36	PCPI-589A	L	>10%	(A) MONITORING
FLANGE	FL-1582	ON TANK 36	PCPI-589A	L	>10%	(A) MONITORING
FLANGE	FL-1583	ON TANK 36	PCPI-589A	L	>10%	(A) MONITORING
FLANGE	FL-1584	ON TANK 36	PCPI-589A	L	>10%	(A) MONITORING
FLANGE	FL-1585	ON TANK 36	PCPI-589A	L	>10%	(A) MONITORING
FLANGE	FL-1586	ON TANK 36	PCPI-589A	L	>10%	(A) MONITORING
FLANGE	FL-1587	ON TANK 35	PCPI-589A	L	>10%	(A) MONITORING
FLANGE	FL-1588	ON TANK 35	PCPI-589A	L	>10%	(A) MONITORING
FLANGE	FL-1589	ON TANK 35	PCPI-589A	L	>10%	(A) MONITORING
FLANGE	FL-1590	ON TANK 35	PCPI-589A	L	>10%	(A) MONITORING
FLANGE	FL-1591	ON TANK 35	PCPI-589A	L	>10%	(A) MONITORING
FLANGE	FL-1592	ON TANK 35	PCPI-589A	L	>10%	(A) MONITORING
FLANGE	FL-1593	ON TANK 35	PCPI-589A	L	>10%	(A) MONITORING

Equip. Type	Equip. Number	Equip.Location	Drawing Number	State of Waste	Percent Organic Content	Method of Compliance
FLANGE	FL-1594	ON TANK 35	PCPI-589A	L	>10%	(A) MONITORING
FLANGE	FL-1595	ON TANK 35	PCPI-589A	L	>10%	(A) MONITORING
FLANGE	FL-1596	ON TANK 35	PCPI-589A	L	>10%	(A) MONITORING
FLANGE	FL-1597	ON TANK 35	PCPI-589A	L	>10%	(A) MONITORING
FLANGE	FL-1598	ON TANK 35	PCPI-589A	L	>10%	(A) MONITORING
FLANGE	FL-1599	ON TANK 35	PCPI-589A	L	>10%	(A) MONITORING
FLANGE	FL-1600	ON TANK 35	PCPI-589A	L	>10%	(A) MONITORING
FLANGE	FL-1601	ON TANK 35	PCPI-589A	L	>10%	(A) MONITORING
FLANGE	FL-1602	ON TANK 35	PCPI-589A	L	>10%	(A) MONITORING
FLANGE	FL-1603	ON TANK 35	PCPI-589A	L	>10%	(A) MONITORING
FLANGE	FL-1604	ON TANK 35	PCPI-589A	L	>10%	(A) MONITORING
FLANGE	FL-1605	ON TANK 35	PCPI-589A	L	>10%	(A) MONITORING
FLANGE	FL-1606	ON TANK 35	PCPI-589A	L	>10%	(A) MONITORING
FLANGE	FL-1607	ON TANK 35	PCPI-589A	L	>10%	(A) MONITORING
FLANGE	FL-1608	ON TANK 35	PCPI-589A	L	>10%	(A) MONITORING
FLANGE	FL-1609	ON TANK 35	PCPI-589A	L	>10%	(A) MONITORING
FLANGE	FL-1610	ON TANK 35	PCPI-589A	L	>10%	(A) MONITORING
FLANGE	FL-1611	ON TANK 35	PCPI-589A	L	>10%	(A) MONITORING
FLANGE	FL-1612	ON TANK 35	PCPI-589A	L	>10%	(A) MONITORING
FLANGE	FL-1613	ON TANK 35	PCPI-589A	L	>10%	(A) MONITORING
FLANGE	FL-1614	ON TANK 35	PCPI-589A	L	>10%	(A) MONITORING
FLANGE	FL-1615	ON TANK 35	PCPI-589A	L	>10%	(A) MONITORING
FLANGE	FL-1616	ON TANK 35	PCPI-589A	L	>10%	(A) MONITORING
FLANGE	FL-1617	ON TANK 35	PCPI-589A	L	>10%	(A) MONITORING
FLANGE	FL-1618	ON TANK 35	PCPI-589A	L	>10%	(A) MONITORING
FLANGE	FL-1619	ON TANK 35	PCPI-589A	L	>10%	(A) MONITORING
FLANGE	FL-1620	ON TANK 35	PCPI-589A	L	>10%	(A) MONITORING
FLANGE	FL-1621	ON TANK 35	PCPI-589A	L	>10%	(A) MONITORING
FLANGE	FL-1622	ON TANK 35	PCPI-589A	L	>10%	(A) MONITORING
FLANGE	FL-1623	ON TANK 35	PCPI-589A	L	>10%	(A) MONITORING
FLANGE	FL-1624	ON TANK 35	PCPI-589A	L	>10%	(A) MONITORING
FLANGE	FL-1625	ON TANK 35	PCPI-589A	L	>10%	(A) MONITORING
FLANGE	FL-1626	ON TANK 35	PCPI-589A	L	>10%	(A) MONITORING
FLANGE	FL-1627	ON TANK 35	PCPI-589A	L	>10%	(A) MONITORING
FLANGE	FL-1628	ON TANK 38	PCPI-589A	L	>10%	(A) MONITORING
FLANGE	FL-1629	ON TANK 38	PCPI-589A	L	>10%	(A) MONITORING
FLANGE	FL-1630	ON TANK 38	PCPI-589A	L	>10%	(A) MONITORING
FLANGE	FL-1631	ON TANK 38	PCPI-589A	L	>10%	(A) MONITORING
FLANGE	FL-1632	ON TANK 38	PCPI-589A	L	>10%	(A) MONITORING
FLANGE	FL-1633	ON TANK 38	PCPI-589A	L	>10%	(A) MONITORING
FLANGE	FL-1634	ON TANK 38	PCPI-589A	L	>10%	(A) MONITORING
FLANGE	FL-1635	ON TANK 38	PCPI-589A	L	>10%	(A) MONITORING
FLANGE	FL-1636	ON TANK 38	PCPI-589A	L	>10%	(A) MONITORING
FLANGE	FL-1637	ON TANK 38	PCPI-589A	L	>10%	(A) MONITORING
FLANGE	FL-1638	ON TANK 38	PCPI-589A	L	>10%	(A) MONITORING
FLANGE	FL-1639	ON TANK 38	PCPI-589A	L	>10%	(A) MONITORING
FLANGE	FL-1640	ON TANK 38	PCPI-589A	L	>10%	(A) MONITORING
FLANGE	FL-1641	ON TANK 38	PCPI-589A	L	>10%	(A) MONITORING
FLANGE	FL-1642	ON TANK 38	PCPI-589A	L	>10%	(A) MONITORING
FLANGE	FL-1643	ON TANK 38	PCPI-589A	L	>10%	(A) MONITORING
FLANGE	FL-1644	ON TANK 38	PCPI-589A	L	>10%	(A) MONITORING
FLANGE	FL-1645	ON TANK 38	PCPI-589A	L	>10%	(A) MONITORING
FLANGE	FL-1646	ON TANK 38	PCPI-589A	L	>10%	(A) MONITORING
FLANGE	FL-1647	ON TANK 38	PCPI-589A	L	>10%	(A) MONITORING

Equip. Type	Equip. Number	Equip.Location	Drawing Number	State of Waste	Percent Organic Content	Method of Compliance
FLANGE	FL-1648	ON TANK 38	PCPI-589A	L	>10%	(A) MONITORING
FLANGE	FL-1649	ON TANK 38	PCPI-589A	L	>10%	(A) MONITORING
FLANGE	FL-1650	ON TANK 38	PCPI-589A	L	>10%	(A) MONITORING
FLANGE	FL-1651	ON TANK 38	PCPI-589A	L	>10%	(A) MONITORING
FLANGE	FL-1652	ON TANK 38	PCPI-589A	L	>10%	(A) MONITORING
FLANGE	FL-1653	ON TANK 38	PCPI-589A	L	>10%	(A) MONITORING
FLANGE	FL-1654	ON TANK 38	PCPI-589A	L	>10%	(A) MONITORING
FLANGE	FL-1655	ON TANK 38	PCPI-589A	L	>10%	(A) MONITORING
FLANGE	FL-1656	ON TANK 38	PCPI-589A	L	>10%	(A) MONITORING
FLANGE	FL-1657	ON TANK 38	PCPI-589A	L	>10%	(A) MONITORING
FLANGE	FL-1658	ON TANK 38	PCPI-589A	L	>10%	(A) MONITORING
FLANGE	FL-1659	ON TANK 38	PCPI-589A	L	>10%	(A) MONITORING
FLANGE	FL-1660	ON TANK 38	PCPI-589A	L	>10%	(A) MONITORING
FLANGE	FL-1661	ON TANK 38	PCPI-589A	L	>10%	(A) MONITORING
FLANGE	FL-1662	ON TANK 38	PCPI-589A	L	>10%	(A) MONITORING
FLANGE	FL-1663	ON TANK 38	PCPI-589A	L	>10%	(A) MONITORING
FLANGE	FL-1664	ON TANK 38	PCPI-589A	L	>10%	(A) MONITORING
FLANGE	FL-1665	ON TANK 38	PCPI-589A	L	>10%	(A) MONITORING
FLANGE	FL-1666	ON TANK 38	PCPI-589A	L	>10%	(A) MONITORING
FLANGE	FL-1667	ON TANK 38	PCPI-589A	L	>10%	(A) MONITORING
FLANGE	FL-1668	ON TANK 38	PCPI-589A	L	>10%	(A) MONITORING
FLANGE	FL-1669	ON TANK 38	PCPI-589A	L	>10%	(A) MONITORING
FLANGE	FL-1670	ON TANK 38	PCPI-589A	L	>10%	(A) MONITORING
FLANGE	FL-1671	ON TANK 39	PCPI-589A	L	>10%	(A) MONITORING
FLANGE	FL-1672	ON TANK 39	PCPI-589A	L	>10%	(A) MONITORING
FLANGE	FL-1673	ON TANK 39	PCPI-589A	L	>10%	(A) MONITORING
FLANGE	FL-1674	ON TANK 39	PCPI-589A	L	>10%	(A) MONITORING
FLANGE	FL-1675	ON TANK 39	PCPI-589A	L	>10%	(A) MONITORING
FLANGE	FL-1676	ON TANK 39	PCPI-589A	L	>10%	(A) MONITORING
FLANGE	FL-1677	ON TANK 39	PCPI-589A	L	>10%	(A) MONITORING
FLANGE	FL-1678	ON TANK 39	PCPI-589A	L	>10%	(A) MONITORING
FLANGE	FL-1679	ON TANK 39	PCPI-589A	L	>10%	(A) MONITORING
FLANGE	FL-1680	ON TANK 39	PCPI-589A	L	>10%	(A) MONITORING
FLANGE	FL-1681	ON TANK 39	PCPI-589A	L	>10%	(A) MONITORING
FLANGE	FL-1682	ON TANK 39	PCPI-589A	L	>10%	(A) MONITORING
FLANGE	FL-1683	ON TANK 39	PCPI-589A	L	>10%	(A) MONITORING
FLANGE	FL-1684	ON TANK 39	PCPI-589A	L	>10%	(A) MONITORING
FLANGE	FL-1685	ON TANK 39	PCPI-589A	L	>10%	(A) MONITORING
FLANGE	FL-1686	ON TANK 39	PCPI-589A	L	>10%	(A) MONITORING
FLANGE	FL-1687	ON TANK 39	PCPI-589A	L	>10%	(A) MONITORING
FLANGE	FL-1688	ON TANK 39	PCPI-589A	L	>10%	(A) MONITORING
FLANGE	FL-1689	ON TANK 39	PCPI-589A	L	>10%	(A) MONITORING
FLANGE	FL-1690	ON TANK 39	PCPI-589A	L	>10%	(A) MONITORING
FLANGE	FL-1691	ON TANK 39	PCPI-589A	L	>10%	(A) MONITORING
FLANGE	FL-1692	ON TANK 39	PCPI-589A	L	>10%	(A) MONITORING
FLANGE	FL-1693	ON TANK 39	PCPI-589A	L	>10%	(A) MONITORING
FLANGE	FL-1694	ON TANK 39	PCPI-589A	L	>10%	(A) MONITORING
FLANGE	FL-1695	ON TANK 39	PCPI-589A	L	>10%	(A) MONITORING
FLANGE	FL-1696	ON TANK 39	PCPI-589A	L	>10%	(A) MONITORING
FLANGE	FL-1697	ON TANK 39	PCPI-589A	L	>10%	(A) MONITORING
FLANGE	FL-1698	ON TANK 39	PCPI-589A	L	>10%	(A) MONITORING
FLANGE	FL-1699	ON TANK 39	PCPI-589A	L	>10%	(A) MONITORING
FLANGE	FL-1700	ON TANK 39	PCPI-589A	L	>10%	(A) MONITORING
FLANGE	FL-1701	ON TANK 39	PCPI-589A	L	>10%	(A) MONITORING

Equip. Type	Equip. Number	Equip.Location	Drawing Number	State of Waste	Percent Organic Content	Method of Compliance
FLANGE	FL-1702	ON TANK 39	PCPI-589A	L	>10%	(A) MONITORING
FLANGE	FL-1703	ON TANK 39	PCPI-589A	L	>10%	(A) MONITORING
FLANGE	FL-1704	ON TANK 39	PCPI-589A	L	>10%	(A) MONITORING
FLANGE	FL-1705	ON TANK 39	PCPI-589A	L	>10%	(A) MONITORING
FLANGE	FL-1706	ON TANK 39	PCPI-589A	L	>10%	(A) MONITORING
FLANGE	FL-1707	ON TANK 39	PCPI-589A	L	>10%	(A) MONITORING
FLANGE	FL-1708	ON TANK 39	PCPI-589A	L	>10%	(A) MONITORING
FLANGE	FL-1709	ON TANK 39	PCPI-589A	L	>10%	(A) MONITORING
FLANGE	FL-1710	ON TANK 39	PCPI-589A	L	>10%	(A) MONITORING
FLANGE	FL-1711	ON TANK 39	PCPI-589A	L	>10%	(A) MONITORING
FLANGE	FL-1712	ON TANK 39	PCPI-589A	L	>10%	(A) MONITORING
FLANGE	FL-1713	ON TANK 39	PCPI-589A	L	>10%	(A) MONITORING
FLANGE	FL-1714	ON TANK 40	PCPI-589A	L	>10%	(A) MONITORING
FLANGE	FL-1715	ON TANK 40	PCPI-589A	L	>10%	(A) MONITORING
FLANGE	FL-1716	ON TANK 40	PCPI-589A	L	>10%	(A) MONITORING
FLANGE	FL-1717	ON TANK 40	PCPI-589A	L	>10%	(A) MONITORING
FLANGE	FL-1718	ON TANK 40	PCPI-589A	L	>10%	(A) MONITORING
FLANGE	FL-1719	ON TANK 40	PCPI-589A	L	>10%	(A) MONITORING
FLANGE	FL-1720	ON TANK 40	PCPI-589A	L	>10%	(A) MONITORING
FLANGE	FL-1721	ON TANK 40	PCPI-589A	L	>10%	(A) MONITORING
FLANGE	FL-1722	ON TANK 40	PCPI-589A	L	>10%	(A) MONITORING
FLANGE	FL-1723	ON TANK 40	PCPI-589A	L	>10%	(A) MONITORING
FLANGE	FL-1724	ON TANK 40	PCPI-589A	L	>10%	(A) MONITORING
FLANGE	FL-1725	ON TANK 40	PCPI-589A	L	>10%	(A) MONITORING
FLANGE	FL-1726	ON TANK 40	PCPI-589A	L	>10%	(A) MONITORING
FLANGE	FL-1727	ON TANK 40	PCPI-589A	L	>10%	(A) MONITORING
FLANGE	FL-1728	ON TANK 40	PCPI-589A	L	>10%	(A) MONITORING
FLANGE	FL-1729	ON TANK 40	PCPI-589A	L	>10%	(A) MONITORING
FLANGE	FL-1730	ON TANK 40	PCPI-589A	L	>10%	(A) MONITORING
FLANGE	FL-1731	ON TANK 40	PCPI-589A	L	>10%	(A) MONITORING
FLANGE	FL-1732	ON TANK 40	PCPI-589A	L	>10%	(A) MONITORING
FLANGE	FL-1733	ON TANK 40	PCPI-589A	L	>10%	(A) MONITORING
FLANGE	FL-1734	ON TANK 40	PCPI-589A	L	>10%	(A) MONITORING
FLANGE	FL-1735	ON TANK 40	PCPI-589A	L	>10%	(A) MONITORING
FLANGE	FL-1736	ON TANK 40	PCPI-589A	L	>10%	(A) MONITORING
FLANGE	FL-1737	ON TANK 40	PCPI-589A	L	>10%	(A) MONITORING
FLANGE	FL-1738	ON TANK 40	PCPI-589A	L	>10%	(A) MONITORING
FLANGE	FL-1739	ON TANK 40	PCPI-589A	L	>10%	(A) MONITORING
FLANGE	FL-1740	ON TANK 40	PCPI-589A	L	>10%	(A) MONITORING
FLANGE	FL-1741	ON TANK 40	PCPI-589A	L	>10%	(A) MONITORING
FLANGE	FL-1742	ON TANK 40	PCPI-589A	L	>10%	(A) MONITORING
FLANGE	FL-1743	ON TANK 40	PCPI-589A	L	>10%	(A) MONITORING
FLANGE	FL-1744	ON TANK 40	PCPI-589A	L	>10%	(A) MONITORING
FLANGE	FL-1745	ON TANK 40	PCPI-589A	L	>10%	(A) MONITORING
FLANGE	FL-1746	ON TANK 40	PCPI-589A	L	>10%	(A) MONITORING
FLANGE	FL-1747	ON TANK 40	PCPI-589A	L	>10%	(A) MONITORING
FLANGE	FL-1748	ON TANK 40	PCPI-589A	L	>10%	(A) MONITORING
FLANGE	FL-1749	ON TANK 40	PCPI-589A	L	>10%	(A) MONITORING
FLANGE	FL-1750	ON TANK 40	PCPI-589A	L	>10%	(A) MONITORING
FLANGE	FL-1751	ON TANK 40	PCPI-589A	L	>10%	(A) MONITORING
FLANGE	FL-1752	ON TANK 40	PCPI-589A	L	>10%	(A) MONITORING
FLANGE	FL-1753	ON TANK 40	PCPI-589A	L	>10%	(A) MONITORING
FLANGE	FL-1754	ON TANK 40	PCPI-589A	L	>10%	(A) MONITORING
FLANGE	FL-1765	HEADER SYSTEM	PCPI-589B	L	>10%	(A) MONITORING

Equip. Type	Equip. Number	Equip.Location	Drawing Number	State of Waste	Percent Organic Content	Method of Compliance
FLANGE	FL-1766	HEADER SYSTEM	PCPI-589B	L	>10%	(A) MONITORING
FLANGE	FL-1767	TRANSFER LINE	PCPI-589B	L	>10%	(A) MONITORING
FLANGE	FL-1768	TRANSFER LINE	PCPI-589B	L	>10%	(A) MONITORING
FLANGE	FL-1769	TRANSFER LINE	PCPI-589B	L	>10%	(A) MONITORING
FLANGE	FL-1770	TRANSFER LINE	PCPI-589B	L	>10%	(A) MONITORING
FLANGE	FL-1771	TRANSFER LINE	PCPI-589B	L	>10%	(A) MONITORING
FLANGE	FL-1772	TRANSFER LINE	PCPI-589B	L	>10%	(A) MONITORING
FLANGE	FL-1773	TRANSFER LINE	PCPI-589B	L	>10%	(A) MONITORING
FLANGE	FL-1774	FILTER BASKET(BOTTOM)	PCPI-589B	L	>10%	(A) MONITORING
FLANGE	FL-1775	FILTER BASKET(BOTTOM)	PCPI-589B	L	>10%	(A) MONITORING
FLANGE	FL-1776	FILTER BASKET(BOTTOM)	PCPI-589B	L	>10%	(A) MONITORING
FLANGE	FL-1777	FILTER BASKET(BOTTOM)	PCPI-589B	L	>10%	(A) MONITORING
FLANGE	FL-1778	FILTER BASKET(BOTTOM)	PCPI-589B	L	>10%	(A) MONITORING
FLANGE	FL-1779	FILTER BASKET(BOTTOM)	PCPI-589B	L	>10%	(A) MONITORING
FLANGE	FL-1780	FILTER BASKET(BOTTOM)	PCPI-589B	L	>10%	(A) MONITORING
FLANGE	FL-1781	FILTER BASKET(BOTTOM)	PCPI-589B	L	>10%	(A) MONITORING
FLANGE	FL-1782	FILTER BASKET(BOTTOM)	PCPI-589B	L	>10%	(A) MONITORING
FLANGE	FL-1783	FILTER BASKET (TOP)	PCPI-589B	L	>10%	(A) MONITORING
FLANGE	FL-1784	FILTER BASKET (TOP)	PCPI-589B	L	>10%	(A) MONITORING
FLANGE	FL-1785	FILTER BASKET (TOP)	PCPI-589B	L	>10%	(A) MONITORING
FLANGE	FL-1786	FILTER BASKET (TOP)	PCPI-589B	L	>10%	(A) MONITORING
FLANGE	FL-1787	FILTER BASKET (TOP)	PCPI-589B	L	>10%	(A) MONITORING
FLANGE	FL-1788	FILTER BASKET (TOP)	PCPI-589B	L	>10%	(A) MONITORING
FLANGE	FL-1789	FILTER BASKET (TOP)	PCPI-589B	L	>10%	(A) MONITORING
FLANGE	FL-1790	FILTER BASKET (TOP)	PCPI-589B	L	>10%	(A) MONITORING
FLANGE	FL-1791	FILTER BASKET (TOP)	PCPI-589B	L	>10%	(A) MONITORING
FLANGE	FL-1792	MOYNO	PCPI-589B	L	>10%	(A) MONITORING
FLANGE	FL-1793	MOYNO	PCPI-589B	L	>10%	(A) MONITORING
FLANGE	FL-1794	MOYNO	PCPI-589B	L	>10%	(A) MONITORING
FLANGE	FL-1795	TRANSFER LINE	PCPI-589B	L	>10%	(A) MONITORING
FLANGE	FL-1796	TRANSFER LINE	PCPI-589B	L	>10%	(A) MONITORING
FLANGE	FL-1797	TRANSFER LINE	PCPI-589B	L	>10%	(A) MONITORING
FLANGE	FL-1798	TRANSFER LINE	PCPI-589B	L	>10%	(A) MONITORING
FLANGE	FL-1799	TRANSFER LINE	PCPI-589B	L	>10%	(A) MONITORING
FLANGE	FL-1800	TRANSFER LINE	PCPI-589B	L	>10%	(A) MONITORING
FLANGE	FL-1801	TRANSFER LINE	PCPI-589B	L	>10%	(A) MONITORING
FLANGE	FL-1802	MOYNO	PCPI-589B	L	>10%	(A) MONITORING
FLANGE	FL-1803	PUMP 37	PCPI-589B	L	>10%	(A) MONITORING
FLANGE	FL-1804	PUMP 37	PCPI-589B	L	>10%	(A) MONITORING
FLANGE	FL-1805	PUMP 37	PCPI-589B	L	>10%	(A) MONITORING
FLANGE	FL-1806	PUMP 37	PCPI-589B	L	>10%	(A) MONITORING
FLANGE	FL-1807	PUMP 37	PCPI-589B	L	>10%	(A) MONITORING
FLANGE	FL-1808	MOYNO	PCPI-589B	L	>10%	(A) MONITORING
FLANGE	FL-1809	MOYNO	PCPI-589B	L	>10%	(A) MONITORING
FLANGE	FL-1810	MOYNO	PCPI-589B	L	>10%	(A) MONITORING
FLANGE	FL-1811	TRANSFER LINE	PCPI-589B	L	>10%	(A) MONITORING
FLANGE	FL-1812	TRANSFER LINE	PCPI-589B	L	>10%	(A) MONITORING
FLANGE	FL-1813	TRANSFER LINE	PCPI-589B	L	>10%	(A) MONITORING
FLANGE	FL-1814	TRANSFER LINE	PCPI-589B	L	>10%	(A) MONITORING
FLANGE	FL-1815	TRANSFER LINE	PCPI-589B	L	>10%	(A) MONITORING
FLANGE	FL-1816	TRANSFER LINE	PCPI-589B	L	>10%	(A) MONITORING
FLANGE	FL-1817	TRANSFER LINE	PCPI-589B	L	>10%	(A) MONITORING
FLANGE	FL-1818	MOYNO	PCPI-589B	L	>10%	(A) MONITORING
FLANGE	FL-1819	MOYNO	PCPI-589B	L	>10%	(A) MONITORING

Equip. Type	Equip. Number	Equip.Location	Drawing Number	State of Waste	Percent Organic Content	Method of Compliance
FLANGE	FL-1820	MOYNO	PCPI-589B	L	>10%	(A) MONITORING
FLANGE	FL-1821	HEADER SYSTEM	PCPI-589B	L	>10%	(A) MONITORING
FLANGE	FL-1822	HEADER SYSTEM	PCPI-589B	L	>10%	(A) MONITORING
FLANGE	FL-1823	HEADER SYSTEM	PCPI-589B	L	>10%	(A) MONITORING
FLANGE	FL-1824	HEADER SYSTEM	PCPI-589B	L	>10%	(A) MONITORING
FLANGE	FL-1825	TRANSFER LINE	PCPI-589B	L	>10%	(A) MONITORING
FLANGE	FL-1826	TRANSFER LINE	PCPI-589B	L	>10%	(A) MONITORING
FLANGE	FL-1827	TRANSFER LINE	PCPI-589B	L	>10%	(A) MONITORING
FLANGE	FL-1828	TRANSFER LINE	PCPI-589B	L	>10%	(A) MONITORING
FLANGE	FL-1829	TRANSFER LINE	PCPI-589B	L	>10%	(A) MONITORING
FLANGE	FL-1830	FILTER BASKET(BOTTOM)	PCPI-589B	L	>10%	(A) MONITORING
FLANGE	FL-1831	FILTER BASKET(BOTTOM)	PCPI-589B	L	>10%	(A) MONITORING
FLANGE	FL-1832	FILTER BASKET(BOTTOM)	PCPI-589B	L	>10%	(A) MONITORING
FLANGE	FL-1833	FILTER BASKET(BOTTOM)	PCPI-589B	L	>10%	(A) MONITORING
FLANGE	FL-1834	FILTER BASKET(BOTTOM)	PCPI-589B	L	>10%	(A) MONITORING
FLANGE	FL-1835	FILTER BASKET(BOTTOM)	PCPI-589B	L	>10%	(A) MONITORING
FLANGE	FL-1836	FILTER BASKET(BOTTOM)	PCPI-589B	L	>10%	(A) MONITORING
FLANGE	FL-1837	FILTER BASKET(BOTTOM)	PCPI-589B	L	>10%	(A) MONITORING
FLANGE	FL-1838	FILTER BASKET(BOTTOM)	PCPI-589B	L	>10%	(A) MONITORING
FLANGE	FL-1839	FILTER BASKET (TOP)	PCPI-589B	L	>10%	(A) MONITORING
FLANGE	FL-1840	FILTER BASKET (TOP)	PCPI-589B	L	>10%	(A) MONITORING
FLANGE	FL-1841	FILTER BASKET (TOP)	PCPI-589B	L	>10%	(A) MONITORING
FLANGE	FL-1842	FILTER BASKET (TOP)	PCPI-589B	L	>10%	(A) MONITORING
FLANGE	FL-1843	FILTER BASKET (TOP)	PCPI-589B	L	>10%	(A) MONITORING
FLANGE	FL-1844	FILTER BASKET (TOP)	PCPI-589B	L	>10%	(A) MONITORING
FLANGE	FL-1845	FILTER BASKET (TOP)	PCPI-589B	L	>10%	(A) MONITORING
FLANGE	FL-1846	FILTER BASKET (TOP)	PCPI-589B	L	>10%	(A) MONITORING
FLANGE	FL-1847	FILTER BASKET (TOP)	PCPI-589B	L	>10%	(A) MONITORING
FLANGE	FL-1848	MOYNO	PCPI-589B	L	>10%	(A) MONITORING
FLANGE	FL-1849	MOYNO	PCPI-589B	L	>10%	(A) MONITORING
FLANGE	FL-1850	MOYNO	PCPI-589B	L	>10%	(A) MONITORING
FLANGE	FL-1851	TRANSFER LINE	PCPI-589B	L	>10%	(A) MONITORING
FLANGE	FL-1852	TRANSFER LINE	PCPI-589B	L	>10%	(A) MONITORING
FLANGE	FL-1853	TRANSFER LINE	PCPI-589B	L	>10%	(A) MONITORING
FLANGE	FL-1854	TRANSFER LINE	PCPI-589B	L	>10%	(A) MONITORING
FLANGE	FL-1855	TRANSFER LINE	PCPI-589B	L	>10%	(A) MONITORING
FLANGE	FL-1856	TRANSFER LINE	PCPI-589B	L	>10%	(A) MONITORING
FLANGE	FL-1857	TRANSFER LINE	PCPI-589B	L	>10%	(A) MONITORING
FLANGE	FL-1858	MOYNO	PCPI-589B	L	>10%	(A) MONITORING
FLANGE	FL-1859	MOYNO	PCPI-589B	L	>10%	(A) MONITORING
FLANGE	FL-1860	MOYNO	PCPI-589B	L	>10%	(A) MONITORING
FLANGE	FL-1861	PUMP 38	PCPI-589B	L	>10%	(A) MONITORING
FLANGE	FL-1862	PUMP 38	PCPI-589B	L	>10%	(A) MONITORING
FLANGE	FL-1863	PUMP 39	PCPI-589B	L	>10%	(A) MONITORING
FLANGE	FL-1864	PUMP 38	PCPI-589B	L	>10%	(A) MONITORING
FLANGE	FL-1865	PUMP 38	PCPI-589B	L	>10%	(A) MONITORING
FLANGE	FL-1866	PUMP 38	PCPI-589B	L	>10%	(A) MONITORING
FLANGE	FL-1867	PUMP 38	PCPI-589B	L	>10%	(A) MONITORING
FLANGE	FL-1868	PUMP 38	PCPI-589B	L	>10%	(A) MONITORING
FLANGE	FL-1869	TRANSFER LINE	PCPI-589B	L	>10%	(A) MONITORING
FLANGE	FL-1870	TRANSFER LINE	PCPI-589B	L	>10%	(A) MONITORING
FLANGE	FL-1871	PUMP 39	PCPI-589B	L	>10%	(A) MONITORING
FLANGE	FL-1872	PUMP 39	PCPI-589B	L	>10%	(A) MONITORING
FLANGE	FL-1873	PUMP 39	PCPI-589B	L	>10%	(A) MONITORING

Equip. Type	Equip. Number	Equip.Location	Drawing Number	State of Waste	Percent Organic Content	Method of Compliance
FLANGE	FL-1874	MOYNO	PCPI-589B	L	>10%	(A) MONITORING
FLANGE	FL-1875	MOYNO	PCPI-589B	L	>10%	(A) MONITORING
FLANGE	FL-1876	MOYNO	PCPI-589B	L	>10%	(A) MONITORING
FLANGE	FL-1877	MOYNO	PCPI-589B	L	>10%	(A) MONITORING
FLANGE	FL-1878	MOYNO	PCPI-589B	L	>10%	(A) MONITORING
FLANGE	FL-1879	TRANSFER LINE	PCPI-589B	L	>10%	(A) MONITORING
FLANGE	FL-1880	TRANSFER LINE	PCPI-589B	L	>10%	(A) MONITORING
FLANGE	FL-1881	TRANSFER LINE	PCPI-589B	L	>10%	(A) MONITORING
FLANGE	FL-1882	TRANSFER LINE	PCPI-589B	L	>10%	(A) MONITORING
FLANGE	FL-1883	TRANSFER LINE	PCPI-589B	L	>10%	(A) MONITORING
FLANGE	FL-1884	TRANSFER LINE	PCPI-589B	L	>10%	(A) MONITORING
FLANGE	FL-1885	TRANSFER LINE	PCPI-589B	L	>10%	(A) MONITORING
FLANGE	FL-1886	MOYNO	PCPI-589B	L	>10%	(A) MONITORING
FLANGE	FL-1887	MOYNO	PCPI-589B	L	>10%	(A) MONITORING
FLANGE	FL-1888	MOYNO	PCPI-589B	L	>10%	(A) MONITORING
FLANGE	FL-1889	HEADER SYSTEM	PCPI-589B	L	>10%	(A) MONITORING
FLANGE	FL-1890	HEADER SYSTEM	PCPI-589B	L	>10%	(A) MONITORING
FLANGE	FL-1900	BLEND TANKS	PCPI-338	L	>10%	(A) MONITORING
FLANGE	FL-1901	BLEND TANKS	PCPI-338	L	>10%	(A) MONITORING
FLANGE	FL-1902	BLEND TANKS	PCPI-338	L	>10%	(A) MONITORING
FLANGE	FL-1903	BLEND TANKS	PCPI-338	L	>10%	(A) MONITORING
FLANGE	FL-1904	BLEND TANKS	PCPI-338	L	>10%	(A) MONITORING
FLANGE	FL-1905	BLEND TANKS	PCPI-338	L	>10%	(A) MONITORING
FLANGE	FL-1906	BLEND TANKS	PCPI-338	L	>10%	(A) MONITORING
FLANGE	FL-1907	FILTER BASKET	PCPI-338	L	>10%	(A) MONITORING
FLANGE	FL-1908	FILTER BASKET	PCPI-338	L	>10%	(A) MONITORING
FLANGE	FL-1909	FILTER BASKET	PCPI-338	L	>10%	(A) MONITORING
FLANGE	FL-1910	FILTER BASKET	PCPI-338	L	>10%	(A) MONITORING
FLANGE	FL-1911	FILTER BASKET	PCPI-338	L	>10%	(A) MONITORING
FLANGE	FL-1912	FILTER BASKET	PCPI-338	L	>10%	(A) MONITORING
FLANGE	FL-1913	FILTER BASKET	PCPI-338	L	>10%	(A) MONITORING
FLANGE	FL-1914	FILTER BASKET	PCPI-338	L	>10%	(A) MONITORING
FLANGE	FL-1915	FILTER BASKET	PCPI-338	L	>10%	(A) MONITORING
FLANGE	FL-1916	FILTER BASKET	PCPI-338	L	>10%	(A) MONITORING
FLANGE	FL-1917	FILTER BASKET	PCPI-338	L	>10%	(A) MONITORING
FLANGE	FL-1918	TRANSFER LINE	PCPI-338	L	>10%	(A) MONITORING
FLANGE	FL-1919	TRANSFER LINE	PCPI-338	L	>10%	(A) MONITORING
FLANGE	FL-1920	PUMP 43	PCPI-338	L	>10%	(A) MONITORING
FLANGE	FL-1921	PUMP 43	PCPI-338	L	>10%	(A) MONITORING
FLANGE	FL-1922	PUMP 43	PCPI-338	L	>10%	(A) MONITORING
FLANGE	FL-1923	PUMP 43	PCPI-338	L	>10%	(A) MONITORING
FLANGE	FL-1924	PUMP 43	PCPI-338	L	>10%	(A) MONITORING
FLANGE	FL-1925	PUMP 43	PCPI-338	L	>10%	(A) MONITORING
FLANGE	FL-1926	PUMP 43	PCPI-338	L	>10%	(A) MONITORING
FLANGE	FL-1927	PUMP 43	PCPI-338	L	>10%	(A) MONITORING
FLANGE	FL-1928	TRANSFER LINE	PCPI-338	L	>10%	(A) MONITORING
FLANGE	FL-1929	TRANSFER LINE	PCPI-338	L	>10%	(A) MONITORING
FLANGE	FL-1930	TRANSFER LINE	PCPI-338	L	>10%	(A) MONITORING
FLANGE	FL-1931	TRANSFER LINE	PCPI-338	L	>10%	(A) MONITORING
FLANGE	FL-1932	TRANSFER LINE	PCPI-338	L	>10%	(A) MONITORING
FLANGE	FL-1933	TRANSFER LINE	PCPI-338	L	>10%	(A) MONITORING
FLANGE	FL-1934	TRANSFER LINE	PCPI-338	L	>10%	(A) MONITORING
FLANGE	FL-1935	TRANSFER LINE	PCPI-338	L	>10%	(A) MONITORING
FLANGE	FL-1936	TRANSFER LINE	PCPI-338	L	>10%	(A) MONITORING

Equip. Type	Equip. Number	Equip.Location	Drawing Number	State of Waste	Percent Organic Content	Method of Compliance
FLANGE	FL-1937	TRANSFER LINE	PCPI-338	L	>10%	(A) MONITORING
FLANGE	FL-1938	TRANSFER LINE	PCPI-338	L	>10%	(A) MONITORING
FLANGE	FL-1939	TRANSFER LINE	PCPI-338	L	>10%	(A) MONITORING
FLANGE	FL-1940	TRANSFER LINE	PCPI-338	L	>10%	(A) MONITORING
FLANGE	FL-1941	TRANSFER LINE	PCPI-338	L	>10%	(A) MONITORING
FLANGE	FL-1942	PUMP 42	PCPI-338	L	>10%	(A) MONITORING
FLANGE	FL-1943	PUMP 42	PCPI-338	L	>10%	(A) MONITORING
FLANGE	FL-1944	PUMP 42	PCPI-338	L	>10%	(A) MONITORING
FLANGE	FL-1945	PUMP 42	PCPI-338	L	>10%	(A) MONITORING
FLANGE	FL-1946	PUMP 42	PCPI-338	L	>10%	(A) MONITORING
FLANGE	FL-1947	PUMP 42	PCPI-338	L	>10%	(A) MONITORING
FLANGE	FL-1948	TRANSFER LINE	PCPI-338	L	>10%	(A) MONITORING
FLANGE	FL-1949	TRANSFER LINE	PCPI-338	L	>10%	(A) MONITORING
FLANGE	FL-1950	TRANSFER LINE	PCPI-338	L	>10%	(A) MONITORING
FLANGE	FL-1951	TRANSFER LINE	PCPI-338	L	>10%	(A) MONITORING
FLANGE	FL-1952	TRANSFER LINE	PCPI-338	L	>10%	(A) MONITORING
FLANGE	FL-1953	TRANSFER LINE	PCPI-338	L	>10%	(A) MONITORING
FLANGE	FL-1954	HEADER SYSTEM	PCPI-338	L	>10%	(A) MONITORING
FLANGE	FL-1955	HEADER SYSTEM	PCPI-338	L	>10%	(A) MONITORING
FLANGE	FL-1956	HEADER SYSTEM	PCPI-338	L	>10%	(A) MONITORING
FLANGE	FL-1957	HEADER SYSTEM	PCPI-338	L	>10%	(A) MONITORING
FLANGE	FL-1958	TRANSFER LINE	PCPI-338	L	>10%	(A) MONITORING
FLANGE	FL-1959	TRANSFER LINE	PCPI-338	L	>10%	(A) MONITORING
FLANGE	FL-1960	HEADER SYSTEM	PCPI-338	L	>10%	(A) MONITORING
FLANGE	FL-1961	HEADER SYSTEM	PCPI-338	L	>10%	(A) MONITORING
FLANGE	FL-1962	FLOW METER	PCPI-338	L	>10%	(A) MONITORING
FLANGE	FL-1963	FLOW METER	PCPI-338	L	>10%	(A) MONITORING
FLANGE	FL-1964	FLOW METER	PCPI-338	L	>10%	(A) MONITORING
FLANGE	FL-1965	TRANSFER LINE	PCPI-338	L	>10%	(A) MONITORING
FLANGE	FL-1966	TRANSFER LINE	PCPI-338	L	>10%	(A) MONITORING
FLANGE	FL-1967	TRANSFER LINE	PCPI-338	L	>10%	(A) MONITORING
FLANGE	FL-1968	TO TANK 37	PCPI-338	L	>10%	(A) MONITORING
FLANGE	FL-1969	TO TANK 37	PCPI-338	L	>10%	(A) MONITORING
FLANGE	FL-1970	TRANSFER LINE	PCPI-338	L	>10%	(A) MONITORING
FLANGE	FL-1971	TRANSFER LINE	PCPI-338	L	>10%	(A) MONITORING
FLANGE	FL-1972	TRANSFER LINE	PCPI-338	L	>10%	(A) MONITORING
FLANGE	FL-1973	TRANSFER LINE	PCPI-338	L	>10%	(A) MONITORING
FLANGE	FL-1974	TRANSFER LINE	PCPI-338	L	>10%	(A) MONITORING
FLANGE	FL-1975	FLOW METER	PCPI-338	L	>10%	(A) MONITORING
FLANGE	FL-1976	FLOW METER	PCPI-338	L	>10%	(A) MONITORING
FLANGE	FL-1977	FLOW METER	PCPI-338	L	>10%	(A) MONITORING
FLANGE	FL-1978	FLOW METER	PCPI-338	L	>10%	(A) MONITORING
FLANGE	FL-1979	TRANSFER LINE	PCPI-338	L	>10%	(A) MONITORING
FLANGE	FL-1980	TRANSFER LINE	PCPI-338	L	>10%	(A) MONITORING
FLANGE	FL-1981	TRANSFER LINE	PCPI-338	L	>10%	(A) MONITORING
FLANGE	FL-1982	TRANSFER LINE	PCPI-338	L	>10%	(A) MONITORING
FLANGE	FL-1983	TRANSFER LINE	PCPI-338	L	>10%	(A) MONITORING
FLANGE	FL-1984	TRANSFER LINE	PCPI-338	L	>10%	(A) MONITORING
FLANGE	FL-1985	INTO SUPER BLEND	PCPI-338	L	>10%	(A) MONITORING
FLANGE	FL-1986	INTO SUPER BLEND	PCPI-338	L	>10%	(A) MONITORING
FLANGE	FL-1987	INTO SUPER BLEND	PCPI-338	L	>10%	(A) MONITORING
FLANGE	FL-1988	INTO SUPER BLEND	PCPI-338	L	>10%	(A) MONITORING
FLANGE	FL-1989	INTO SUPER BLEND	PCPI-338	L	>10%	(A) MONITORING
FLANGE	FL-1990	INTO SUPER BLEND	PCPI-338	L	>10%	(A) MONITORING

Equip. Type	Equip. Number	Equip.Location	Drawing Number	State of Waste	Percent Organic Content	Method of Compliance
FLANGE	FL-1991	INTO SUPER BLEND	PCPI-338	L	>10%	(A) MONITORING
FLANGE	FL-1992	FROM SUPER BLEND	PCPI-338	L	>10%	(A) MONITORING
FLANGE	FL-1993	FROM SUPER BLEND	PCPI-338	L	>10%	(A) MONITORING
FLANGE	FL-1994	FROM SUPER BLEND	PCPI-338	L	>10%	(A) MONITORING
FLANGE	FL-1995	EXTRA	PCPI-338	L	>10%	(A) MONITORING
FLANGE	FL-1996	EXTRA	PCPI-338	L	>10%	(A) MONITORING
FLANGE	FL-1997	TO TANK 38	PCPI-338	L	>10%	(A) MONITORING
FLANGE	FL-1998	TO TANK 38	PCPI-338	L	>10%	(A) MONITORING
FLANGE	FL-1999	TRANSFER LINE	PCPI-338	L	>10%	(A) MONITORING
FLANGE	FL-2000	TRANSFER LINE	PCPI-338	L	>10%	(A) MONITORING
FLANGE	FL-2001	HEADER SYSTEM	PCPI-338	L	>10%	(A) MONITORING
FLANGE	FL-2002	PUMP 41	PCPI-338	L	>10%	(A) MONITORING
FLANGE	FL-2003	PUMP 41	PCPI-338	L	>10%	(A) MONITORING
FLANGE	FL-2004	PUMP 41	PCPI-338	L	>10%	(A) MONITORING
FLANGE	FL-2005	PUMP 41	PCPI-338	L	>10%	(A) MONITORING
FLANGE	FL-2006	PUMP 41	PCPI-338	L	>10%	(A) MONITORING
FLANGE	FL-2007	FLOW METER	PCPI-338	L	>10%	(A) MONITORING
FLANGE	FL-2008	FLOW METER	PCPI-338	L	>10%	(A) MONITORING
FLANGE	FL-2009	FLOW METER	PCPI-338	L	>10%	(A) MONITORING
FLANGE	FL-2010	FLOW METER	PCPI-338	L	>10%	(A) MONITORING
FLANGE	FL-2011	FLOW METER	PCPI-338	L	>10%	(A) MONITORING
FLANGE	FL-2012	FLOW METER	PCPI-338	L	>10%	(A) MONITORING
FLANGE	FL-2013	FLOW METER	PCPI-338	L	>10%	(A) MONITORING
FLANGE	FL-2014	FLOW METER	PCPI-338	L	>10%	(A) MONITORING
FLANGE	FL-2015	FLOW METER	PCPI-338	L	>10%	(A) MONITORING
FLANGE	FL-2016	FLOW METER	PCPI-338	L	>10%	(A) MONITORING
FLANGE	FL-2017	EXTRA	PCPI-338	L	>10%	(A) MONITORING
FLANGE	FL-2018	EXTRA	PCPI-338	L	>10%	(A) MONITORING
FLANGE	FL-2019	EXTRA	PCPI-338	L	>10%	(A) MONITORING
FLANGE	FL-2020	TO TANK 37	PCPI-338	L	>10%	(A) MONITORING
FLANGE	FL-2021	TO TANK 37	PCPI-338	L	>10%	(A) MONITORING
FLANGE	FL-2022	TO TANK 37	PCPI-338	L	>10%	(A) MONITORING
FLANGE	FL-2023	TO TANK 37	PCPI-338	L	>10%	(A) MONITORING
FLANGE	FL-2024	TO TANK 37	PCPI-338	L	>10%	(A) MONITORING
FLANGE	FL-2025	TO TANK 37	PCPI-338	L	>10%	(A) MONITORING
FLANGE	FL-2026	TRANSFER LINE	PCPI-338	L	>10%	(A) MONITORING
FLANGE	FL-2027	TRANSFER LINE	PCPI-338	L	>10%	(A) MONITORING
FLANGE	FL-2028	TRANSFER LINE	PCPI-338	L	>10%	(A) MONITORING
FLANGE	FL-2029	TRANSFER LINE	PCPI-338	L	>10%	(A) MONITORING
FLANGE	FL-2030	TRANSFER LINE	PCPI-338	L	>10%	(A) MONITORING
FLANGE	FL-2031	TRANSFER LINE	PCPI-338	L	>10%	(A) MONITORING
FLANGE	FL-2032	TRANSFER LINE	PCPI-338	L	>10%	(A) MONITORING
FLANGE	FL-2033	TRANSFER LINE	PCPI-338	L	>10%	(A) MONITORING
FLANGE	FL-2034	TRANSFER LINE	PCPI-338	L	>10%	(A) MONITORING
FLANGE	FL-2035	TRANSFER LINE	PCPI-338	L	>10%	(A) MONITORING
FLANGE	FL-2036	TRANSFER LINE	PCPI-338	L	>10%	(A) MONITORING
FLANGE	FL-2037	TRANSFER LINE	PCPI-338	L	>10%	(A) MONITORING
FLANGE	FL-2038	TO SUPER BLEND	PCPI-338	L	>10%	(A) MONITORING
FLANGE	FL-2039	TO SUPER BLEND	PCPI-338	L	>10%	(A) MONITORING
FLANGE	FL-2040	TO SUPER BLEND	PCPI-338	L	>10%	(A) MONITORING
FLANGE	FL-2041	TO SUPER BLEND	PCPI-338	L	>10%	(A) MONITORING
FLANGE	FL-2042	TO SUPER BLEND	PCPI-338	L	>10%	(A) MONITORING
FLANGE	FL-2043	TRANSFER LINE	PCPI-338	L	>10%	(A) MONITORING
FLANGE	FL-2044	TRANSFER LINE	PCPI-338	L	>10%	(A) MONITORING

Equip. Type	Equip. Number	Equip.Location	Drawing Number	State of Waste	Percent Organic Content	Method of Compliance
FLANGE	FL-2045	TRANSFER LINE	PCPI-338	L	>10%	(A) MONITORING
FLANGE	FL-2046	TRANSFER LINE	PCPI-338	L	>10%	(A) MONITORING
FLANGE	FL-2047	TRANSFER LINE	PCPI-338	L	>10%	(A) MONITORING
FLANGE	FL-2048	TRANSFER LINE	PCPI-338	L	>10%	(A) MONITORING
OPEN VALVE	OV-001	TANK 16	PCPI-314	L	>10%	KEEP CLOSED
OPEN VALVE	OV-002	TANK 17	PCPI-314	L	>10%	KEEP CLOSED
OPEN VALVE	OV-003	TANK 18	PCPI-314	L	>10%	KEEP CLOSED
OPEN VALVE	OV-004	TANK 19	PCPI-314	L	>10%	KEEP CLOSED
OPEN VALVE	OV-005	TANK 20	PCPI-314	L	>10%	KEEP CLOSED
OPEN VALVE	OV-006	TANK 21	PCPI-315	L	>10%	KEEP CLOSED
OPEN VALVE	OV-007	TANK 22	PCPI-315	L	>10%	KEEP CLOSED
OPEN VALVE	OV-008	TANK 23	PCPI-315	L	>10%	KEEP CLOSED
OPEN VALVE	OV-009	TANK 24	PCPI-315	L	>10%	KEEP CLOSED
OPEN VALVE	OV-010	TANK 25	PCPI-315	L	>10%	KEEP CLOSED
OPEN VALVE	OV-011	TANK 26	PCPI-316	L	>10%	KEEP CLOSED
OPEN VALVE	OV-012	TANK 27	PCPI-316	L	>10%	KEEP CLOSED
OPEN VALVE	OV-013	TANK 28	PCPI-316	L	>10%	KEEP CLOSED
OPEN VALVE	OV-014	TANK 29	PCPI-316	L	>10%	KEEP CLOSED
OPEN VALVE	OV-015	TANK 30	PCPI-316	L	>10%	KEEP CLOSED

Appendix IV

Monitoring Logs

DIFFICULT TO MONITOR EQUIPMENT		
Equipment ID Number	**Location**	**Reason**
BV-640	header system	Out of reach
PVV-47a	Tank -35	Need man lift
PVV-48a	Tank -36	Need man lift
PVV-49a	Tank -37	Need man lift
PVV-50a	Tank -38	Need man lift
PVV-51a	Tank -39	Need man lift
PVV-52a	Tank -40	Need man lift
OPW-47b	Tank -35	Need man lift
OPW-48b	Tank -36	Need man lift
OPW-49b	Tank -37	Need man lift
OPW-50b	Tank -38	Need man lift
OPW-51b	Tank -39	Need man lift
OPW-52b	Tank -40	Need man lift

Emissions Standards Inspection Form 1
Monthly Pump Inspection Sheet

Month/Year_____
Inspector's Name:_____
Monitoring Equipment: MiniRae Plus -Model PGM-76IS Hazardous Waste Analyzer

Equip. Number	Equip. Location	Drawing Number	Inspection Date	Inspection Time	Monitor Reading (ppm)	Back-ground	MRF# Issue Date	MRF Completion Date	Comments
P-017	TS1 TRANSFER PAD	PCPI-315							
P-018	TS1 TRANSFER PAD	PCPI-315							
P-019	TS1 TRANSFER PAD	PCPI-316							
P-020	TS1 TRANSFER PAD	PCPI-316							
P-037	TS2 TRANSFER PAD	PCPI-589B							
P-038	TS2 TRANSFER PAD	PCPI-589B							
P-1	CMB PUMP ROOM	M-1							
P-2	CMB PUMP ROOM	M-1							
P-3	CMB PUMP ROOM	M-1							
P-4	CMB PUMP ROOM	M-1							
P-7	CMB TANK FARM	M-1							
P-8	CMB TANK FARM	M-1							

Annual Flange Monitoring Sheet

Month/Year: _____

Inspector's Name: _____

Calibration Complete: ____Y ____N Data:_____

Equip. No.	Equipment Location	Drawing Number	Inspection Date	Time of Inspection	Monitoring Reading	Back-ground	MFR Issue Date	MFR Completion Date	Comments
FL-463	TANK S-69	PCPI-324							
FL-464	TANK S-69	PCPI-324							
FL-465	TANK S-69	PCPI-324							
FL-466	TANK S-69	PCPI-324							
FL-467	TANK S-69	PCPI-324							
FL-468	TANK S-69	PCPI-324							
FL-469	TANK S-69	PCPI-324							
FL-470	TANK S-69	PCPI-324							
FL-471	TANK S-69	PCPI-324							
FL-472	TANK S-69	PCPI-324							
FL-473	TANK S-69 LINE	PCPI-324							
FL-474	TANK S-69 LINE	PCPI-324							
FL-475	TANK S-69 HEADER	PCPI-324							
FL-476	TANK S-69 HEADER	PCPI-324							
FL-477	TANK S-70	PCPI-324							
FL-478	TANK S-70	PCPI-324							
FL-479	TANK S-70	PCPI-324							
FL-480	TANK S-70	PCPI-324							
FL-481	TANK S-70	PCPI-324							
FL-482	TANK S-70	PCPI-324							
FL-483	TANK S-70	PCPI-324							

Equip. No.	Equipment Location	Drawing Number	Inspection Date	Time of Inspection	Monitoring Reading	Back-ground	MFR Issue Date	MFR Completion Date	Comments
FL-484	TANK S-70	PCPI-324							
FL-495	TANK S-70	PCPI-324							
FL-486	TANK S-70 LINE	PCPI-324							
FL-487	TANK S-70 LINE	PCPI-324							
FL-488	TANK S-70 LINE	PCPI-324							
FL-489	TANK S-70 HEADER	PCPI-324							
FL-490	TANK S-70 LINE	PCPI-324							
FL-491	TANK S-70 HEADER	PCPI-325							
FL-492	TANK S-70 HEADER	PCPI-325							
FL-493	TANK S72	PCPI-325							
FL-494	TANK S72	PCPI-325							
FL-495	TANK S72	PCPI-325							
FL-496	TANK S72	PCPI-325							
FL-497	TANK S72	PCPI-325							
FL-498	TANK S72	PCPI-325							
FL-499	TANK S72	PCPI-325							
FL-500	TANK S-71 LINE	PCPI-325							
FL-501	TANK S-71	PCPI-325							
FL-502	TANK S-71	PCPI-325							
FL-503	TANK S-71 HEADER	PCPI-325							
FL-504	TANK S-71 HEADER	PCPI-325							
FL-505	TANK S-72	PCPI-325							
FL-506	TANK S-72	PCPI-325							
FL-507	TANK S-72	PCPI-325							
FL-508	TANK S-72	PCPI-325							
FL-509	TANK S-72	PCPI-325							

Equip. No.	Equipment Location	Drawing Number	Inspection Date	Time of Inspection	Monitoring Reading	Back-ground	MFR Issue Date	MFR Completion Date	Comments
FL-510	TANK S-72	PCPI-325							
FL-511	TANK S-72	PCPI-325							
FL-512	TANK S-72	PCPI-325							
FL-513	TANK S-72 LINE	PCPI-325							
FL-514	TANK S-72 LINE	PCPI-325							
FL-515	TANK S-72	PCPI-325							
FL-516	TANK S-72	PCPI-325							
FL-517	TANK S-72 HEADER	PCPI-325							
FL-518	TANK S-72 HEADER	PCPI-325							
FL-530	TANK 16	PCPI-314A							
FL-531	TANK 16	PCPI-314A							
FL-532	TANK 16	PCPI-314A							
FL-533	TANK 16	PCPI-314A							
FL-534	TANK 16	PCPI-314A							
FL-535	TANK 16	PCPI-314A							
FL-536	TANK 16	PCPI-314A							
FL-537	TANK 16	PCPI-314A							
FL-538	TANK 16	PCPI-314A							
FL-539	TANK 16	PCPI-314A							
FL-540	TANK 16	PCPI-314A							
FL-541	TANK 16	PCPI-314A							
FL-542	TANK 16	PCPI-314A							
FL-543	TANK 16	PCPI-314A							
FL-545	TANK 16	PCPI-314A							
FL-546	TANK 16	PCPI-314A							
FL-547	TANK 16	PCPI-314A							

Equip. No.	Equipment Location	Drawing Number	Inspection Date	Time of Inspection	Monitoring Reading	Back-ground	MFR Issue Date	MFR Completion Date	Comments
FL-548	TANK 16	PCPI-314A							
FL-549	TANK 16	PCPI-314A							
FL-550	TANK 16	PCPI-314A							
FL-551	TANK 16	PCPI-314A							
FL-552	TANK 16	PCPI-314A							
FL-553	TANK 16	PCPI-314A							
FL-554	TANK 16	PCPI-314A							
FL-555	TANK 16	PCPI-314A							
FL-556	TANK 16	PCPI-314A							
FL-557	TANK 16	PCPI-314A							
FL-558	TANK 16	PCPI-314A							
FL-559	TANK 16	PCPI-314A							
FL-560	TANK 16	PCPI-314A							
FL-561	TANK 17	PCPI-314A							
FL-562	TANK 17	PCPI-314A							
FL-563	TANK 17	PCPI-314A							
FL-564	TANK 17	PCPI-314A							
FL-565	TANK 17	PCPI-314A							
FL-566	TANK 17	PCPI-314A							
FL-567	TANK 17	PCPI-314A							
FL-568	TANK 17	PCPI-314A							
FL-569	TANK 17	PCPI-314A							
FL-570	TANK 17	PCPI-314A							

Equip. No.	Equipment Location	Drawing Number	Inspection Date	Time of Inspection	Monitoring Reading	Back-ground	MFR Issue Date	MFR Completion Date	Comments
FL-571	TANK 17	PCPI-314A							
FL-572	TANK 17	PCPI-314A							
FL-573	TANK 17	PCPI-314A							
FL-574	TANK 17	PCPI-314A							
FL-575	TANK 17	PCPI-314A							
FL-576	TANK 17	PCPI-314A							
FL-577	TANK 17	PCPI-314A							
FL-578	TANK 17	PCPI-314A							
FL-579	TANK 17	PCPI-314A							
FL-580	TANK 17	PCPI-314A							
FL-581	TANK 17	PCPI-314A							
FL-582	TANK 17	PCPI-314A							
FL-583	TANK 17	PCPI-314A							
FL-584	TANK 17	PCPI-314A							
FL-585	TANK 17	PCPI-314A							
FL-586	TANK 17	PCPI-314A							
FL-587	TANK 17	PCPI-314A							
FL-588	TANK 17	PCPI-314A							
FL-589	TANK 18	PCPI-314A							
FL-590	TANK 18	PCPI-314A							
FL-591	TANK 18	PCPI-314A							
FL-592	TANK 18	PCPI-314A							
FL-593	TANK 18	PCPI-314A							
FL-594	TANK 18	PCPI-314A							
FL-595	TANK 18	PCPI-314A							
FL-596	TANK 18	PCPI-314A							

Equip. No.	Equipment Location	Drawing Number	Inspection Date	Time of Inspection	Monitoring Reading	Back-ground	MFR Issue Date	MFR Completion Date	Comments
FL-597	TANK 18	PCPI-314A							
FL-598	TANK 18	PCPI-314A							
FL-599	TANK 18	PCPI-314A							
FL-600	TANK 18	PCPI-314A							
FL-601	TANK 18	PCPI-314A							
FL-602	TANK 18	PCPI-314A							
FL-603	TANK 18	PCPI-314A							
FL-604	TANK 18	PCPI-314A							
FL-605	TANK 18	PCPI-314A							
FL-606	TANK 18	PCPI-314A							
FL-607	TANK 18	PCPI-314A							
FL-608	TANK 18	PCPI-314A							
FL-609	TANK 18	PCPI-314A							
FL-610	TANK 18	PCPI-314A							
FL-611	TANK 18	PCPI-314A							
FL-612	TANK 18	PCPI-314A							
FL-613	TANK 18	PCPI-314A							
FL-614	TANK 18	PCPI-314A							
FL-615	TANK 18	PCPI-314A							
FL-616	TANK 18	PCPI-314A							
FL-617	TANK 18	PCPI-314A							
FL-618	TANK 18	PCPI-314A							
FL-619	TANK 18	PCPI-314A							
FL-620	TANK 18	PCPI-314A							
FL-621	TANK 18	PCPI-314A							
FL-622	TANK 18	PCPI-314A							

Equip. No.	Equipment Location	Drawing Number	Inspection Date	Time of Inspection	Monitoring Reading	Back-ground	MFR Issue Date	MFR Completion Date	Comments
FL-623	TANK 18	PCPI-314A							
FL-624	TANK 18	PCPI-314A							
FL-625	TANK 18	PCPI-314A							
FL-626	TANK 18	PCPI-314A							
FL-627	TANK 19	PCPI-314A							
FL-628	TANK 19	PCPI-314A							
FL-629	TANK 19	PCPI-314A							
FL-630	TANK 19	PCPI-314A							
FL-631	TANK 19	PCPI-314A							
FL-632	TANK 19	PCPI-314A							
FL-633	TANK 19	PCPI-314A							
FL-634	TANK 19	PCPI-314A							
FL-635	TANK 19	PCPI-314A							
FL-636	TANK 19	PCPI-314A							
FL-637	TANK 19	PCPI-314A							
FL-638	TANK 19	PCPI-314A							
FL-639	TANK 19	PCPI-314A							
FL-640	TANK 19	PCPI-314A							
FL-641	TANK 19	PCPI-314A							
FL-642	TANK 19	PCPI-314A							
FL-643	TANK 19	PCPI-314A							
FL-644	TANK 19	PCPI-314A							
FL-645	TANK 19	PCPI-314A							
FL-646	TANK 19	PCPI-314A							
FL-647	TANK 19	PCPI-314A							

Equip. No.	Equipment Location	Drawing Number	Inspection Date	Time of Inspection	Monitoring Reading	Back-ground	MFR Issue Date	MFR Completion Date	Comments
FL-648	TANK 19	PCPI-314A							
FL-649	TANK 19	PCPI-314A							
FL-650	TANK 19	PCPI-314A							
FL-651	TANK 19	PCPI-314A							
FL-652	TANK 19	PCPI-314A							
FL-653	TANK 19	PCPI-314A							
FL-654	TANK 19	PCPI-314A							
FL-655	TANK 19	PCPI-314A							
FL-656	TANK 19	PCPI-314A							
FL-657	TANK 19	PCPI-314A							
FL-658	TANK 19	PCPI-314A							
FL-659	TANK 19	PCPI-314A							
FL-660	TANK 19	PCPI-314A							
FL-661	TANK 19	PCPI-314A							
FL-662	TANK 19	PCPI-314A							
FL-663	TANK 20	PCPI-314A							
FL-664	TANK 20	PCPI-314A							
FL-665	TANK 20	PCPI-314A							
FL-666	TANK 20	PCPI-314A							
FL-667	TANK 20	PCPI-314A							
FL-668	TANK 20	PCPI-314A							
FL-669	TANK 20	PCPI-314A							
FL-670	TANK 20	PCPI-314A							
FL-671	TANK 20	PCPI-314A							
FL-672	TANK 20	PCPI-314A							
FL-673	TANK 20	PCPI-314A							

Equip. No.	Equipment Location	Drawing Number	Inspection Date	Time of Inspection	Monitoring Reading	Back-ground	MFR Issue Date	MFR Completion Date	Comments
FL-674	TANK 20	PCPI-314A							
FL-675	TANK 20	PCPI-314A							
FL-676	TANK 20	PCPI-314A							
FL-677	TANK 20	PCPI-314A							
FL-678	TANK 20	PCPI-314A							
FL-679	TANK 20	PCPI-314A							
FL-680	TANK 20	PCPI-314A							
FL-681	TANK 20	PCPI-314A							
FL-682	TANK 20	PCPI-314A							
FL-683	TANK 20	PCPI-314A							
FL-684	TANK 20	PCPI-314A							
FL-685	TANK 20	PCPI-314A							
FL-686	TANK 20	PCPI-314A							
FL-687	TANK 20	PCPI-314A							
FL-688	TANK 20	PCPI-314A							
FL-689	TANK 20	PCPI-314A							
FL-690	TANK 20	PCPI-314A							
FL-691	TANK 20	PCPI-314A							
FL-692	TANK 20	PCPI-314A							
FL-693	TANK 20	PCPI-314A							
FL-694	TANK 20	PCPI-314A							
FL-695	TANK 20	PCPI-314A							
FL-696	TANK 20	PCPI-314A							
FL-697	TANK 20	PCPI-314A							
FL-698	TANK 20	PCPI-314A							
FL-699	TANK 20	PCPI-314A							

Equip. No.	Equipment Location	Drawing Number	Inspection Date	Time of Inspection	Monitoring Reading	Back-ground	MFR Issue Date	MFR Completion Date	Comments
FL-700	TANK 20	PCPI-314A							
FL-701	TANK 20	PCPI-314A							
FL-702	TANK 20	PCPI-314A							
FL-703	TANK 20	PCPI-314A							
FL-704	TANK 20	PCPI-314A							
FL-705	TANK 20	PCPI-314A							
FL-706	TANK 20	PCPI-314A							
FL-707	TANK 21	PCPI-314B							
FL-708	TANK 21	PCPI-314B							
FL-709	TANK 21	PCPI-314B							
FL-710	TANK 21	PCPI-314B							
FL-711	TANK 21	PCPI-314B							
FL-712	TANK 21	PCPI-314B							
FL-713	TANK 21	PCPI-314B							
FL-714	TANK 21	PCPI-314B							
FL-715	TANK 21	PCPI-314B							
FL-716	TANK 21	PCPI-314B							
FL-717	TANK 21	PCPI-314B							
FL-718	TANK 21	PCPI-314B							
FL-719	TANK 21	PCPI-314B							
FL-720	TANK 21	PCPI-314B							
FL-721	TANK 21	PCPI-314B							
FL-722	TANK 21	PCPI-314B							
FL-723	TANK 21	PCPI-314B							
FL-724	TANK 21	PCPI-314B							
FL-725	TANK 21	PCPI-314B							

Equip. No.	Equipment Location	Drawing Number	Inspection Date	Time of Inspection	Monitoring Reading	Back-ground	MFR Issue Date	MFR Completion Date	Comments
FL-726	TANK 21	PCPI-314B							
FL-727	TANK 21	PCPI-314B							
FL-728	TANK 21	PCPI-314B							
FL-729	TANK 21	PCPI-314B							
FL-730	TANK 21	PCPI-314B							
FL-731	TANK 21	PCPI-314B							
FL-732	TANK 21	PCPI-314B							
FL-733	TANK 21	PCPI-314B							
FL-734	TANK 21	PCPI-314B							
FL-735	TANK 21	PCPI-314B							
FL-736	TANK 21	PCPI-314B							
FL-737	TANK 22	PCPI-314B							
FL-738	TANK 22	PCPI-314B							
FL-739	TANK 22	PCPI-314B							
FL-740	TANK 22	PCPI-314B							
FL-741	TANK 22	PCPI-314B							
FL-742	TANK 22	PCPI-314B							
FL-743	TANK 22	PCPI-314B							
FL-744	TANK 22	PCPI-314B							
FL-745	TANK 22	PCPI-314B							
FL-746	TANK 22	PCPI-314B							
FL-747	TANK 22	PCPI-314B							
FL-748	TANK 22	PCPI-314B							
FL-749	TANK 22	PCPI-314B							
FL-750	TANK 22	PCPI-314B							
FL-751	TANK 22	PCPI-314B							

Equip. No.	Equipment Location	Drawing Number	Inspection Date	Time of Inspection	Monitoring Reading	Back-ground	MFR Issue Date	MFR Completion Date	Comments
FL-752	TANK 22	PCPI-314B							
FL-753	TANK 22	PCPI-314B							
FL-754	TANK 22	PCPI-314B							
FL-755	TANK 22	PCPI-314B							
FL-756	TANK 22	PCPI-314B							
FL-757	TANK 22	PCPI-314B							
FL-758	TANK 22	PCPI-314B							
FL-759	TANK 22	PCPI-314B							
FL-760	TANK 22	PCPI-314B							
FL-761	TANK 22	PCPI-314B							
FL-762	TANK 22	PCPI-314B							
FL-763	TANK 22	PCPI-314B							
FL-764	TANK 22	PCPI-314B							
FL-765	TANK 22	PCPI-314B							
FL-766	TANK 22	PCPI-314B							
FL-767	TANK 22	PCPI-314B							
FL-768	TANK 22	PCPI-314B							
FL-769	TANK 22	PCPI-314B							
FL-770	TANK 22	PCPI-314B							
FL-771	TANK 23	PCPI-314B							
FL-772	TANK 23	PCPI-314B							
FL-773	TANK 23	PCPI-314B							
FL-774	TANK 23	PCPI-314B							
FL-775	TANK 23	PCPI-314B							
FL-776	TANK 23	PCPI-314B							
FL-777	TANK 23	PCPI-314B							

Equip. No.	Equipment Location	Drawing Number	Inspection Date	Time of Inspection	Monitoring Reading	Back-ground	MFR Issue Date	MFR Completion Date	Comments
FL-778	TANK 23	PCPI-314B							
FL-779	TANK 23	PCPI-314B							
FL-780	TANK 23	PCPI-314B							
FL-781	TANK 23	PCPI-314B							
FL-782	TANK 23	PCPI-314B							
FL-783	TANK 23	PCPI-314B							
FL-784	TANK 23	PCPI-314B							
FL-785	TANK 23	PCPI-314B							
FL-786	TANK 23	PCPI-314B							
FL-787	TANK 23	PCPI-314B							
FL-788	TANK 23	PCPI-314B							
FL-789	TANK 23	PCPI-314B							
FL-790	TANK 23	PCPI-314B							
FL-791	TANK 23	PCPI-314B							
FL-792	TANK 23	PCPI-314B							
FL-793	TANK 23	PCPI-314B							
FL-794	TANK 23	PCPI-314B							
FL-795	TANK 23	PCPI-314B							
FL-796	TANK 23	PCPI-314B							
FL-797	TANK 23	PCPI-314B							
FL-798	TANK 23	PCPI-314B							
FL-799	TANK 23	PCPI-314B							
FL-800	TANK 23	PCPI-314B							
FL-801	TANK 23	PCPI-314B							
FL-802	TANK 23	PCPI-314B							
FL-803	TANK 23	PCPI-314B							

Equip. No.	Equipment Location	Drawing Number	Inspection Date	Time of Inspection	Monitoring Reading	Back-ground	MFR Issue Date	MFR Completion Date	Comments
FL-804	TANK 23	PCPI-314B							
FL-805	TANK 23	PCPI-314B							
FL-806	TANK 23	PCPI-314B							
FL-807	TANK 23	PCPI-314B							
FL-808	TANK 23	PCPI-314B							
FL-809	TANK 23	PCPI-314B							
FL-810	TANK 23	PCPI-314B							
FL-811	TANK 24	PCPI-314B							
FL-812	TANK 24	PCPI-314B							
FL-813	TANK 24	PCPI-314B							
FL-814	TANK 24	PCPI-314B							
FL-815	TANK 24	PCPI-314B							
FL-816	TANK 24	PCPI-314B							
FL-817	TANK 24	PCPI-314B							
FL-818	TANK 24	PCPI-314B							
FL-819	TANK 24	PCPI-314B							
FL-820	TANK 24	PCPI-314B							
FL-821	TANK 24	PCPI-314B							
FL-822	TANK 24	PCPI-314B							
FL-823	TANK 24	PCPI-314B							
FL-824	TANK 24	PCPI-314B							
FL-825	TANK 24	PCPI-314B							
FL-826	TANK 24	PCPI-314B							
FL-827	TANK 24	PCPI-314B							
FL-828	TANK 24	PCPI-314B							
FL-829	TANK 24	PCPI-314B							

Equip. No.	Equipment Location	Drawing Number	Inspection Date	Time of Inspection	Monitoring Reading	Back-ground	MFR Issue Date	MFR Completion Date	Comments
FL-830	TANK 24	PCPI-314B							
FL-831	TANK 24	PCPI-314B							
FL-832	TANK 24	PCPI-314B							
FL-833	TANK 24	PCPI-314B							
FL-834	TANK 24	PCPI-314B							
FL-835	TANK 24	PCPI-314B							
FL-836	TANK 24	PCPI-314B							
FL-837	TANK 24	PCPI-314B							
FL-838	TANK 24	PCPI-314B							
FL-839	TANK 24	PCPI-314B							
FL-840	TANK 24	PCPI-314B							
FL-841	TANK 24	PCPI-314B							
FL-842	TANK 24	PCPI-314B							
FL-843	TANK 24	PCPI-314B							
FL-844	TANK 24	PCPI-314B							
FL-845	TANK 24	PCPI-314B							
FL-846	TANK 24	PCPI-314B							
FL-847	TANK 24	PCPI-314B							
FL-848	TANK 24	PCPI-314B							
FL-849	TANK 24	PCPI-314B							
FL-850	TANK 24	PCPI-314B							
FL-851	TANK 25	PCPI-314B							
FL-852	TANK 25	PCPI-314B							
FL-853	TANK 25	PCPI-314B							
FL-854	TANK 25	PCPI-314B							
FL-855	TANK 25	PCPI-314B							

Equip. No.	Equipment Location	Drawing Number	Inspection Date	Time of Inspection	Monitoring Reading	Back-ground	MFR Issue Date	MFR Completion Date	Comments
FL-856	TANK 25	PCPI-314B							
FL-857	TANK 25	PCPI-314B							
FL-858	TANK 25	PCPI-314B							
FL-859	TANK 25	PCPI-314B							
FL-860	TANK 25	PCPI-314B							
FL-861	TANK 25	PCPI-314B							
FL-862	TANK 25	PCPI-314B							
FL-863	TANK 25	PCPI-314B							
FL-864	TANK 25	PCPI-314B							
FL-865	TANK 25	PCPI-314B							
FL-866	TANK 25	PCPI-314B							
FL-867	TANK 25	PCPI-314B							
FL-868	TANK 25	PCPI-314B							
FL-869	TANK 25	PCPI-314B							
FL-870	TANK 25	PCPI-314B							
FL-871	TANK 25	PCPI-314B							
FL-872	TANK 25	PCPI-314B							
FL-873	TANK 25	PCPI-314B							
FL-874	TANK 25	PCPI-314B							
FL-875	TANK 25	PCPI-314B							
FL-876	TANK 25	PCPI-314B							
FL-877	TANK 25	PCPI-314B							
FL-878	TANK 25	PCPI-314B							
FL-879	TANK 25	PCPI-314B							
FL-880	TANK 25	PCPI-314B							
FL-881	TANK 25	PCPI-314B							

Equip. No.	Equipment Location	Drawing Number	Inspection Date	Time of Inspection	Monitoring Reading	Back-ground	MFR Issue Date	MFR Completion Date	Comments
FL-882	TANK 25	PCPI-314B							
FL-883	TANK 25	PCPI-314B							
FL-884	TANK 25	PCPI-314B							
FL-885	TANK 25	PCPI-314B							
FL-886	TANK 25	PCPI-314B							
FL-887	TANK 25	PCPI-314B							
FL-888	TANK 25	PCPI-314B							
FL-889	TANK 25	PCPI-314B							
FL-890	TANK 25	PCPI-314B							
FL-891	TANK 25	PCPI-314B							
FL-892	TANK 25	PCPI-314B							
FL-893	TANK 25	PCPI-314B							
FL-894	TANK 25	PCPI-314B							
FL-895	TANK 25	PCPI-314B							
FL-896	TANK 25	PCPI-314B							
FL-897	TANK 25	PCPI-314B							
FL-898	TANK 25	PCPI-314B							
FL-899	TANK 25	PCPI-314B							
FL-900	TANK 25	PCPI-314B							
FL-901	TANK 25	PCPI-314B							
FL-902	TANK 25	PCPI-314B							
FL-903	TANK 25	PCPI-314B							
FL-904	TANK 25	PCPI-314B							
FL-905	TANK 25	PCPI-314B							
FL-906	TANK 25	PCPI-314B							
FL-907	TANK 25	PCPI-314B							

Equip. No.	Equipment Location	Drawing Number	Inspection Date	Time of Inspection	Monitoring Reading	Back-ground	MFR Issue Date	MFR Completion Date	Comments
FL-908	TANK 26	PCPI-314C							
FL-909	TANK 26	PCPI-314C							
FL-910	TANK 26	PCPI-314C							
FL-911	TANK 26	PCPI-314C							
FL-912	TANK 26	PCPI-314C							
FL-913	TANK 26	PCPI-314C							
FL-914	TANK 26	PCPI-314C							
FL-915	TANK 26	PCPI-314C							
FL-916	TANK 26	PCPI-314C							
FL-917	TANK 26	PCPI-314C							
FL-918	TANK 26	PCPI-314C							
FL-919	TANK 26	PCPI-314C							
FL-920	TANK 26	PCPI-314C							
FL-921	TANK 26	PCPI-314C							
FL-922	TANK 26	PCPI-314C							
FL-923	TANK 26	PCPI-314C							
FL-924	TANK 26	PCPI-314C							
FL-925	TANK 26	PCPI-314C							
FL-926	TANK 26	PCPI-314C							
FL-927	TANK 26	PCPI-314C							
FL-928	TANK 26	PCPI-314C							
FL-929	TANK 26	PCPI-314C							
FL-930	TANK 26	PCPI-314C							
FL-931	TANK 26	PCPI-314C							
FL-932	TANK 26	PCPI-314C							
FL-933	TANK 26	PCPI-314C							

Equip. No.	Equipment Location	Drawing Number	Inspection Date	Time of Inspection	Monitoring Reading	Back-ground	MFR Issue Date	MFR Completion Date	Comments
FL-934	TANK 26	PCPI-314C							
FL-935	TANK 26	PCPI-314C							
FL-936	TANK 26	PCPI-314C							
FL-937	TANK 26	PCPI-314C							
FL-938	TANK 26	PCPI-314C							
FL-939	TANK 26	PCPI-314C							
FL-940	TANK 26	PCPI-314C							
FL-941	TANK 27	PCPI-314C							
FL-942	TANK 27	PCPI-314C							
FL-943	TANK 27	PCPI-314C							
FL-944	TANK 27	PCPI-314C							
FL-945	TANK 27	PCPI-314C							
FL-946	TANK 27	PCPI-314C							
FL-947	TANK 27	PCPI-314C							
FL-948	TANK 27	PCPI-314C							
FL-949	TANK 27	PCPI-314C							
FL-950	TANK 27	PCPI-314C							
FL-951	TANK 27	PCPI-314C							
FL-952	TANK 27	PCPI-314C							
FL-953	TANK 27	PCPI-314C							
FL-954	TANK 27	PCPI-314C							
FL-955	TANK 27	PCPI-314C							
FL-956	TANK 27	PCPI-314C							
FL-957	TANK 27	PCPI-314C							
FL-958	TANK 27	PCPI-314C							
FL-959	TANK 27	PCPI-314C							

Equip. No.	Equipment Location	Drawing Number	Inspection Date	Time of Inspection	Monitoring Reading	Back-ground	MFR Issue Date	MFR Completion Date	Comments
FL-960	TANK 27	PCPI-314C							
FL-961	TANK 27	PCPI-314C							
FL-962	TANK 27	PCPI-314C							
FL-963	TANK 27	PCPI-314C							
FL-964	TANK 27	PCPI-314C							
FL-965	TANK 27	PCPI-314C							
FL-966	TANK 27	PCPI-314C							
FL-967	TANK 27	PCPI-314C							
FL-968	TANK 27	PCPI-314C							
FL-969	TANK 27	PCPI-314C							
FL-970	TANK 27	PCPI-314C							
FL-971	TANK 27	PCPI-314C							
FL-972	TANK 27	PCPI-314C							
FL-973	TANK 27	PCPI-314C							
FL-974	TANK 28	PCPI-314C							
FL-975	TANK 28	PCPI-314C							
FL-976	TANK 28	PCPI-314C							
FL-977	TANK 28	PCPI-314C							
FL-978	TANK 28	PCPI-314C							
FL-979	TANK 28	PCPI-314C							
FL-980	TANK 28	PCPI-314C							
FL-981	TANK 28	PCPI-314C							
FL-982	TANK 28	PCPI-314C							
FL-983	TANK 28	PCPI-314C							
FL-984	TANK 28	PCPI-314C							
FL-985	TANK 28	PCPI-314C							

Equip. No.	Equipment Location	Drawing Number	Inspection Date	Time of Inspection	Monitoring Reading	Back-ground	MFR Issue Date	MFR Completion Date	Comments
FL-986	TANK 28	PCPI-314C							
FL-987	TANK 28	PCPI-314C							
FL-988	TANK 28	PCPI-314C							
FL-989	TANK 28	PCPI-314C							
FL-990	TANK 28	PCPI-314C							
FL-991	TANK 28	PCPI-314C							
FL-992	TANK 28	PCPI-314C							
FL-993	TANK 28	PCPI-314C							
FL-994	TANK 28	PCPI-314C							
FL-995	TANK 28	PCPI-314C							
FL-996	TANK 28	PCPI-314C							
FL-997	TANK 28	PCPI-314C							
FL-998	TANK 28	PCPI-314C							
FL-999	TANK 28	PCPI-314C							
FL-1000	TANK 28	PCPI-314C							
FL-1001	TANK 28	PCPI-314C							
FL-1002	TANK 28	PCPI-314C							
FL-1003	TANK 28	PCPI-314C							
FL-1004	TANK 28	PCPI-314C							
FL-1005	TANK 28	PCPI-314C							
FL-1006	TANK 28	PCPI-314C							
FL-1007	TANK 28	PCPI-314C							
FL-1008	TANK 28	PCPI-314C							
FL-1009	TANK 28	PCPI-314C							
FL-1010	TANK 28	PCPI-314C							
FL-1011	TANK 28	PCPI-314C							

Equip. No.	Equipment Location	Drawing Number	Inspection Date	Time of Inspection	Monitoring Reading	Back-ground	MFR Issue Date	MFR Completion Date	Comments
FL-1012	TANK 28	PCPI-314C							
FL-1013	TANK 28	PCPI-314C							
FL-1014	TANK 29	PCPI-314C							
FL-1015	TANK 29	PCPI-314C							
FL-1016	TANK 29	PCPI-314C							
FL-1017	TANK 29	PCPI-314C							
FL-1018	TANK 29	PCPI-314C							
FL-1019	TANK 29	PCPI-314C							
FL-1020	TANK 29	PCPI-314C							
FL-1021	TANK 29	PCPI-314C							
FL-1022	TANK 29	PCPI-314C							
FL-1023	TANK 29	PCPI-314C							
FL-1024	TANK 29	PCPI-314C							
FL-1025	TANK 29	PCPI-314C							
FL-1026	TANK 29	PCPI-314C							
FL-1027	TANK 29	PCPI-314C							
FL-1028	TANK 29	PCPI-314C							
FL-1029	TANK 29	PCPI-314C							
FL-1030	TANK 29	PCPI-314C							
FL-1031	TANK 29	PCPI-314C							
FL-1032	TANK 29	PCPI-314C							
FL-1033	TANK 29	PCPI-314C							
FL-1034	TANK 29	PCPI-314C							
FL-1035	TANK 29	PCPI-314C							
FL-1036	TANK 29	PCPI-314C							
FL-1037	TANK 29	PCPI-314C							

Equip. No.	Equipment Location	Drawing Number	Inspection Date	Time of Inspection	Monitoring Reading	Back-ground	MFR Issue Date	MFR Completion Date	Comments
FL-1038	TANK 29	PCPI-314C							
FL-1039	TANK 29	PCPI-314C							
FL-1040	TANK 29	PCPI-314C							
FL-1041	TANK 29	PCPI-314C							
FL-1042	TANK 29	PCPI-314C							
FL-1043	TANK 29	PCPI-314C							
FL-1044	TANK 29	PCPI-314C							
FL-1045	TANK 29	PCPI-314C							
FL-1046	TANK 29	PCPI-314C							
FL-1047	TANK 29	PCPI-314C							
FL-1048	TANK 29	PCPI-314C							
FL-1049	TANK 29	PCPI-314C							
FL-1051	TANK 29	PCPI-314C							
FL-1052	TANK 29	PCPI-314C							
FL-1053	TANK 29	PCPI-314C							
FL-1054	TANK 29	PCPI-314C							
FL-1055	TANK 29	PCPI-314C							
FL-1056	TANK 30	PCPI-314C							
FL-1057	TANK 30	PCPI-314C							
FL-1058	TANK 30	PCPI-314C							
FL-1059	TANK 30	PCPI-314C							
FL-1060	TANK 30	PCPI-314C							
FL-1061	TANK 30	PCPI-314C							
FL-1062	TANK 30	PCPI-314C							
FL-1063	TANK 30	PCPI-314C							
FL-1064	TANK 30	PCPI-314C							

Equip. No.	Equipment Location	Drawing Number	Inspection Date	Time of Inspection	Monitoring Reading	Back-ground	MFR Issue Date	MFR Completion Date	Comments
FL-1065	TANK 30	PCPI-314C							
FL-1066	TANK 30	PCPI-314C							
FL-1067	TANK 30	PCPI-314C							
FL-1068	TANK 30	PCPI-314C							
FL-1069	TANK 30	PCPI-314C							
FL-1070	TANK 30	PCPI-314C							
FL-1071	TANK 30	PCPI-314C							
FL-1072	TANK 30	PCPI-314C							
FL-1073	TANK 30	PCPI-314C							
FL-1074	TANK 30	PCPI-314C							
FL-1075	TANK 30	PCPI-314C							
FL-1076	TANK 30	PCPI-314C							
FL-1077	TANK 30	PCPI-314C							
FL-1078	TANK 30	PCPI-314C							
FL-1079	TANK 30	PCPI-314C							
FL-1080	TANK 30	PCPI-314C							
FL-1081	TANK 30	PCPI-314C							
FL-1082	TANK 30	PCPI-314C							
FL-1083	TANK 30	PCPI-314C							
FL-1084	TANK 30	PCPI-314C							
FL-1085	TANK 30	PCPI-314C							
FL-1086	TANK 30	PCPI-314C							
FL-1087	TANK 30	PCPI-314C							
FL-1088	TANK 30	PCPI-314C							
FL-1089	TANK 30	PCPI-314C							
FL-1090	TANK 30	PCPI-314C							

Equip. No.	Equipment Location	Drawing Number	Inspection Date	Time of Inspection	Monitoring Reading	Back-ground	MFR Issue Date	MFR Completion Date	Comments
FL-1091	TANK 30	PCPI-314C							
FL-1092	TANK 30	PCPI-314C							
FL-1093	TANK 30	PCPI-314C							
FL-1094	TANK 30	PCPI-314C							
FL-1095	TANK 30	PCPI-314C							
FL-1096	TANK 30	PCPI-314C							
FL-1097	TANK 30	PCPI-314C							
FL-1098	TANK 30	PCPI-314C							
FL-1110	FILTER BASKET	PCPI-315							
FL-1111	FILTER BASKET	PCPI-315							
FL-1112	MOYNO	PCPI-315							
FL-1113	MOYNO	PCPI-315							
FL-1114	MOYNO	PCPI-315							
FL-1115	MOYNO	PCPI-315							
FL-1116	MOYNO	PCPI-315							
FL-1117	PUMP 17	PCPI-315							
FL-1118	PUMP 17	PCPI-315							
FL-1119	PUMP 17	PCPI-315							
FL-1120	TRANSFER LINE	PCPI-315							
FL-1121	TRANSFER LINE	PCPI-315							
FL-1122	MOYNO	PCPI-315							
FL-1123	MOYNO	PCPI-315							
FL-1124	MOYNO	PCPI-315							
FL-1125	MOYNO	PCPI-315							
FL-1126	MOYNO	PCPI-315							
FL-1127	MOYNO	PCPI-315							

Equip. No.	Equipment Location	Drawing Number	Inspection Date	Time of Inspection	Monitoring Reading	Back-ground	MFR Issue Date	MFR Completion Date	Comments
FL-1128	MOYNO	PCPI-315							
FL-1129	MOYNO	PCPI-315							
FL-1130	MOYNO	PCPI-315							
FL-1131	MOYNO	PCPI-315							
FL-1132	HEADER SYSTEM	PCPI-315							
FL-1133	HEADER SYSTEM	PCPI-315							
FL-1136	PUMP-18	PCPI-316							
FL-1137	PUMP-18	PCPI-316							
FL-1138	FILTER BASKET	PCPI-316							
FL-1139	FILTER BASKET	PCPI-316							
FL-1140	FILTER BASKET	PCPI-316							
FL-1141	HEADER SYSTEM	PCPI-316							
FL-1142	HEADER SYSTEM	PCPI-316							
FL-1143	HEADER SYSTEM	PCPI-316							
FL-1144	HEADER SYSTEM	PCPI-316							
FL-1145	FILTER BASKET	PCPI-316							
FL-1146	PUMP-19	PCPI-316							
FL-1147	PUMP-19	PCPI-316							
FL-1148	PUMP-19	PCPI-316							
FL-1149	PUMP-19	PCPI-316							
FL-1150	EXTRA	PCPI-316							
FL-1151	EXTRA	PCPI-316							
FL-1152	EXTRA	PCPI-316							
FL-1153	EXTRA	PCPI-316							
FL-1154	EXTRA	PCPI-316							
FL-1155	EXTRA	PCPI-316							

Equip. No.	Equipment Location	Drawing Number	Inspection Date	Time of Inspection	Monitoring Reading	Back-ground	MFR Issue Date	MFR Completion Date	Comments
FL-1156	EXTRA	PCPI-316							
FL-1157	HEADER SYSTEM	PCPI-317							
FL-1158	HEADER SYSTEM	PCPI-317							
FL-1159	FILTER BASKET	PCPI-317							
FL-1160	FILTER BASKET	PCPI-317							
FL-1161	MOYNO	PCPI-317							
FL-1162	MOYNO	PCPI-317							
FL-1163	PUMP 20	PCPI-317							
FL-1164	PUMP 20	PCPI-317							
FL-1165	PUMP 20	PCPI-317							
FL-1166	TRANSFER LINE	PCPI-317							
FL-1167	TRANSFER LINE	PCPI-317							
FL-1168	MOYNO	PCPI-317							
FL-1169	MOYNO	PCPI-317							
FL-1170	MOYNO	PCPI-317							
FL-1171	MOYNO	PCPI-317							
FL-1500	ON TANK 37	PCPI-339A							
FL-1501	ON TANK 37	PCPI-339A							
FL-1502	ON TANK 37	PCPI-339A							
FL-1503	ON TANK 37	PCPI-339A							
FL-1504	ON TANK 37	PCPI-339A							
FL-1505	ON TANK 37	PCPI-339A							
FL-1506	ON TANK 37	PCPI-339A							
FL-1507	ON TANK 37	PCPI-339A							
FL-1508	ON TANK 37	PCPI-339A							
FL-1509	ON TANK 37	PCPI-339A							

Equip. No.	Equipment Location	Drawing Number	Inspection Date	Time of Inspection	Monitoring Reading	Back-ground	MFR Issue Date	MFR Completion Date	Comments
FL-1510	ON TANK 37	PCPI-339A							
FL-1511	ON TANK 37	PCPI-339A							
FL-1512	ON TANK 37	PCPI-339A							
FL-1513	ON TANK 37	PCPI-339A							
FL-1514	ON TANK 37	PCPI-339A							
FL-1515	ON TANK 37	PCPI-339A							
FL-1516	ON TANK 37	PCPI-339A							
FL-1517	ON TANK 37	PCPI-339A							
FL-1518	ON TANK 37	PCPI-339A							
FL-1519	ON TANK 37	PCPI-339A							
FL-1520	ON TANK 37	PCPI-339A							
FL-1521	ON TANK 37	PCPI-339A							
FL-1522	ON TANK 37	PCPI-339A							
FL-1523	ON TANK 37	PCPI-339A							
FL-1524	ON TANK 37	PCPI-339A							
FL-1525	ON TANK 37	PCPI-339A							
FL-1526	ON TANK 37	PCPI-339A							
FL-1527	ON TANK 37	PCPI-339A							
FL-1528	ON TANK 37	PCPI-339A							
FL-1529	ON TANK 37	PCPI-339A							
FL-1530	ON TANK 37	PCPI-339A							
FL-1531	ON TANK 37	PCPI-339A							
FL-1532	ON TANK 37	PCPI-339A							
FL-1533	ON TANK 37	PCPI-339A							
FL-1534	ON TANK 37	PCPI-339A							
FL-1535	ON TANK 37	PCPI-339A							

Equip. No.	Equipment Location	Drawing Number	Inspection Date	Time of Inspection	Monitoring Reading	Back-ground	MFR Issue Date	MFR Completion Date	Comments
FL-1536	ON TANK 37	PCPI-339A							
FL-1537	ON TANK 37	PCPI-339A							
FL-1538	ON TANK 37	PCPI-339A							
FL-1539	ON TANK 37	PCPI-339A							
FL-1540	ON TANK 37	PCPI-339A							
FL-1541	ON TANK 37	PCPI-339A							
FL-1542	ON TANK 37	PCPI-339A							
FL-1543	ON TANK 37	PCPI-339A							
FL-1544	ON TANK 36	PCPI-339A							
FL-1545	ON TANK 36	PCPI-339A							
FL-1546	ON TANK 36	PCPI-339A							
FL-1547	ON TANK 36	PCPI-339A							
FL-1548	ON TANK 36	PCPI-339A							
FL-1549	ON TANK 36	PCPI-339A							
FL-1550	ON TANK 36	PCPI-339A							
FL-1551	ON TANK 36	PCPI-339A							
FL-1552	ON TANK 36	PCPI-339A							
FL-1553	ON TANK 36	PCPI-339A							
FL-1554	ON TANK 36	PCPI-339A							
FL-1555	ON TANK 36	PCPI-339A							
FL-1556	ON TANK 36	PCPI-339A							
FL-1557	ON TANK 36	PCPI-339A							
FL-1558	ON TANK 36	PCPI-339A							
FL-1559	ON TANK 36	PCPI-339A							
FL-1560	ON TANK 36	PCPI-339A							
FL-1561	ON TANK 36	PCPI-339A							

Equip. No.	Equipment Location	Drawing Number	Inspection Date	Time of Inspection	Monitoring Reading	Back-ground	MFR Issue Date	MFR Completion Date	Comments
FL-1562	ON TANK 36	PCPI-339A							
FL-1563	ON TANK 36	PCPI-339A							
FL-1564	ON TANK 36	PCPI-339A							
FL-1565	ON TANK 36	PCPI-339A							
FL-1566	ON TANK 36	PCPI-339A							
FL-1567	ON TANK 36	PCPI-339A							
FL-1568	ON TANK 36	PCPI-339A							
FL-1569	ON TANK 36	PCPI-339A							
FL-1570	ON TANK 36	PCPI-339A							
FL-1571	ON TANK 36	PCPI-339A							
FL-1572	ON TANK 36	PCPI-339A							
FL-1573	ON TANK 36	PCPI-339A							
FL-1574	ON TANK 36	PCPI-339A							
FL-1575	ON TANK 36	PCPI-339A							
FL-1576	ON TANK 36	PCPI-339A							
FL-1577	ON TANK 36	PCPI-339A							
FL-1578	ON TANK 36	PCPI-339A							
FL-1579	ON TANK 36	PCPI-339A							
FL-1580	ON TANK 36	PCPI-339A							
FL-1581	ON TANK 36	PCPI-339A							
FL-1582	ON TANK 36	PCPI-339A							
FL-1583	ON TANK 36	PCPI-339A							
FL-1584	ON TANK 36	PCPI-339A							
FL-1585	ON TANK 36	PCPI-339A							
FL-1586	ON TANK 36	PCPI-339A							
FL-1587	ON TANK 35	PCPI-339A							

Equip. No.	Equipment Location	Drawing Number	Inspection Date	Time of Inspection	Monitoring Reading	Back-ground	MFR Issue Date	MFR Completion Date	Comments
FL-1588	ON TANK 35	PCPI-339A							
FL-1589	ON TANK 35	PCPI-339A							
FL-1590	ON TANK 35	PCPI-339A							
FL-1591	ON TANK 35	PCPI-339A							
FL-1592	ON TANK 35	PCPI-339A							
FL-1593	ON TANK 35	PCPI-339A							
FL-1594	ON TANK 35	PCPI-339A							
FL-1595	ON TANK 35	PCPI-339A							
FL-1596	ON TANK 35	PCPI-339A							
FL-1597	ON TANK 35	PCPI-339A							
FL-1598	ON TANK 35	PCPI-339A							
FL-1599	ON TANK 35	PCPI-339A							
FL-1600	ON TANK 35	PCPI-339A							
FL-1601	ON TANK 35	PCPI-339A							-
FL-1602	ON TANK 35	PCPI-339A							-
FL-1603	ON TANK 35	PCPI-339A							
FL-1604	ON TANK 35	PCPI-339A							
FL-1605	ON TANK 35	PCPI-339A							
FL-1606	ON TANK 35	PCPI-339A							
FL-1607	ON TANK 35	PCPI-339A							
FL-1608	ON TANK 35	PCPI-339A							
FL-1609	ON TANK 35	PCPI-339A							
FL-1610	ON TANK 35	PCPI-339A							
FL-1611	ON TANK 35	PCPI-339A							
FL-1612	ON TANK 35	PCPI-339A							

Equip. No.	Equipment Location	Drawing Number	Inspection Date	Time of Inspection	Monitoring Reading	Back-ground	MFR Issue Date	MFR Completion Date	Comments
FL-1613	ON TANK 35	PCPI-339A							
FL-1614	ON TANK 35	PCPI-339A							
FL-1615	ON TANK 35	PCPI-339A							
FL-1616	ON TANK 35	PCPI-339A							
FL-1617	ON TANK 35	PCPI-339A							
FL-1618	ON TANK 35	PCPI-339A							
FL-1619	ON TANK 35	PCPI-339A							
FL-1620	ON TANK 35	PCPI-339A							
FL-1621	ON TANK 35	PCPI-339A							
FL-1622	ON TANK 35	PCPI-339A							
FL-1623	ON TANK 35	PCPI-339A							
FL-1624	ON TANK 35	PCPI-339A							
FL-1625	ON TANK 35	PCPI-339A							
FL-1626	ON TANK 35	PCPI-339A							
FL-1627	ON TANK 35	PCPI-339A							
FL-1628	ON TANK 38	PCPI-339A							
FL-1629	ON TANK 38	PCPI-339A							
FL-1630	ON TANK 38	PCPI-339A							
FL-1631	ON TANK 38	PCPI-339A							-
FL-1632	ON TANK 38	PCPI-339A							
FL-1633	ON TANK 38	PCPI-339A							
FL-1634	ON TANK 38	PCPI-339A							
FL-1635	ON TANK 38	PCPI-339A							
FL-1636	ON TANK 38	PCPI-339A							
FL-1637	ON TANK 38	PCPI-339A							
FL-1638	ON TANK 38	PCPI-339A							

Equip. No.	Equipment Location	Drawing Number	Inspection Date	Time of Inspection	Monitoring Reading	Back-ground	MFR Issue Date	MFR Completion Date	Comments
FL-1639	ON TANK 38	PCPI-339A							
FL-1640	ON TANK 38	PCPI-339A							
FL-1641	ON TANK 38	PCPI-339A							
FL-1642	ON TANK 38	PCPI-339A							
FL-1643	ON TANK 38	PCPI-339A							
FL-1644	ON TANK 38	PCPI-339A							
FL-1645	ON TANK 38	PCPI-339A							
FL-1646	ON TANK 38	PCPI-339A							
FL-1647	ON TANK 38	PCPI-339A							
FL-1648	ON TANK 38	PCPI-339A							
FL-1649	ON TANK 38	PCPI-339A							
FL-1650	ON TANK 38	PCPI-339A							
FL-1651	ON TANK 38	PCPI-339A							
FL-1652	ON TANK 38	PCPI-339A							
FL-1653	ON TANK 38	PCPI-339A							
FL-1654	ON TANK 38	PCPI-339A							
FL-1655	ON TANK 38	PCPI-339A							
FL-1656	ON TANK 38	PCPI-339A							
FL-1657	ON TANK 38	PCPI-339A							
FL-1658	ON TANK 38	PCPI-339A							
FL-1659	ON TANK 38	PCPI-339A							
FL-1660	ON TANK 38	PCPI-339A							
FL-1661	ON TANK 38	PCPI-339A							
FL-1662	ON TANK 38	PCPI-339A							
FL-1663	ON TANK 38	PCPI-339A							
FL-1664	ON TANK 38	PCPI-339A							

Equip. No.	Equipment Location	Drawing Number	Inspection Date	Time of Inspection	Monitoring Reading	Back-ground	MFR Issue Date	MFR Completion Date	Comments
FL-1665	ON TANK 38	PCPI-339A							
FL-1666	ON TANK 38	PCPI-339A							
FL-1667	ON TANK 38	PCPI-339A							
FL-1668	ON TANK 38	PCPI-339A							
FL-1669	ON TANK 38	PCPI-339A							
FL-1670	ON TANK 38	PCPI-339A							
FL-1671	ON TANK 39	PCPI-339A							
FL-1672	ON TANK 39	PCPI-339A							
FL-1673	ON TANK 39	PCPI-339A							
FL-1674	ON TANK 39	PCPI-339A							
FL-1675	ON TANK 39	PCPI-339A							
FL-1676	ON TANK 39	PCPI-339A							
FL-1677	ON TANK 39	PCPI-339A							
FL-1678	ON TANK 39	PCPI-339A							
FL-1679	ON TANK 39	PCPI-339A							
FL-1680	ON TANK 39	PCPI-339A							
FL-1681	ON TANK 39	PCPI-339A							
FL-1682	ON TANK 39	PCPI-339A							
FL-1683	ON TANK 39	PCPI-339A							
FL-1684	ON TANK 39	PCPI-339A							
FL-1685	ON TANK 39	PCPI-339A							
FL-1686	ON TANK 39	PCPI-339A							
FL-1687	ON TANK 39	PCPI-339A							
FL-1688	ON TANK 39	PCPI-339A							
FL-1689	ON TANK 39	PCPI-339A							
FL-1690	ON TANK 39	PCPI-339A							

Equip. No.	Equipment Location	Drawing Number	Inspection Date	Time of Inspection	Monitoring Reading	Back-ground	MFR Issue Date	MFR Completion Date	Comments
FL-1691	ON TANK 39	PCPI-339A							
FL-1692	ON TANK 39	PCPI-339A							
FL-1693	ON TANK 39	PCPI-339A							
FL-1694	ON TANK 39	PCPI-339A							
FL-1695	ON TANK 39	PCPI-339A							
FL-1696	ON TANK 39	PCPI-339A							
FL-1697	ON TANK 39	PCPI-339A							
FL-1698	ON TANK 39	PCPI-339A							
FL-1699	ON TANK 39	PCPI-339A							
FL-1700	ON TANK 39	PCPI-339A							
FL-1701	ON TANK 39	PCPI-339A							
FL-1702	ON TANK 39	PCPI-339A							
FL-1703	ON TANK 39	PCPI-339A							
FL-1704	ON TANK 39	PCPI-339A							
FL-1705	ON TANK 39	PCPI-339A							
FL-1706	ON TANK 39	PCPI-339A							
FL-1707	ON TANK 39	PCPI-339A							
FL-1708	ON TANK 39	PCPI-339A							
FL-1709	ON TANK 39	PCPI-339A							
FL-1710	ON TANK 39	PCPI-339A							
FL-1711	ON TANK 39	PCPI-339A							
FL-1712	ON TANK 39	PCPI-339A							
FL-1713	ON TANK 39	PCPI-339A							
FL-1714	ON TANK 40	PCPI-339A							
FL-1715	ON TANK 40	PCPI-339A							
FL-1716	ON TANK 40	PCPI-339A							

Equip. No.	Equipment Location	Drawing Number	Inspection Date	Time of Inspection	Monitoring Reading	Back-ground	MFR Issue Date	MFR Completion Date	Comments
FL-1717	ON TANK 40	PCPI-339A							
FL-1718	ON TANK 40	PCPI-339A							
FL-1719	ON TANK 40	PCPI-339A							
FL-1720	ON TANK 40	PCPI-339A							
FL-1721	ON TANK 40	PCPI-339A							
FL-1722	ON TANK 40	PCPI-339A							
FL-1723	ON TANK 40	PCPI-339A							
FL-1724	ON TANK 40	PCPI-339A							
FL-1725	ON TANK 40	PCPI-339A							
FL-1726	ON TANK 40	PCPI-339A							
FL-1727	ON TANK 40	PCPI-339A							
FL-1728	ON TANK 40	PCPI-339A							
FL-1729	ON TANK 40	PCPI-339A							
FL-1730	ON TANK 40	PCPI-339A							
FL-1731	ON TANK 40	PCPI-339A							
FL-1732	ON TANK 40	PCPI-339A							
FL-1733	ON TANK 40	PCPI-339A							
FL-1734	ON TANK 40	PCPI-339A							
FL-1735	ON TANK 40	PCPI-339A							
FL-1736	ON TANK 40	PCPI-339A							
FL-1737	ON TANK 40	PCPI-339A							
FL-1738	ON TANK 40	PCPI-339A							
FL-1739	ON TANK 40	PCPI-339A							
FL-1740	ON TANK 40	PCPI-339A							
FL-1741	ON TANK 40	PCPI-339A							
FL-1742	ON TANK 40	PCPI-339A							

Equip. No.	Equipment Location	Drawing Number	Inspection Date	Time of Inspection	Monitoring Reading	Back-ground	MFR Issue Date	MFR Completion Date	Comments
FL-1743	ON TANK 40	PCPI-339A							
FL-1744	ON TANK 40	PCPI-339A							
FL-1745	ON TANK 40	PCPI-339A							
FL-1746	ON TANK 40	PCPI-339A							
FL-1747	ON TANK 40	PCPI-339A							
FL-1748	ON TANK 40	PCPI-339A							
FL-1749	ON TANK 40	PCPI-339A							
FL-1750	ON TANK 40	PCPI-339A							
FL-1751	ON TANK 40	PCPI-339A							
FL-1752	ON TANK 40	PCPI-339A							
FL-1753	ON TANK 40	PCPI-339A							
FL-1754	ON TANK 40	PCPI-339A							
FL-1765	HEADER SYSTEM	PCPI-339B							
FL-1766	HEADER SYSTEM	PCPI-339B							
FL-1767	TRANSFER LINE	PCPI-339B							
FL-1768	TRANSFER LINE	PCPI-339B							
FL-1769	TRANSFER LINE	PCPI-339B							
FL-1770	TRANSFER LINE	PCPI-339B							
FL-1771	TRANSFER LINE	PCPI-339B							
FL-1772	TRANSFER LINE	PCPI-339B							
FL-1773	TRANSFER LINE	PCPI-339B							
FL-1774	FILTER BASKET (BOTTOM)	PCPI-339B							
FL-1775	FILTER BASKET (BOTTOM)	PCPI-339B							
FL-1776	FILTER BASKET (BOTTOM)	PCPI-339B							
FL-1777	FILTER BASKET (BOTTOM)	PCPI-339B							
FL-1778	FILTER BASKET (BOTTOM)	PCPI-339B							

Equip. No.	Equipment Location	Drawing Number	Inspection Date	Time of Inspection	Monitoring Reading	Back-ground	MFR Issue Date	MFR Completion Date	Comments
FL-1779	FILTER BASKET (BOTTOM)	PCPI-339B							
FL-1780	FILTER BASKET (BOTTOM)	PCPI-339B							
FL-1781	FILTER BASKET (BOTTOM)	PCPI-339B							
FL-1782	FILTER BASKET (BOTTOM)	PCPI-339B							
FL-1783	FILTER BASKET (TOP)	PCPI-339B							
FL-1784	FILTER BASKET (TOP)	PCPI-339B							
FL-1785	FILTER BASKET (TOP)	PCPI-339B							
FL-1786	FILTER BASKET (TOP)	PCPI-339B							
FL-1787	FILTER BASKET (TOP)	PCPI-339B							
FL-1788	FILTER BASKET (TOP)	PCPI-339B							
FL-1789	FILTER BASKET (TOP)	PCPI-339B							
FL-1790	FILTER BASKET (TOP)	PCPI-339B							
FL-1791	FILTER BASKET (TOP)	PCPI-339B							
FL-1792	MOYNO	PCPI-339B							
FL-1793	MOYNO	PCPI-339B							
FL-1794	MOYNO	PCPI-339B							
FL-1795	TRANSFER LINE	PCPI-339B							
FL-1796	TRANSFER LINE	PCPI-339B							
FL-1797	TRANSFER LINE	PCPI-339B							
FL-1798	TRANSFER LINE	PCPI-339B							
FL-1799	TRANSFER LINE	PCPI-339B							
FL-1800	TRANSFER LINE	PCPI-339B							
FL-1801	TRANSFER LINE	PCPI-339B							
FL-1802	MOYNO	PCPI-339B							

Equip. No.	Equipment Location	Drawing Number	Inspection Date	Time of Inspection	Monitoring Reading	Back-ground	MFR Issue Date	MFR Completion Date	Comments
FL-1803	PUMP 37	PCPI-339B							
FL-1804	PUMP 37	PCPI-339B							
FL-1805	PUMP 37	PCPI-339B							
FL-1806	PUMP 37	PCPI-339B							
FL-1807	PUMP 37	PCPI-339B							
FL-1808	MOYNO	PCPI-339B							
FL-1809	MOYNO	PCPI-339B							
FL-1810	MOYNO	PCPI-339B							
FL-1811	TRANSFER LINE	PCPI-339B							
FL-1812	TRANSFER LINE	PCPI-339B							
FL-1813	TRANSFER LINE	PCPI-339B							
FL-1814	TRANSFER LINE	PCPI-339B							
FL-1815	TRANSFER LINE	PCPI-339B							
FL-1816	TRANSFER LINE	PCPI-339B							
FL-1817	TRANSFER LINE	PCPI-339B							
FL-1818	MOYNO	PCPI-339B							
FL-1819	MOYNO	PCPI-339B							
FL-1820	MOYNO	PCPI-339B							
FL-1821	HEADER SYSTEM	PCPI-339B							
FL-1822	HEADER SYSTEM	PCPI-339B							
FL-1823	HEADER SYSTEM	PCPI-339B							
FL-1824	HEADER SYSTEM	PCPI-339B							
FL-1825	TRANSFER LINE	PCPI-339B							
FL-1826	TRANSFER LINE	PCPI-339B							
FL-1827	TRANSFER LINE	PCPI-339B							
FL-1828	TRANSFER LINE	PCPI-339B							

Equip. No.	Equipment Location	Drawing Number	Inspection Date	Time of Inspection	Monitoring Reading	Back-ground	MFR Issue Date	MFR Completion Date	Comments
FL-1829	TRANSFER LINE	PCPI-339B							
FL-1830	FILTER BASKET (BOTTOM)	PCPI-339B							
FL-1831	FILTER BASKET (BOTTOM)	PCPI-339B							
FL-1832	FILTER BASKET (BOTTOM)	PCPI-339B							
FL-1833	FILTER BASKET (BOTTOM)	PCPI-339B							
FL-1834	FILTER BASKET (BOTTOM)	PCPI-339B							
FL-1835	FILTER BASKET (BOTTOM)	PCPI-339B							
FL-1836	FILTER BASKET (BOTTOM)	PCPI-339B							
FL-1837	FILTER BASKET (BOTTOM)	PCPI-339B							
FL-1838	FILTER BASKET (BOTTOM)	PCPI-339B							
FL-1839	FILTER BASKET (TOP)	PCPI-339B							
FL-1840	FILTER BASKET (TOP)	PCPI-339B							
FL-1841	FILTER BASKET (TOP)	PCPI-339B							
FL-1842	FILTER BASKET (TOP)	PCPI-339B							
FL-1843	FILTER BASKET (TOP)	PCPI-339B							
FL-1844	FILTER BASKET (TOP)	PCPI-339B							
FL-1845	FILTER BASKET (TOP)	PCPI-339B							
FL-1846	FILTER BASKET (TOP)	PCPI-339B							
FL-1847	FILTER BASKET (TOP)	PCPI-339B							
FL-1848	MOYNO	PCPI-339B							
FL-1849	MOYNO	PCPI-339B							
FL-1850	MOYNO	PCPI-339B							
FL-1851	TRANSFER LINE	PCPI-339B							
FL-1852	TRANSFER LINE	PCPI-339B							

Equip. No.	Equipment Location	Drawing Number	Inspection Date	Time of Inspection	Monitoring Reading	Back-ground	MFR Issue Date	MFR Completion Date	Comments
FL-1853	TRANSFER LINE	PCPI-339B							
FL-1854	TRANSFER LINE	PCPI-339B							
FL-1855	TRANSFER LINE	PCPI-339B							
FL-1856	TRANSFER LINE	PCPI-339B							
FL-1857	TRANSFER LINE	PCPI-339B							
FL-1858	MOYNO	PCPI-339B							
FL-1859	MOYNO	PCPI-339B							
FL-1860	MOYNO	PCPI-339B							
FL-1861	PUMP 38	PCPI-339B							
FL-1862	PUMP 38	PCPI-339B							
FL-1863	PUMP 39	PCPI-339B							
FL-1864	PUMP 38	PCPI-339B							
FL-1865	PUMP 38	PCPI-339B							
FL-1866	PUMP 38	PCPI-339B							
FL-1867	PUMP 38	PCPI-339B							
FL-1868	PUMP 38	PCPI-339B							
FL-1869	TRANSFER LINE	PCPI-339B							
FL-1870	TRANSFER LINE	PCPI-339B							
FL-1871	PUMP 39	PCPI-339B							
FL-1872	PUMP 39	PCPI-339B							
FL-1873	PUMP 39	PCPI-339B							
FL-1874	MOYNO	PCPI-339B							
FL-1875	MOYNO	PCPI-339B							
FL-1876	MOYNO	PCPI-339B							
FL-1877	MOYNO	PCPI-339B							
FL-1878	MOYNO	PCPI-339B							

Equip. No.	Equipment Location	Drawing Number	Inspection Date	Time of Inspection	Monitoring Reading	Back-ground	MFR Issue Date	MFR Completion Date	Comments
FL-1879	TRANSFER LINE	PCPI-339B							
FL-1880	TRANSFER LINE	PCPI-339B							
FL-1881	TRANSFER LINE	PCPI-339B							
FL-1882	TRANSFER LINE	PCPI-339B							
FL-1883	TRANSFER LINE	PCPI-339B							
FL-1884	TRANSFER LINE	PCPI-339B							
FL-1885	TRANSFER LINE	PCPI-339B							
FL-1886	MOYNO	PCPI-339B							
FL-1887	MOYNO	PCPI-339B							
FL-1888	MOYNO	PCPI-339B							
FL-1889	HEADER SYSTEM	PCPI-339B							
FL-1890	HEADER SYSTEM	PCPI-339B							
FL-1900	BLEND TANKS	PCPI-338							
FL-1901	BLEND TANKS	PCPI-338							
FL-1902	BLEND TANKS	PCPI-338							
FL-1903	BLEND TANKS	PCPI-338							
FL-1904	BLEND TANKS	PCPI-338							
FL-1905	BLEND TANKS	PCPI-338							
FL-1906	BLEND TANKS	PCPI-338							
FL-1907	FILTER BASKET	PCPI-338							
FL-1908	FILTER BASKET	PCPI-338							
FL-1909	FILTER BASKET	PCPI-338							
FL-1910	FILTER BASKET	PCPI-338							
FL-1911	FILTER BASKET	PCPI-338							
FL-1912	FILTER BASKET	PCPI-338							
FL-1913	FILTER BASKET	PCPI-338							

Equip. No.	Equipment Location	Drawing Number	Inspection Date	Time of Inspection	Monitoring Reading	Back-ground	MFR Issue Date	MFR Completion Date	Comments
FL-1914	FILTER BASKET	PCPI-338							
FL-1915	FILTER BASKET	PCPI-338							
FL-1916	FILTER BASKET	PCPI-338							
FL-1917	FILTER BASKET	PCPI-338							
FL-1918	TRANSFER LINE	PCPI-338							
FL-1919	TRANSFER LINE	PCPI-338							
FL-1920	PUMP 43	PCPI-338							
FL-1921	PUMP 43	PCPI-338							
FL-1922	PUMP 43	PCPI-338							
FL-1923	PUMP 43	PCPI-338							
FL-1924	PUMP 43	PCPI-338							
FL-1925	PUMP 43	PCPI-338							
FL-1926	PUMP 43	PCPI-338							
FL-1927	PUMP 43	PCPI-338							
FL-1928	TRANSFER LINE	PCPI-338							
FL-1929	TRANSFER LINE	PCPI-338							
FL-1930	TRANSFER LINE	PCPI-338							
FL-1931	TRANSFER LINE	PCPI-338							
FL-1932	TRANSFER LINE	PCPI-338							
FL-1933	TRANSFER LINE	PCPI-338							
FL-1934	TRANSFER LINE	PCPI-338							
FL-1935	TRANSFER LINE	PCPI-338							
FL-1936	TRANSFER LINE	PCPI-338							
FL-1937	TRANSFER LINE	PCPI-338							
FL-1938	TRANSFER LINE	PCPI-338							
FL-1939	TRANSFER LINE	PCPI-338							

Equip. No.	Equipment Location	Drawing Number	Inspection Date	Time of Inspection	Monitoring Reading	Back-ground	MFR Issue Date	MFR Completion Date	Comments
FL-1940	TRANSFER LINE	PCPI-338							
FL-1941	TRANSFER LINE	PCPI-338							
FL-1942	PUMP 42	PCPI-338							
FL-1943	PUMP 42	PCPI-338							
FL-1944	PUMP 42	PCPI-338							
FL-1945	PUMP 42	PCPI-338							
FL-1946	PUMP 42	PCPI-338							
FL-1947	PUMP 42	PCPI-338							
FL-1948	TRANSFER LINE	PCPI-338							
FL-1949	TRANSFER LINE	PCPI-338							
FL-1950	TRANSFER LINE	PCPI-338							
FL-1951	TRANSFER LINE	PCPI-338							
FL-1952	TRANSFER LINE	PCPI-338							
FL-1953	TRANSFER LINE	PCPI-338							
FL-1954	HEADER SYSTEM	PCPI-338							
FL-1955	HEADER SYSTEM	PCPI-338							
FL-1956	HEADER SYSTEM	PCPI-338							
FL-1957	HEADER SYSTEM	PCPI-338							
FL-1958	TRANSFER LINE	PCPI-338							
FL-1959	TRANSFER LINE	PCPI-338							
FL-1960	HEADER SYSTEM	PCPI-338							
FL-1961	HEADER SYSTEM	PCPI-338							
FL-1962	FLOW METER	PCPI-338							
FL-1963	FLOW METER	PCPI-338							
FL-1964	FLOW METER	PCPI-338							
FL-1965	TRANSFER LINE	PCPI-338							

Equip. No.	Equipment Location	Drawing Number	Inspection Date	Time of Inspection	Monitoring Reading	Back-ground	MFR Issue Date	MFR Completion Date	Comments
FL-1966	TRANSFER LINE	PCPI-338							
FL-1967	TRANSFER LINE	PCPI-338							
FL-1968	TO TANK 37	PCPI-338							
FL-1969	TO TANK 37	PCPI-338							
FL-1970	TRANSFER LINE	PCPI-338							
FL-1971	TRANSFER LINE	PCPI-338							
FL-1972	TRANSFER LINE	PCPI-338							
FL-1973	TRANSFER LINE	PCPI-338							
FL-1974	TRANSFER LINE	PCPI-338							
FL-1975	FLOW METER	PCPI-338							
FL-1976	FLOW METER	PCPI-338							
FL-1977	FLOW METER	PCPI-338							
FL-1978	FLOW METER	PCPI-338							
FL-1979	TRANSFER LINE	PCPI-338							
FL-1980	TRANSFER LINE	PCPI-338							
FL-1981	TRANSFER LINE	PCPI-338							
FL-1982	TRANSFER LINE	PCPI-338							
FL-1983	TRANSFER LINE	PCPI-338							
FL-1984	TRANSFER LINE	PCPI-338							
FL-1985	INTO SUPER BLEND	PCPI-338							
FL-1986	INTO SUPER BLEND	PCPI-338							
FL-1987	INTO SUPER BLEND	PCPI-338							
FL-1988	INTO SUPER BLEND	PCPI-338							
FL-1989	INTO SUPER BLEND	PCPI-338							
FL-1990	INTO SUPER BLEND	PCPI-338							
FL-1991	INTO SUPER BLEND	PCPI-338							

Equip. No.	Equipment Location	Drawing Number	Inspection Date	Time of Inspection	Monitoring Reading	Back-ground	MFR Issue Date	MFR Completion Date	Comments
FL-1992	FROM SUPER BLEND	PCPI-338							
FL-1993	FROM SUPER BLEND	PCPI-338							
FL-1994	FROM SUPER BLEND	PCPI-338							
FL-1995	EXTRA	PCPI-338							
FL-1996	EXTRA	PCPI-338							
FL-1997	TO TANK 38	PCPI-338							
FL-1998	TO TANK 38	PCPI-338							
FL-1999	TRANSFER LINE	PCPI-338							
FL-2000	TRANSFER LINE	PCPI-338							
FL-2001	HEADER SYSTEM	PCPI-338							
FL-2002	PUMP 41	PCPI-338							
FL-2003	PUMP 41	PCPI-338							
FL-2004	PUMP 41	PCPI-338							
FL-2005	PUMP 41	PCPI-338							
FL-2006	PUMP 41	PCPI-338							
FL-2007	FLOW METER	PCPI-338							
FL-2008	FLOW METER	PCPI-338							
FL-2009	FLOW METER	PCPI-338							
FL-2010	FLOW METER	PCPI-338							
FL-2011	FLOW METER	PCPI-338							
FL-2012	FLOW METER	PCPI-338							
FL-2013	FLOW METER	PCPI-338							
FL-2014	FLOW METER	PCPI-338							
FL-2015	FLOW METER	PCPI-338							
FL-2016	FLOW METER	PCPI-338							
FL-2017	EXTRA	PCPI-338							

Equip. No.	Equipment Location	Drawing Number	Inspection Date	Time of Inspection	Monitoring Reading	Back-ground	MFR Issue Date	MFR Completion Date	Comments
FL-2018	EXTRA	PCPI-338							
FL-2019	EXTRA	PCPI-338							
FL-2020	TO TANK 37	PCPI-338							
FL-2021	TO TANK 37	PCPI-338							
FL-2022	TO TANK 37	PCPI-338							
FL-2023	TO TANK 37	PCPI-338							
FL-2024	TO TANK 37	PCPI-338							
FL-2025	TO TANK 37	PCPI-338							
FL-2026	TRANSFER LINE	PCPI-338							
FL-2027	TRANSFER LINE	PCPI-338							
FL-2028	TRANSFER LINE	PCPI-338							
FL-2029	TRANSFER LINE	PCPI-338							
FL-2030	TRANSFER LINE	PCPI-338							
FL-2031	TRANSFER LINE	PCPI-338							
FL-2032	TRANSFER LINE	PCPI-338							
FL-2033	TRANSFER LINE	PCPI-338							
FL-2034	TRANSFER LINE	PCPI-338							
FL-2035	TRANSFER LINE	PCPI-338							
FL-2036	TRANSFER LINE	PCPI-338							
FL-2037	TRANSFER LINE	PCPI-338							
FL-2038	TO SUPER BLEND	PCPI-338							
FL-2039	TO SUPER BLEND	PCPI-338							
FL-2040	TO SUPER BLEND	PCPI-338							
FL-2041	TO SUPER BLEND	PCPI-338							
FL-2042	TO SUPER BLEND	PCPI-338							
FL-2043	TRANSFER LINE	PCPI-338							

Equip. No.	Equipment Location	Drawing Number	Inspection Date	Time of Inspection	Monitoring Reading	Back-ground	MFR Issue Date	MFR Completion Date	Comments
FL-2044	TRANSFER LINE	PCPI-338							
FL-2045	TRANSFER LINE	PCPI-338							
FL-2046	TRANSFER LINE	PCPI-338							
FL-2047	TRANSFER LINE	PCPI-338							
FL-2048	TRANSFER LINE	PCPI-338							
FL-2049	TO BLEND TANK	PCPI-338							
FL-2050	TO BLEND TANK	PCPI-338							
FL-2051	TO BLEND TANK	PCPI-338							
FL-2052	TO BLEND TANK	PCPI-338							
FL-2093	TRANSFER LINE	PCPI-335							
FL-2094	TRANSFER LINE	PCPI-335							
FL-2095	TRANSFER LINE	PCPI-335							
FL-2096	TRANSFER LINE	PCPI-335							
FL-2097	TRANSFER LINE	PCPI-335							
FL-2098	TRANSFER LINE	PCPI-335							
FL-2099	TRANSFER LINE	PCPI-335							
FL-3000	TRANSFER LINE	PCPI-335							
FL-3001	TRANSFER LINE	PCPI-335							
FL-3002	TRANSFER LINE	PCPI-335							
FL-3003	TRANSFER LINE	PCPI-335							
FL-3004	TRANSFER LINE	PCPI-335							
FL-3000	TRANSFER LINE	PCPI-335							
FL-3001	TRANSFER LINE	PCPI-335							
FL-3002	TRANSFER LINE	PCPI-335							
FL-3003	TRANSFER LINE	PCPI-335							
FL-3004	TRANSFER LINE	PCPI-335							

Equip. No.	Equipment Location	Drawing Number	Inspection Date	Time of Inspection	Monitoring Reading	Back-ground	MFR Issue Date	MFR Completion Date	Comments
FL-3005	TRANSFER LINE	PCPI-335							
FL-3006	TRANSFER LINE	PCPI-335							
FL-3007	TRANSFER LINE	PCPI-335							
FL-3008	TRANSFER LINE	PCPI-335							
FL-3009	TRANSFER LINE	PCPI-335							
FL-3010	TRANSFER LINE	PCPI-335							
FL-3011	TRANSFER LINE	PCPI-335							
FL-3012	TRANSFER LINE	PCPI-335							
FL-3013	TRANSFER LINE	PCPI-335							
FL-3014	TO MVRS	PCPI-335							
FL-3015	TO MVRS	PCPI-335							
FL-5	TK001	09507_CMB TANKS							
FL-6	TK001	09507_CMB TANKS							
FL-7	TK001	09507_CMB TANKS							
FL-8	TK001	09507_CMB TANKS							
FL-9	TK001	09507_CMB TANKS							
FL-10	TK001	09507_CMB TANKS							
FL-11	TK001	09507_CMB TANKS							
FL-12	TK001	09507_CMB TANKS							
FL-22	TK001	09507_CMB TANKS							
FL-23	TK001	09507_CMB TANKS							
FL-5	TK002	09507_CMB TANKS							
FL-6	TK002	09507_CMB TANKS							
FL-7	TK002	09507_CMB TANKS							
FL-8	TK002	09507_CMB TANKS							
FL-9	TK002	09507_CMB TANKS							

Equip. No.	Equipment Location	Drawing Number	Inspection Date	Time of Inspection	Monitoring Reading	Back-ground	MFR Issue Date	MFR Completion Date	Comments
FL-10	TK002	09507_CMB TANKS							
FL-11	TK002	09507_CMB TANKS							
FL-12	TK002	09507_CMB TANKS							
FL-22	TK002	09507_CMB TANKS							
FL-23	TK002	09507_CMB TANKS							

Emissions Standards Inspection Form 3a
Weekly Pressure/Vacuum Vent Monitoring Sheet

Week of: _____
Inspector's Name:_____
Calibration Complete:(Y)/N Data:
Monitoring Equipment: MiniRae 2000 – Model PGM – 7600 Hazardous Waste Analyzer

Equipment I.D.	Equipment Location	Drawing Number	Date of Inspection	Time of Inspection	Monitoring Reading (ppm)	Back-ground	MRF# Issued (&Date)	MRF Complete (&Date)	Comments
PVV-25	TANK 16	PCPI-314							
PVV-26	TANK 17	PCPI-314							
PVV-27	TANK 18	PCPI-314							
PVV-28	TANK 19	PCPI-314							
PVV-29	TANK 20	PCPI-314							
PVV-30	TANK 21	PCPI-314							
PVV-31	TANK 22	PCPI-314							
PVV-32	TANK 23	PCPI-314							
PVV-33	TANK 24	PCPI-314							
PVV-34	TANK 25	PCPI-314							
PVV-35	TANK 26	PCPI-314							
PVV-36	TANK 27	PCPI-314							
PVV-37	TANK 28	PCPI-314							
PVV-38	TANK 29	PCPI-314							
PVV-39	TANK 30	PCPI-314							
PVV-47	TANK 35	PCPI-589A							
PVV-48	TANK 36	PCPI-589A							
PVV-49	TANK 37	PCPI-589A							
PVV-50	TANK 38	PCPI-589A							
PVV-51	TANK 39	PCPI-589A							
PVV-52	TANK 40	PCPI-589A							

Emissions Standards Inspection Form 4
Monthly/Quarterly Valve Monitoring Sheet

Month:
Inspector's Name: _____
Calibration Complete: Y N Data:
Monitoring Equipment: MiniRae 2000 - PGM 7600 - Hazardous Waste Analyzer

Equip. I.D. #	Equipment Location	Dwg. #	Leak in Last 2 Months	Date of Inspection	Time of Inspection	Monitor Reading	Back-ground	MFR # Issue Date	MFR Comp. Date	Comments
FV-021	TANK 16	PCPI-314A								
FV-022	TANK 17	PCPI-314A								
FV-023	TANK 18	PCPI-314A								
FV-024	TANK 21	PCPI-314B								
FV-035	TANK 22	PCPI-314B								
FV-036	TANK 23	PCPI-314B								
FV-049	TANK 29	PCPI-314C								
FV-050	TANK 30	PCPI-314C								
FV-051	TANK 16	PCPI-314A								
FV-052	TANK 16	PCPI-314A								
FV-053	TANK 17	PCPI-314A								
FV-054	TANK 17	PCPI-314A								
FV-055	TANK 18	PCPI-314A								
FV-056	TANK 18	PCPI-314A								
FV-057	TANK 19	PCPI-314A								
FV-058	TANK 19	PCPI-314A								
FV-059	TANK 20	PCPI-314A								
FV-060	TANK 20	PCPI-314A								
FV-061	TANK 20	PCPI-314A								
FV-062	TANK 21	PCPI-314B								
FV-063	TANK 21	PCPI-314B								
FV-064	TANK 22	PCPI-314B								
FV-065	TANK 22	PCPI-314B								
FV-066	TANK 23	PCPI-314B								
FV-067	TANK 23	PCPI-314B								
FV-068	TANK 24	PCPI-314B								

Equip. I.D. #	Equipment Location	Dwg. #	Leak in Last 2 Months	Date of Inspection	Time of Inspection	Monitor Reading	Back-ground	MFR # Issue Date	MFR Comp. Date	Comments
FV-069	TANK 24	PCPI-314B								
FV-070	TANK 25	PCPI-314B								
FV-071	TANK 25	PCPI-314B								
FV-072	TANK 25	PCPI-314B								
FV-073	TANK 25	PCPI-314B								
FV-074	TANK 20	PCPI-314A								
FV-075	TANK 26	PCPI-314C								
FV-076	TANK 26	PCPI-314C								
FV-077	TANK 27	PCPI-314C								
FV-078	TANK 27	PCPI-314C								
FV-079	TANK 28	PCPI-314C								
FV-080	TANK 28	PCPI-314C								
FV-081	TANK 29	PCPI-314C								
FV-082	TANK 29	PCPI-314C								
BV-292	TANK 16	PCPI-314A								
BV-293	TANK 16	PCPI-314A								
BV-294	TANK 17	PCPI-314A								
BV-295	TANK 17	PCPI-314A								
BV-296	TANK 18	PCPI-314A								
BV-297	TANK 18	PCPI-314A								
BV-298	TANK 19	PCPI-314A								
BV-299	TANK 19	PCPI-314A								
BV-300	TANK 20	PCPI-314A								
BV-301	TANK 20	PCPI-314A								
BV-302	TANK 20 PIPELINE	PCPI-314A								
BV-303	TANK 20 PIPELINE	PCPI-314A								
BV-304	TANK 20 PIPELINE	PCPI-314A								
BV-305	TANK 21	PCPI-314B								
BV-306	TANK 21	PCPI-314B								
BV-307	TANK 22	PCPI-314B								
BV-308	TANK 22	PCPI-314B								

Equip. I.D. #	Equipment Location	Dwg. #	Leak in Last 2 Months	Date of Inspection	Time of Inspection	Monitor Reading	Back-ground	MFR # Issue Date	MFR Comp. Date	Comments
BV-309	TANK 23	PCPI-314B								
BV-310	TANK 23	PCPI-314B								
BV-311	TANK 24	PCPI-314B								
BV-312	TANK 24	PCPI-314B								
BV-313	TANK 25	PCPI-314B								
BV-314	TANK 25	PCPI-314B								
BV-315	TANK 25 PIPELINE	PCPI-314B								
BV-316	TANK 25 PIPELINE	PCPI-314B								
BV-317	TANK 25 PIPELINE	PCPI-314B								
BV-318	TANK 26	PCPI-314C								
BV-319	TANK 26	PCPI-314C								
BV-320	TANK 27	PCPI-314C								
BV-321	TANK 27	PCPI-314C								
BV-322	TANK 28	PCPI-314C								
BV-323	TANK 28	PCPI-314C								
BV-324	TANK 29	PCPI-314C								
BV-325	TANK 29	PCPI-314C								
BV-326	TANK 30	PCPI-314C								
BV-327	TANK 30	PCPI-314C								
BV-328	TANK 16	PCPI-314A								
BV-329	TANK 16 .	PCPI-314A								
BV-330	TANK 17	PCPI-314A								
BV-331	TANK 17	PCPI-314A								
BV-332	TANK 18	PCPI-314A								
BV-333	TANK 18.	PCPI-314A								
BV-334	TANK 19	PCPI-314A								
BV-335	TANK 19	PCPI-314A								
BV-336	TANK 20	PCPI-314A								
BV-337	TANK 20	PCPI-314A								
BV-338	TANK 21	PCPI-314B								
BV-339	TANK 21.	PCPI-314B								
BV-340	TANK 22	PCPI-314B								

Equip. I.D. #	Equipment Location	Dwg. #	Leak in Last 2 Months	Date of Inspection	Time of Inspection	Monitor Reading	Back-ground	MFR # Issue Date	MFR Comp. Date	Comments
BV-341	TANK 22	PCPI-314B								
BV-342	TANK 23	PCPI-314B								
BV-343	TANK 23	PCPI-314B								
BV-344	TANK 24	PCPI-314B								
BV-345	TANK 24	PCPI-314B								
BV-346	TANK 25	PCPI-314B								
BV-347	TANK 25	PCPI-314B								
BV-348	TANK 26	PCPI-314C								
BV-349	TANK 26	PCPI-314C								
BV-350	TANK 27	PCPI-314C								
BV-351	TANK 27	PCPI-314C								
BV-352	HEADER	PCPI-315								
BV-353	HEADER	PCPI-315								
BV-354	FILTER	PCPI-315								
BV-355	FILTER	PCPI-315								
BV-356	FILTER	PCPI-315								
BV-357	EXTRA	PCPI-315								
BV-358	TRANS. LINE	PCPI-315								
BV-359	MOYNO	PCPI-315								
BV-360	MOYNO	PCPI-315								
BV-361	HEADER SYSTEM	PCPI-315								
BV-362	EXTRA	PCPI-315								
BV-363	EXTRA	PCPI-315								
BV-364	EXTRA	PCPI-315								
BV-365	EXTRA	PCPI-315								
BV-366	HEADER	PCPI-316								
BV-367	HEADER	PCPI-316								
BV-368	HEADER	PCPI-316								
BV-369	PUMP-18	PCPI-316								
BV-370	PUMP-18	PCPI-316								
BV-371	HEADER	PCPI-316								
BV-372	TRANSFER LINE	PCPI-316								

Equip. I.D. #	Equipment Location	Dwg. #	Leak in Last 2 Months	Date of Inspection	Time of Inspection	Monitor Reading	Back-ground	MFR # Issue Date	MFR Comp. Date	Comments
BV-373	TRANSFER LINE	PCPI-316								
BV-374	DUPLEX STRAINER	PCPI-316								
BV-375	DUPLEX STRAINER	PCPI-316								
BV-376	HEADER	PCPI-316								
BV-377	HEADER	PCPI-316								
BV-378	HEADER	PCPI-316								
BV-379	HEADER	PCPI-316								
BV-380	DUPLEX STRAINER	PCPI-316								
BV-381	PUMP 20	PCPI-316								
BV-382	HEADER	PCPI-316								
BV-383	HEADER	PCPI-317								
BV-384	FILTER	PCPI-317								
BV-385	EXTRA	PCPI-317								
BV-386	EXTRA	PCPI-317								
BV-387	HEADER	PCPI-317								
BV-388	TRANSFER LINE	PCPI-317								
BV-389	MOYNO	PCPI-317								
BV-390	MOYNO	PCPI-317								
BV-391	MOYNO	PCPI-317								
BV-392	PUMP 21	PCPI-317								
BV-393	TRANSFER LINE	PCPI-317								
BV-394	TRANSFER LINE	PCPI-317								
BV-395	MOYNO	PCPI-317								
BV-396	HEADER`	PCPI-317								
BV-397	TANK-28	PCPI-314C								
BV-398	TANK-28	PCPI-314C								
BV-700	ON TANK 37	PCPI-589A								
BV-701	ON TANK 37	PCPI-589A								
BV-702	ON TANK 37	PCPI-589A								
BV-703	ON TANK 37	PCPI-589A								
BV-704	ON TANK 37	PCPI-589A								

Equip. I.D. #	Equipment Location	Dwg. #	Leak in Last 2 Months	Date of Inspection	Time of Inspection	Monitor Reading	Back-ground	MFR # Issue Date	MFR Comp. Date	Comments
BV-705	ON TANK 36	PCPI-589A								
BV-706	ON TANK 36	PCPI-589A								
BV-707	ON TANK 36	PCPI-589A								
BV-708	ON TANK 36	PCPI-589A								
BV-709	ON TANK 36	PCPI-589A								
BV-710	ON TANK 35	PCPI-589A								
BV-711	ON TANK 35	PCPI-589A								
BV-712	ON TANK 35	PCPI-589A								
BV-713	ON TANK 35	PCPI-589A								
BV-714	ON TANK 35	PCPI-589A								
BV-715	ON TANK 38	PCPI-589A								
BV-716	ON TANK 38	PCPI-589A								
BV-717	ON TANK 38	PCPI-589A								
BV-718	ON TANK 38	PCPI-589A								
BV-719	ON TANK 38	PCPI-589A								
BV-720	ON TANK 39	PCPI-589A								
BV-721	ON TANK 39	PCPI-589A								
BV-722	ON TANK 39	PCPI-589A								
BV-723	ON TANK 39	PCPI-589A								
BV-724	ON TANK 39	PCPI-589A								
BV-725	ON TANK 40	PCPI-589A								
BV-726	ON TANK 40	PCPI-589A								
BV-727	ON TANK 40	PCPI-589A								
BV-728	ON TANK 40	PCPI-589A								
BV-729	ON TANK 40	PCPI-589A								
BV-740	HEADER SYSTEM	PCPI-589B								
BV-741	FILTER BASKET	PCPI-589B								
BV-742	FILTER BASKET	PCPI-589B								
BV-743	FILTER BASKET	PCPI-589B								
BV-744	FILTER BASKET	PCPI-589B								

Equip. I.D. #	Equipment Location	Dwg. #	Leak in Last 2 Months	Date of Inspection	Time of Inspection	Monitor Reading	Back-ground	MFR # Issue Date	MFR Comp. Date	Comments
BV-745	MOYNO	PCPI-589B								
BV-746	TRANSFER LINE	PCPI-589B								
BV-747	P-37	PCPI-589B								
BV-748	TRANSFER LINE	PCPI-589B								
BV-749	MOYNO	PCPI-589B								
BV-750	HEADER SYSTEM	PCPI-589B								
BV-751	HEADER SYSTEM	PCPI-589B								
BV-752	FILTER BASKET	PCPI-589B								
BV-753	FILTER BASKET	PCPI-589B								
BV-754	FILTER BASKET	PCPI-589B								
BV-755	FILTER BASKET	PCPI-589B								
BV-756	MOYNO	PCPI-589B								
BV-757	TRANSFER LINE	PCPI-589B								
BV-758	MOYNO	PCPI-589B								
BV-759	TRANSFER LINE	PCPI-589B								
BV-760	P-38	PCPI-589B								
BV-761	P-38	PCPI-589B								
BV-762	TRANSFER LINE	PCPI-589B								
BV-763	P-39	PCPI-589B								
BV-764	MOYNO	PCPI-589B								
BV-765	TRANSFER LINE	PCPI-589B								
BV-766	MOYNO	PCPI-589B								
BV-767	HEADER SYSTEM	PCPI-589B								
BV-800	TO SUPER BLEND	PCPI-338								
BV-801	TO SUPER BLEND	PCPI-338								
BV-802	FILTER BASKET	PCPI-338								
BV-803	FILTER BASKET	PCPI-338								
BV-804	FILTER BASKET	PCPI-338								
BV-805	FILTER BASKET	PCPI-338								
BV-806	HEADER SYSTEM	PCPI-338								

Equip. I.D. #	Equipment Location	Dwg. #	Leak in Last 2 Months	Date of Inspection	Time of Inspection	Monitor Reading	Back-ground	MFR # Issue Date	MFR Comp. Date	Comments
BV-807	PUMP 43	PCPI-338								
BV-808	PUMP 43	PCPI-338								
BV-809	PUMP 43	PCPI-338								
BV-810	PUMP 42	PCPI-338								
BV-811	PUMP 42	PCPI-338								
BV-812	HEADER SYTEM	PCPI-338								
BV-813	TRANSFER LINE	PCPI-338								
BV-814	HEADER SYTEM	PCPI-338								
BV-815	FLOW METER	PCPI-338								
BV-816	TRANSFER LINE	PCPI-338								
BV-817	TO TANK 37	PCPI-338								
BV-818	FLOW METER	PCPI-338								
BV-819	INTO BLEND TANK	PCPI-338								
BV-820	INTO BLEND TANK	PCPI-338								
BV-821	HEADER SYSTEM	PCPI-338								
BV-822	PUMP 41	PCPI-338								
BV-823	FLOW METER	PCPI-338								
BV-824	FLOW METER	PCPI-338								
BV-825	FLOW METER	PCPI-338								
BV-826	TO TANK 37	PCPI-338								
BV-827	TRANSFER LINE	PCPI-338								
BV-828	TO BLEND TANK	PCPI-338								
BV-829	TO BLEND TANK	PCPI-338								
BV-830	NITROGEN LINE	PCPI-338								
BV-831	MVRS LINE	PCPI-338								
CV-8	FILTER	PCPI-331								
CV-9	FILTER	PCPI-331								
CV-10	TRANSFER LINE	PCPI-330								
CV-11	TRANSFER LINE	PCPI-330								

Emissions Standards Monitoring Form 5
Quarterly Sample Port Inspection Sheet

Week of_____
Inspector's Name:_____
Calibration Complete:Y/N Data:
Background Reading:_____ppm
Monitoring Equipment:HNU Model 101 Hazardous Waste Analyzer

Equipment I.D.	Equipment Location	Drawing Number	Inspection Date	Inspection Time	Monitoring Reading (ppm)	MRF# Issue Date	MRF Completion Date	Comments
SP-001	TANK 16	PCPI-314						
SP-002	TANK 17	PCPI-314						
SP-003	TANK 18	PCPI-314						
SP-004	TANK 19	PCPI-314						
SP-005	TANK 20	PCPI-314						
SP-006	TANK 21	PCPI-315						
SP-007	TANK 22	PCPI-315						
SP-008	TANK 23	PCPI-315						
SP-009	TANK 24	PCPI-315						
SP-010	TANK 25	PCPI-315						
SP-011	TANK 26	PCPI-316						
SP-012	TANK 27	PCPI-316						
SP-013	TANK 28	PCPI-316						
SP-014	TANK 29	PCPI-316						
SP-015	TANK 30	PCPI-316						

Appendix V

Maintenance Request Form

MAINTENANCE REQUEST FORMS FOR PCPG

MONTH:				
ITEM	**PROBLEM**	**MRF No.(if applicable)**	**DATE ISSUED**	**DATE COMPLETED**

Section 4

Subpart CC Air Emissions (C11)

FORM EQP 5111 ATTACHMENT TEMPLATE C11 - SUBPART CC
AIR EMISSIONS FROM TANKS, CONTAINERS, AND SURFACE IMPOUNDMENTS

The administrative rules promulgated pursuant to Part 111, Hazardous Waste Management, of Michigan's Natural Resources and Environmental Protection Act, 1994 PA 451, as amended (Act 451), R 299.9504, R 299.9508, R 299.9605, and R 299.9634; and Title 40 of the Code of Federal Regulations (CFR), Part 264, Subpart CC, and 40 CFR §270.27, establish requirements for controlling organic air emissions from tanks, containers, and surface impoundments. All references to 40 CFR citations specified herein are adopted by reference in R 299.11003.

This license application template addresses air emission control requirements for tanks, containers, and surface impoundments at the hazardous waste management facility for the Petro Chem facility in Detroit, Michigan.

(Check as Appropriate)

☒ Applicant for Operating License for Existing Facility

☐ Applicant for Operating License for New, Altered, Enlarged, or Expanded Facility

☒ Tanks, Containers, or Surface Impoundments Subject to 40 CFR Part 264, Subpart CC (R 299.9634)

☐ No Tanks, Containers, or Surface Impoundments Subject to 40 CFR Part 264, Subpart CC, Exist at the Facility (R 299.9634)

📖 EPA 1990. *Hazardous Waste TSDF – Technical Guidance Document for RCRA Air Emission Standards for Process Vents and Equipment Leaks.* Document No. EPA-450/3-89-021. July.

This template is organized as follows:

C11.C AIR EMISSIONS FROM TANKS, CONTAINERS, AND SURFACE IMPOUNDMENTS
- C11.C.1 Waste Streams
  - C11.C.1(a) Average Volatile Organic (VO) Concentration Determination Via Direct Measurement at the Point of Waste Origination
    - C11.C.1(a)(1) Identification of Point of Waste Origination
    - C11.C.1(a)(2) Sampling Parameters
    - C11.C.1(a)(3) Analytical Results
    - C11.C.1(a)(4) Calculation of Average VO Concentration
  - C11.C.1(b) Average VO Concentration Determination Via Process Knowledge at the Point of Waste Origination
  - C11.C.1(c) Average VO Concentration Determination Via Direct Measurement at the Point of Waste Treatment
    - C11.C.1(c)(1) Identification of Point of Waste Origination
    - C11.C.1(c)(2) Sampling Parameters
    - C11.C.1(c)(3) Analytical Results
    - C11.C.1(c)(4) Calculation of Average VO Concentration
  - C11.C.1(d) Maximum Organic Vapor Pressure Determination of Hazardous Waste in a Tank Using Level 1 Controls Via Direct Measurement
    - C11.C.1(d)(1) Sampling Parameters

- C11.C.1(d)(2) Analytical Results
- C11.C.1(e) Maximum Organic Vapor Pressure Determination of Hazardous Waste in a Tank Using Level 1 Controls Via Process Knowledge
- C11.C.1(f) Description of Procedures for Determining No Detectable Organic Emissions

C11.C.2 Tanks Description

- C11.C.2(a) Description of Level 1 Controls
  - C11.C.2(a)(1) Maximum Organic Vapor Pressure Limit Design Capacity
  - C11.C.2(a)(2) Description of Fixed Roof
  - C11.C.2(a)(3) Description of Closure Devices and Operating Procedures
  - C11.C.2(a)(4) Description of Inspection Procedures
- C11.C.2(b) Description of Level 2 Controls
  - C11.C.2(b)(1) Fixed Roof and Internal Floating Roof
  - C11.C.2(b)(2) External Floating Roof
  - C11.C.2(b)(3) Tank Vented to Closed-Vent System
  - C11.C.2(b)(4) Pressure Tank
  - C11.C.2(b)(5) Tank Located Within an Enclosure Vented to a Combustion Device

C11.C.3 Surface Impoundment Description

- C11.C.3(a) Description of Floating Membrane Cover
- C11.C.3(b) Description of Cover Vented through a Closed-Vent System

C11.C.4 Container Descriptions

- C11.C.4(a) Description of Container Level 1 Controls
  - C11.C.4(a)(1) Michigan Department of Transportation Specifications
  - C11.C.4(a)(2) Cover and Closure Devices
  - C11.C.4(a)(3) Open-Top Containers with Organic Vapor-Suppressing Barrier
  - C11.C.4(a)(4) Inspection Procedures
- C11.C.4(b) Description of Container Level 2 Controls
  - C11.C.4(b)(1) Michigan Department of Transportation Specifications
  - C11.C.4(b)(2) Container Operating with No Detectable Emissions
  - C11.C.4(b)(3) Containers Demonstrated to be Vapor-Tight
  - C11.C.4(b)(4) Container Waste Transfer Procedures
  - C11.C.4(b)(5) Cover and Closure Management Procedures
  - C11.C.4(b)(6) Inspection Procedures
- C11.C.4(c) Description of Container Level 3 Controls
  - C11.C.4(c)(1) Closed-Vent System Vented to a Control Device
  - C11.C.4(c)(2) Container Vented to an Enclosure That Is Vented to Control Device
  - C11.C.4(c)(3) Safety Devices
  - C11.C.4(c)(4) Inspection and Monitoring Procedures
  - C11.C.4(c)(5) Records Management
  - C11.C.4(c)(6) Waste Transfer Procedures

C11.C.5 Description of Closed-Vent Systems and Control Devices

- C11.C.5(a) Description of Closed-Vent System
- C11.C.5(b) Description of Control Devices

- C11.C.5(c) Inspection Procedures
- C11.C.6 Description of Record Keeping Procedures
  - C11.C.6(a) Description of Tank Record Keeping Procedures
    - C11.C.6(a)(1) Tank Identification Numbers
    - C11.C.6(a)(2) Inspection Records
    - C11.C.6(a)(3) Documentation for Determination of Maximum Organic Vapor Pressure for Fixed Roof Level 1 Controls
    - C11.C.6(a)(4) Documentation Showing Internal Floating Roof Design
    - C11.C.6(a)(5) Documentation Showing External Floating Roof Design and Seal Inspections
    - C11.C.6(a)(6) Calculations and Records for Demonstrating Compliance with Enclosure Requirements for Level 2 Controls
  - C11.C.6(b) Description of Surface Impoundment Record Keeping Procedures
    - C11.C.6(b)(1) Surface Impoundment Identification Numbers
    - C11.C.6(b)(2) Floating Membrane or Cover Certifications
    - C11.C.6(b)(3) Inspection Records
    - C11.C.6(b)(4) Closed-Vent System and Control Device Certifications and Records
  - C11.C.6(c) Description of Container Level 3 Control Record Keeping Procedures
    - C11.C.6(c)(1) Calculations Verifying Compliance with Enclosure Requirements
    - C11.C.6(c)(2) Closed-Vent System and Control Device Certifications and Records
  - C11.C.6(d) Closed-Vent System and Control Device Records
    - C11.C.6(d)(1) Performance Certification
    - C11.C.6(d)(2) Design Analysis Documentation
    - C11.C.6(d)(3) Performance Test Plan and Results
    - C11.C.6(d)(4) Descriptions of Sensors, Modifications, and Locations
    - C11.C.6(d)(5) Planned Routine Maintenance Schedules
    - C11.C.6(d)(6) Descriptions of Unplanned Malfunctions
    - C11.C.6(d)(7) Management of Carbon Removed from a Carbon Absorption System
  - C11.C.6(e) Records Required for Exempt Units
    - C11.C.6(e)(1) Waste Determination Results
    - C11.C.6(e)(2) Identification Numbers of Treatment Units
  - C11.C.6(f) Description of Covers Designated as Unsafe to Inspect and Monitor
  - C11.C.6(g) Documentation of Alternative Compliance with 40 CFR Part 60, Subpart VV, or 40 CFR Part 61, Subpart V
  - C11.C.6(h) Documentation Required for Tanks and Containers Not Using Air Emission Controls
    - C11.C.6(h)(1) List of Organic Peroxide Compounds
    - C11.C.6(h)(2) Management of Organic Peroxide Compounds
    - C11.C.6(h)(3) Justification for Claiming that Air Emission Controls Would Create an Undue Safety Hazard
  - C11.C.6(i) Certifications and Identification of Clean Air Act Requirements

C11.C AIR EMISSIONS FROM TANKS, CONTAINERS, AND SURFACE IMPOUNDMENTS

[R 299.9634 and 40 CFR Part 264, Subpart CC]

Check appropriate boxed below to identify the types of units that exist at your facility.

☒ Tanks

☒ Containers

☐ Surface Impoundments

1. Tanks subject to Subpart CC regulations

All the RCRA regulated tanks at Petro-Chem are subject to Level 1 tank controls. The regulated tanks are all 30,000 gallons in size or between 75m^3 and 151m^3, which corresponds to a maximum vapor pressure of 27.6 kPa (approximately 207.02 mmHg) for the waste stored in the tanks. Vapor pressure test results provided in Volume V, Section 3, Appendix II show the fuel blend waste stored in the hazardous waste tanks are well below the 27.6 kPa threshold. The facility tests all waste stream before consolidating or commingling into these tanks. The transfer of hazardous waste between tanks subject to these regulations is conducted only through continuous hard piping. All of the regulated tanks are of a fixed roof design. A vapor balance system 'VBS' is used during the loading, unloading and transfer of waste between tanks to minimize exposure of the waste vapors to the atmosphere.

The Tanks subject to Subpart CC regulations include:

Tanks 16 – 30 (Tank System 1)
Tanks 35 – 40 (Tank System 2)
~~Tanks 69 – 72 (Tank System 3)~~: Out of Service, no longer subject to Subpart CC.

TK001 (CMB)
TK002 (CMB)

2. Containers subject to Subpart CC regulations

Examples of containers at Petro-Chem that are subject to Subpart CC include drums, totes, roll-offs and tanker trucks. Containers of less than 26 gallons capacity are exempt from control requirements. Three levels of air emission controls are designated for containers managing hazardous waste with an average VO concentration $\geq$ 500 ppmw.

- Level 1 - Container capacity > 0.1 m^3 and $\leq$ 0.46 m^3 (119 gallons) or a container larger than 0.46 m^3 that is not manage hazardous waste in light material service
- Level 2 - Containers larger than 0.46 m^3 used to manage hazardous waste in light material service
- Level 3 – The facility does not perform waste stabilization treatment in any containers. Therefore, Level 3 controls are not applicable at this facility.

These requirements are currently being met at the facility as described below.

Level 1 controls are met using DOT specification containers. Containers that do not meet applicable U.S. Department of Transportation (DOT) requirements under 49 CFR Parts 172, 173, 178, 179, and 180 will be fitted with a cover designed with no visible cracks, holes, gaps or other open spaces into

the interior container. Whenever hazardous waste is in a Level 1 container, the covers, openings and closure devices will remain closed except as follows:

1. When transferring hazardous waste into or out of the container, including continuous transfer operations.
2. Between batch transfers that will occur within 15 minutes between transfers.
3. While performing routine activities such as sampling and equipment access.

Visual inspections of all Level 1 containers are conducted within 24 hours of PCPG's receipt of the regulated waste, to ensure that there are no visible cracks, holes, gaps or other open spaces into the interior container. In addition, visual inspections are conducted during the transfer of waste into a container to ensure that closure devices are in good condition and that the container is closed when the transfer is complete. If a defect is detected in a Level 1 container, the container will be overpacked using a salvage drum or the contents will be transferred to a UN specification container.

Level 2 controls are also met using DOT specification containers. Containers that do not meet applicable U.S. Department of Transportation (DOT) requirements under 49 CFR Parts 172, 173, 178, 179, and 180 will be required to operate with no detectable emissions as determined using Method 21. Monitoring of Level 2 containers will be conducted after the container has been filled and in accordance with the requirements of 40 CFR 264.1086(g). Visual inspections of all Level 2 containers is also conducted to ensure that there are no visible cracks, holes, gaps or other open spaces into the interior container. If a defect is detected in a Level 2 container, the maintenance procedures in C11.B3 will be followed.

The vapor balance system is utilized during the transfer of waste into or out of a Level 2 containers to minimize exposure of organic emissions to the atmosphere. When transferring waste into a container, visual inspections will be conducted to ensure that closure devices are in good condition and closed when the transfer of waste is completed. Except during filling and removal operations all covers and closure devices will be secured and kept closed. Level 2 containers may remain open while performing routine activities such as sampling or equipment access, or between batch transfers into or out of the containers where the actual filling or emptying of the container occurs within 15 minutes of the prior operation.

C11.C.1 Waste Streams
[R 299.9634 and 40 CFR §264.1082(c)]

Waste streams managed at this facility in Tanks and Containers subject Subpart CC air emission controls are described in Volume I, Section 2 and Volume I, Section 2, Appendix III. Specific details on each waste stream are contained in the individual waste characterization reports (Waste Stream Profiles). The facility accepts and manages waste streams from off-site generators and some waste streams generated onsite. Organic waste is blended in the tanks to create a recycled fuel that can be burned as a fuel in permitted boilers, kilns, and industrial furnaces.

C11.C.1(a) Average VO Concentration Determination Via Direct Measurement at the Point of Waste Origination
[R 299.9634 and 40 CFR §264.1083]

The facility does not claim the exemption from Subpart CC rules provided when the average VO concentration of hazardous waste entering the unit(s) is less than 500 ppmw. Therefore, the facility is not directly measuring VOC concentrations and the remainder of this subsection is not applicable.

C11.C.1(a)(1) Identification of Point of Waste Origination
[R 299.9634 and 40 CFR §§264.1082 and 270.27(a)(7)]

The facility does not claim the exemption from Subpart CC rules provided when the average VO concentration of hazardous waste entering the unit is less than 500 ppmw. Therefore, this section is not applicable.

C11.C.1(a)(2) Sampling Parameters
[R 299.9634 and 40 CFR §264.1083(a)(2)]

The facility does not claim the exemption from Subpart CC rules provided when the average VO concentration of hazardous waste entering the unit is less than 500 ppmw. Therefore, this section is not applicable.

C11.C.1(a)(3) Analytical Results
[R 299.9634 and 40 CFR §264.1083(a)(2)]

The facility does not claim the exemption from Subpart CC rules provided when the average VO concentration of hazardous waste entering the unit is less than 500 ppmw. Therefore, this section is not applicable.

C11.C.1(a)(4) Calculation of Average VO Concentration
[R 299.9634 and 40 CFR §264.1083(a)]

The facility does not claim the exemption from Subpart CC rules provided when the average VO concentration of hazardous waste entering the unit is less than 500 ppmw. Therefore, this section is not applicable.

C11.C.1(b) Average VO Concentration Determination Via Process Knowledge at the Point of Waste Origination
[R 299.9634 and 40 CFR §264.1083(a)(2)]

The facility does not claim the exemption from Subpart CC rules provided when the average VO concentration of hazardous waste entering the unit is less than 500 ppmw. Therefore, this section is not applicable.

C11.C.1(c) Average VO Concentration Determination Via Direct Measurement at the Point of Waste Treatment
[R 299.9634 and 40 CFR §264.1083(b)]

The facility does not claim the exemption from Subpart CC rules provided when the waste has been subjected to a process that achieves an average VO reduction efficiency of 95 percent or greater with the corresponding 100 ppmw or less average VO concentration at the point of waste treatment. Therefore, this section is not applicable.

C11.C.1(c)(1) Identification of Point of Waste Origination
[R 299.9634 and 40 CFR §264.1083(b)]

The facility does not claim the exemption from Subpart CC rules provided when the waste has been subjected to a process that achieves an average VO reduction efficiency of 95 percent or greater

with the corresponding 100 ppmw or less average VO concentration at the point of waste treatment. Therefore, this section is not applicable.

C11.C.1(c)(2) Sampling Parameters
[R 299.9634 and 40 CFR §264.1083(b)]

The facility does not claim the exemption from Subpart CC rules provided when the waste has been subjected to a process that achieves an average VO reduction efficiency of 95 percent or greater with the corresponding 100 ppmw or less average VO concentration at the point of waste treatment. Therefore, this section is not applicable.

C11.C.1(c)(3) Analytical Results
[R 299.9634 and 40 CFR §264.1083(b)]

The facility does not claim the exemption from Subpart CC rules provided when the waste has been subjected to a process that achieves an average VO reduction efficiency of 95 percent or greater with the corresponding 100 ppmw or less average VO concentration at the point of waste treatment. Therefore, this section is not applicable.

C11.C.1(c)(4) Calculation of Average VO Concentration
[R 299.9634 and 40 CFR §264.1083(b)]

The facility does not claim the exemption from Subpart CC rules provided when the waste has been subjected to a process that achieves an average VO reduction efficiency of 95 percent or greater with the corresponding 100 ppmw or less average VO concentration at the point of waste treatment. Therefore, this section is not applicable. Therefore, this section is not applicable.

C11.C.1(d) Maximum Organic Vapor Pressure Determination of Hazardous Waste in a Tank Using Level 1 Controls Via Direct Measurement
[R 299.9634 and 40 CFR §264.1083(c)]

Waste that are managed in the RCRA tanks are tested in accordance with 40 CFR 264.1084(c) to confirm the maximum organic vapor pressure of the waste stream is below threshold listed in 40 CFR 264.1084 (b) or 27.6 kPa (approximately 207.02 mmHg). The waste management process, sampling and testing methods are further described in the facility's Waste Management Plan (WAP) provided in Volume I Section 3, and the Chemical and Physical Analysis documents been provided in Volume I Section 2 of this permit application. Vapor pressure analysis has been provided in Volume V, Section 3, Appendix II.

C11.C.1(d)(1) Sampling Parameters
[R 299.9634 and 40 CFR §264.1083(c)]

Waste that are managed in the RCRA tanks are tested in accordance with 40 CFR 264.1084(c) to confirm the maximum organic vapor pressure of the waste stream is below threshold listed in 40 CFR 264.1084 (b) or 27.6 kPa (approximately 207.02 mmHg). The waste management process, sampling parameters and testing methods are further described in the facility's Waste Management Plan (WAP) provided in Volume I Section 3, and the Chemical and Physical Analysis documents been provided in Volume I Section 2 of this permit application. Vapor pressure analysis has been provided in Volume V, Section 3, Appendix II.

C11.C.1(d)(2) Analytical Results
[R 299.9634 and 40 CFR §264.1083(c)]

The waste management process, sampling parameters, testing and calculation methods compliant with Method 25E in 40 CFR Part 60 are further described in the facility's Waste Management Plan (WAP) provided in Volume I Section 3 and the Chemical and Physical Analysis documents been provided in Volume I Section 2 of this permit application. Analytical vapor pressure results for the waste streams managed in the tank units are recorded electronically in the facilities electronic files. Examples are provided in Volume I Section 3 and Section 2.

C11.C.1(e) Maximum Organic Vapor Pressure Determination of Hazardous Waste in a Tank Using Level 1 Controls Via Process Knowledge
[R 299.9634 and 40 CFR §264.1083(c)]

The facility does not use process knowledge to determine organic vapor pressures of the waste streams. The facility samples and tests the waste streams to confirm compliance with the maximum organic vapor pressure limits.

C11.C.1(f) Description of Procedures for Determining No Detectable Organic Compound Emissions
[R 299.9634 and 40 CFR §§264.1083(d) and 270.27(a)(6)]

The facility is not employing close-vented systems or pressure tanks systems that require testing to show no detectable organic compound emissions. Therefore, this section is not applicable.

C11.C.2 Tanks Description
[R 299.9634 and 40 CFR §270.27(a)(1) and (3)]

All of the RCRA regulated tanks comply with Level 1 controls. All tanks are a fixed roof design forming a continuous barrier over the entire surface area of the hazardous waste in the tank, the tank lids are integral to the tank structural design and are fitted with automatic pressure relief devices. The tank systems are also connected to a vapor balance system. The facility has plans to add a carbon capture to the vapor balance system. This system is monitored under the facilities 2019 Leak Detection and Repair Monitoring Program. Information regarding RCRA tank design speciation's are provided in Volume V, Section 2 and Volume II, Section 2.

C11.C.2(a) Description of Level 1 Controls
[R 299.9634 and 40 CFR §264.1084(c)]

All air pollutant emissions from Tank Systems 1, Tank System 2 and CMB tanks 1 and 2 are controlled in accordance with Level 1 tank standards. Tank system 3, previously solvent distillation group, has been removed from service. All of the RCRA regulated tanks comply with Level 1 controls. All tanks are a fixed roof design forming a continuous barrier over the entire surface area of the hazardous waste in the tank, the tank lids are integral to the tank structural design and are fitted with automatic pressure relief devices. The tank systems are also connected to a vapor balance system. The facility has plans to add a carbon capture to the vapor balance system. This system is monitored under the facilities 2019 Leak Detection and Repair Monitoring Program. Additional Information regarding RCRA tank design speciation's are provided in Volume V, Section 2 and Volume II, Section 2.

C11.C.2(a)(1) Maximum Organic Vapor Pressure Limit Design Capacity
[R 299.9634 and 40 CFR §264.1084(b)]

All tanks are designed / constructed to hold materials with a vapor pressure of 27.6 kPa or greater. Information regarding RCRA tank design speciation's are provided in Volume V, Section 2 and Volume II, Section 2.

C11.C.2(a)(2) Description of Fixed Roof
[R 299.9634 and 40 CFR §264.1084(c)(2)]

All of the RCRA regulated tanks comply with Level 1 controls. All tanks are a fixed roof design forming a continuous barrier over the entire surface area of the hazardous waste in the tank, the tank lids are integral to the tank structural design and are fitted with automatic pressure relief devices. The tank systems are also connected to a vapor balance system. The facility has plans to add a carbon capture to the vapor balance system. This system is monitored under the facilities 2019 Leak Detection and Repair Monitoring Program. Information regarding RCRA tank design speciation's are provided in Volume V, Section 2 and Volume II, Section 2.

C11.C.2(a)(3) Description of Closure Devices and Operating Procedures
[R 299.9634 and 40 CFR §264.1084(c)(3)]

All of the RCRA regulated tanks comply with Level 1 controls. All tanks are a fixed roof design forming a continuous barrier over the entire surface area of the hazardous waste in the tank, the tank lids are integral to the tank structural design and are fitted with automatic pressure relief devices. The pressure relief valves are normally closed and only open during normal operating conditions when the pressure of the tank exceeds the operating range for the tank as a result of loading operations or diurnal ambient temperature fluctuations. The tank systems are also connected to a vapor balance system. The facility has plans to add a carbon capture to the vapor balance system. This system is monitored under the facilities 2019 Leak Detection and Repair Monitoring Program. Information regarding RCRA tank design speciation's are provided in Volume V, Section 2 and Volume II, Section 2.

C11.C.2(a)(4) Description of Inspection Procedures
[R 299.9634 and 40 CFR §264.1084(c)(4)]

The facility's inspection program has been provided in Volume I, Section 4 and describes the inspection procedures. Monitoring and Maintenance Logs have been provided in Volume V, Section 3, Appendix IV and Appendix V. The tank specific Subpart CC inspection log has been provided, Volume V, Section 4, Appendix I.

C11.C.2(b) Description of Level 2 Controls
[R 299.9634 and 40 CFR §264.1084(d)]

The facility does not operate any Level 2 tanks. All the RCRA regulated tanks comply with Level 1 controls. All tanks are a fixed roof design forming a continuous barrier over the entire surface area of the hazardous waste in the tank, the tank lids are integral to the tank structural design and are fitted with automatic pressure relief devices. The tank systems are also connected to a vapor balance

system. The facility has plans to add a carbon capture to the vapor balance system. This system is monitored under the facilities 2019 Leak Detection and Repair Monitoring Program.

C11.C.2(b)(1) Fixed Roof and Internal Floating Roof

The facility does not operate any Level 2 RCRA storage tanks with an internal floating roof design.

C11.C.2(b)(2) External Floating Roof
[R 299.9634 and 40 CFR §264.1084(f)]

The facility does not operate any Level 2 RCRA storage tanks with an external floating roof design.

C11.C.2(b)(3) Tank Vented to Closed-vent System
[R 299.9634 and 40 CFR §264.1084(g)]

The facility does not operate any Level 2 RCRA storage tanks with a closed-vented system.

C11.C.2(b)(4) Pressure Tank
[R 299.9634 and 40 CFR §264.1084(h)]

The facility does not operate any Level 2 pressurized RCRA storage tanks.

C11.C.2(b)(5) Tank Located Within an Enclosure Vented to a Combustion Device
[R 299.9634 and 40 CFR §264.1084(i)]

The facility does not operate any Level 2 RCRA storage tanks within an enclosure vented to a combustion device.

C11.C.3 Surface Impoundment Description
[R 299.9634 and 40 CFR §264.1085]

The facility does not operate any RCRA surface impoundments.

C11.C.3(a)(1) Description of Floating Membrane Cover
[R 299.9634 and 40 CFR §§264.1085(c) and 270.27(a)(4)]

The facility does not operate any RCRA surface impoundments.

C11.C.3(a)(2) Description of Cover Vented through a Closed-Vent System
[R 299.9634 and 40 CFR §264.1085(d)]

The facility does not operate any RCRA surface impoundments.

C11.C.4 Container Descriptions
[R 299.9634 and 40 CFR §§264.1086, and 270.27(a)(2)]

Containers used to manage hazardous waste with greater than 500 ppmw total VO are DOT specification containers which meet Level 1 and Level 2 container emission control requirements.

The facility does not treat hazardous waste in containers by a waste stabilization process, therefore, Level 3 container standards are not applicable.

C11.C.4(a) Description of Container Level 1 Controls
[R 299.9634 and 40 CFR §264.1086(b) and (c)]

Containers used to manage hazardous waste with greater than 500 ppmw total VO are DOT specification containers which meet Level 1 and Level 2 container emission control requirements.

C11.C.4(a)(1) Michigan Department of Transportation Specifications
[R 299.9634 and 40 CFR §264.1086(c)(1)]

Containers used to manage hazardous waste with greater than 500 ppmw total VO are DOT specification containers which meet Level 1 and Level 2 container emission control requirements. DOT and MDOT specification container types are provided in Volume V, Section 1, Appendix I.

C11.C.4(a)(2) Cover and Closure Devices
[R 299.9634 and 40 CFR §264.1086(c)]

Containers used to manage hazardous waste with greater than 500 ppmw total VO are DOT specification containers which meet Level 1 and Level 2 container emission control requirements. DOT and MDOT specification container types are provided in Volume V, Section 1, Appendix I.

C11.C.4(a)(3) Open-Top Containers with Organic Vapor-Suppressing Barrier
[R 299.9634 and 40 CFR §264.1086(c)]

The facility does not use organic vapor suppression barriers to meet subpart CC requirements. Containers used to manage hazardous waste with greater than 500 ppmw total VO are DOT specification containers which meet Level 1 and Level 2 container emission control requirements. DOT and MDOT specification container types are provided in Volume V, Section 1, Appendix I.

C11.C.4(a)(4) Inspection Procedures
[R 299.9634 and 40 CFR §264.1086(c)(4)]

Container inspection procedures are described in the Inspection Plan provided in Volume I, Section 4.

C11.C.4(b) Description of Container Level 2 Controls
[R 299.9634 and 40 CFR §264.1086(d)]

Containers used to manage hazardous waste with greater than 500 ppmw total VO are DOT specification containers which meet Level 1 and Level 2 container emission control requirements. DOT and MDOT specification container types are provided in Volume V, Section 1, Appendix I.

C11.C.4(b)(1) Michigan Department of Transportation Specifications
[R 299.9634 and 40 CFR §264.1086(d)(1)]

Containers used to manage hazardous waste with greater than 500 ppmw total VO are DOT specification containers which meet Level 1 and Level 2 container emission control requirements. DOT and MDOT specification container types are provided in Volume V, Section 1, Appendix I.

C11.C.4(b)(2) Container Operating with No Detectable Emissions
[R 299.9634 and 40 CFR §264.1086(d)(1)]

Containers used to manage hazardous waste with greater than 500 ppmw total VO are DOT specification containers which meet Level 1 and Level 2 container emission control requirements. DOT and MDOT specification container types are provided in Volume V, Section 1, Appendix I. The facility does not use containers that require testing so show no detectable emissions.

C11.C.4(b)(3) Containers Demonstrated to be Vapor-Tight
[R 299.9634 and 40 CFR §264.1086(d)(1)]

Containers used to manage hazardous waste with greater than 500 ppmw total VO are DOT specification containers which meet Level 1 and Level 2 container emission control requirements. DOT and MDOT specification container types are provided in Volume V, Section 1, Appendix I. The facility does not use containers that require vapor tight testing and documentation.

C11.C.4(b)(4) Container Waste Transfer Procedures
[R 299.9634 and 40 CFR §264.1086(d)(2)]

The facility operates a vapor balance system to collect and control the vapors displaced from the larger container during filling / transfer operations. Vapors from smaller container transfers will be captured and run thru carbon air filtrations system. The process and documentation for transferring hazardous waste containers with greater than 500 ppmw total VO to or from Level 2 containers is described in Volume V, Section 5 process description documents.

C11.C.4(b)(5) Cover and Closure Management Procedures
[R 299.9634 and 40 CFR §264.1086(d)(3)]

The process and documentation for cover and closure of hazardous waste containers with greater than 500 ppmw total VO to or from Level 2 containers is described in Volume V, Section 5 process description documents.

C11.C.4(b)(6) Inspection Procedures
[R 299.9634 and 40 CFR §264.1086(d)(4)]

The procedures and documentation for inspection of Level 2 containers is described in Volume V, Section 5 process description documents. A copy of the daily inspection log has been provided in Volume I, Section 4 Appendix I. Level 2 containers are inspected within 24 hours of receipt and every 12 months, thereafter. Containers subject to Level 2 requirements and found defective or not in compliance will be overpack or otherwise repackaged to bring the container into compliance.

C11.C.4(c) Description of Container Level 3 Controls
[R 299.9634 and 40 CFR §264.1086(e)]
The facility does not accept or manage containers subject to Level 3 controls. Therefore, the remainder of this section is not applicable.

C11.C.4(c)(1) Closed-Vent System Vented to a Control Device
[R 299.9634 and 40 CFR §264.1086(e)(1)(i) and (2)(ii)]
The facility does not accept or manage containers subject to Level 3 controls. Therefore, the remainder of this section is not applicable.

C11.C.4(c)(2) Container Vented to an Enclosure That Is Vented to a Control Device
[R 299.9634 and 40 CFR §264.1086(e)(1)(ii) and (2)(i)]

The facility does not accept or manage containers subject to Level 3 controls. Therefore, the remainder of this section is not applicable.

C11.C.4(c)(3) Safety Devices
[R 299.9634 and 40 CFR §264.1086(e)(3)]

The facility does not accept or manage containers subject to Level 3 controls. Therefore, this section is not applicable.

C11.C.4(c) 4) Inspection and Monitoring Procedures
[R 299.9634 and 40 CFR §264.1086(e)(4)]

The facility does not accept or manage containers subject to Level 3 controls. Therefore, this section is not applicable.

C11.C.4(c)(5) Records Management
[R 299.9634 and 40 CFR §264.1086(e)(5)]

The facility does not accept or manage containers subject to Level 3 controls. Therefore, this section is not applicable.

C11.C.4(c)(6) Waste Transfer Procedures
[R 299.9634 and 40 CFR §264.1086(e)(2)]

The facility does not accept or manage containers subject to Level 3 controls. Therefore, the remainder of this section is not applicable.

C11.C.5 Description of Closed-Vent Systems and Control Devices
[R 299.9634 and 40 CFR §§264.1087 and 270.27(a)(5)]

The facility does not operate a closed vented system. Therefore, this section is not appliable.

C11.C.5(a)(1) Description of Closed-Vent System
[R 299.9634 and 40 CFR §264.1087(b)]

The facility does not operate a closed vented system. Therefore, this section is not appliable.

C11.C.5(a)(2) Description of Control Devices
[R 299.9634 and 40 CFR §264.1087(c)]

The facility does not operate a closed vented system. Therefore, this section is not appliable.

C11.C.5(a)(3) Inspection Procedures
[R 299.9634 and 40 CFR §264.1087(b)(4) and (c)(7)]

Inspection procedures and forms have been provided in Volume I, Section 5.

C11.C.6 Description of Record Keeping Procedures
[R 299.9634 and 40 CFR §264.1089(a)]

Inspection forms and procedures for record keeping have been provided in Volume I, Section 5.

C11.C.6(a) Description of Tank Record Keeping Procedures
[R 299.9634 and 40 CFR §264.1089(b)]

Inspection forms and procedures for record keeping have been provided in Volume I, Section 5.

C11.C.6(a)(1) Tank Identification Numbers
[R 299.9634 and 40 CFR §264.1089(b)(1)(i)]

Tanks have been provided and labeled with a unique identification number. A list of tanks with identification numbers has been provided in Volume V, Section 2, Appendix I.

C11.C.6(a)(2) Inspection Records
[R 299.9634 and 40 CFR §264.1089(b)(1)(ii)]

A description of the information that is recorded during tank inspection has been provided in Volume I, Section 5. The facility does not operate any floating roof designed tanks.

C11.C.6(a)(3) Documentation for Determination of Maximum Organic Vapor Pressure for Fixed Roof Level 1 Controls
[R 299.9634 and 40 CFR §264.1089(b)(2)(i)]

A description of the procedures and documentation for determining the organic vapor pressure of the waste streams managed at the facility in Level 1 tanks has been provided in Volume I, Section 3, Waste Analysis Plan. Vapor pressure testing data has been provided in Volume V, Section 3, Appendix II.

C11.C.6(a)(4)2 Documentation Showing Internal Floating Roof Design
[R 299.9634 and 40 CFR §264.1089(b)(2)(ii)]

The facility does not operate tanks with a floating roof design. Therefore, this section is not applicable.

C11.C.6(a)(5) Documentation Showing External Floating Roof Design and Seal Inspections
[R 299.9634 and 40 CFR §264.1089(b)(2)(iii)]

The facility does not operate tanks with a floating roof design. Therefore, this section is not applicable.

C11.C.6(a)(6) Calculations and Records for Demonstrating Compliance with Enclosure Requirements for Level 2 Controls
[R 299.9634 and 40 CFR §264.1089(b)(2)(iv)]

The facility does not operate tanks with Level 2 controls. Therefore, this section is not applicable.

C11.C.6(b) Description of Surface Impoundment Record Keeping Procedures
[R 299.9634 and 40 CFR §264.1089(c)]

The facility does not operate any hazardous waste surface impoundments. Therefore, this section is not applicable.

C11.C.6(b)(1) Surface Impoundment Identification Numbers
[R 299.9634 and 40 CFR §264.1089(c)(1)]

The facility does not operate any hazardous waste surface impoundments. Therefore, this section is not applicable.

C11.C.6(b)(2) Floating Membrane or Cover Certifications
[R 299.9634 and 40 CFR §264.1089(c)(2)]

The facility does not operate any hazardous waste surface impoundments. Therefore, this section is not applicable.

C11.C.6(b)(3) Inspection Records
[R 299.9634 and 40 CFR §264.1089(c)(3)]

The facility does not operate any hazardous waste surface impoundments. Therefore, this section is not applicable.

C11.C.6(b)(4) Closed-Vent System and Control Device Certifications and Records
[R 299.9634 and 40 CFR §264.1089(c)(4)]

The facility does not operate a closed-vented system with an air emission control device. Therefore, this section is not applicable.

C11.C.6(c) Description of Container Level 3 Control Record Keeping Procedures
[R 299.9634 and 40 CFR §264.1089(d)]

The facility does not accept or manage containers subject to Level 3 controls. Therefore, this section is not applicable.

C11.C.6(c)(1) Calculations Verifying Compliance with Enclosure Requirements
[R 299.9634 and 40 CFR §264.1089(d)(1)]

The facility does not accept or manage containers subject to Level 3 controls. Therefore, this section is not applicable.

C11.C.6(c)(2) Closed-Vent System and Control Device Certifications and Records
[R 299.9634 and 40 CFR §264.1089(d)(2)]

The facility does not operate a closed-vented system with an air emission control device. Therefore, this section is not applicable.

C11.C.6(d) Closed-Vent System and Control Device Records
[R 299.9634 and 40 CFR §264.1089(e)]

The facility does not operate a closed-vented system with an air emission control device. Therefore, this section is not applicable.

C11.C.6(d)(1) Performance Certification
[R 299.9634 and 40 CFR §264.1089(e)(1)(i)]

The facility does not operate a closed-vented system with an air emission control device. Therefore, this section is not applicable.

C11.C.6(d)(2) Design Analysis Documentation
[R 299.9634 and 40 CFR §264.1089(e)(1)(i)(ii)]

The facility does not operate a closed-vented system with an air emission control device. Therefore, this section is not applicable.

C11.C.6(d)(3) Performance Test Plan and Results
[R 299.9634 and 40 CFR §264.1089(e)(1)(i)(iii)]

The facility does not operate a closed-vented system with an air emission control device. Therefore, this section is not applicable.

C11.C.6(d)(4) Descriptions of Sensors, Modifications, and Locations
[R 299.9634 and 40 CFR §264.1089(e)(1)(i)(iv)]

The facility does not operate a closed-vented system with an air emission control device. Therefore, this section is not applicable.

C11.C.6(d)(5) Planned Routine Maintenance Schedules
[R 299.9634 and 40 CFR §264.1089(e)(1)(i)(v)]

The facility does not operate a closed-vented system with an air emission control device. Therefore, this section is not applicable.

C11.C.6(d)(6) Descriptions of Unplanned Malfunctions
[R 299.9634 and 40 CFR §264.1089(e)(1)(i)(vi)]

The facility does not operate a closed-vented system with an air emission control device. Therefore, this section is not applicable.

C11.C.6(d)(7) Management of Carbon Removed from a Carbon Absorption System
[R 299.9634 and 40 CFR §264.1089(e)(1)(i)(vii)]

The facility does not operate a closed-vented system with an air emission control device. Therefore, this section is not applicable.

C11.C.6(e) Records Required for Exempt Units
[R 299.9634 and 40 CFR §264.1089(f)]

The facility does not operate any exempt units. Therefore, this section is not applicable.

C11.C.6(e)(1) Waste Determination Results
[R 299.9634 and 40 CFR §264.1089(f)(1)]

The facility does not operate any exempt units. Therefore, this section is not applicable.

C11.C.6(e)(2) Identification Numbers of Treatment Units
[R 299.9634 and 40 CFR §264.1089(f)(2)]

The facility does not operate any exempt units. Therefore, this section is not applicable.

C11.C.6(f) Description of Covers Designated as Unsafe to Inspect and Monitor
[R 299.9634 and 40 CFR §264.1089(g)]

The facility has not designated any covers as unsafe to inspect. Therefore, this section is not applicable.

C11.C.6(g) Documentation of Alternative Compliance with 40 CFR Part 60, Subpart VV, or 40 CFR Part 61, Subpart V
[R 299.9634 and 40 CFR §264.1089(h)]

The facility complies with the RCRA air emission requirements found in 40 CFR 264 Subpart CC directly. The facility air permit will not be used to document compliance with 40 CFR 264 Subpart CC. This section is not applicable.

C11.C.6(h) Documentation Required for Tanks and Containers Not Using Air Emission Controls
[R 299.9634 and 40 CFR §264.1089(i)]

The facility complies with air emission control requirements for regulated tanks and containers specified in 40 CFR 264.1084 through 264.1087 in accordance with the requirements of 40 CFR 264.1080(b)(7). Therefore, this section is not applicable.

C11.C.6(h)(1) List of Organic Peroxide Compounds
[R 299.9634 and 40 CFR §264.1089(i)(1)]

The facility does not apply organic peroxide compound exemption provided by 40 CFR 264 Subpart CC to any of its operations.

C11.C.6(h)(2) Management of Organic Peroxide Compounds
[R 299.9634 and 40 CFR §264.1089(i)(2)]

The facility does not apply organic peroxide compound exemption provided by 40 CFR 264 Subpart CC to any of its operations.

C11.C.6(h)(3) Justification for Claiming that Air Emission Controls Would Create an Undue Safety Hazard
[R 299.9634 and 40 CFR §264.1089(i)(3)]

The facility has not claimed air emission controls would create an undue safety hazard. Therefore, this section is not applicable.

C11.C.6(i) Certifications and Identification of Federal Clean Air Act of 1990 Requirements
[R 299.9634 and 40 CFR §264.1089(j)(1) and (2)]

The facility complies with the RCRA air emission requirements found in 40 CFR 264 Subpart CC directly. The facility air permit will not be used to document compliance with 40 CFR 264 Subpart CC. This section is not applicable.

Appendix I

CC Inspection Log

DAILY OPERATIONAL INSPECTION LOG

WEEK BEGINNING:							
INSPECTOR:							
TIME:							
		M	T	W	R	F	Comments/Repair Date
Tank System 1 (Formerly PCPG West Tank Farm) Unloading/Loading Area							
Pumps							
	Leaks, seals						
	Deterioration						
	Gaskets, excess noise						
Piping to/from pumps							
	Leaks						
	Corrosion						
	Open ends						
Bonding							
	Condition						
Filters							
	Condition						
Flex Hoses							
	Leaks						
	Deterioration						
Containment/Pad area							
	Leaks						
	Housekeeping						
	Cracks						
General Housekeeping							
Tank System 2 (Formerly SBS Tank Farm) Loading/Unloading Area							
Pumps							
	Leaks, seals						
	Deterioration						
	Gaskets, excess noise						
Piping to/from pumps							
	Leaks						
	Corrosion						
	Open ends						
Bonding							
	Condition						
Filters							
	Condition						
Flex Hoses							
	Leaks						
	Deterioration						
Containment/Pad area							
	Leaks						
	Housekeeping						
	Cracks						

		M	T	W	R	F	Comments/Repair Date
General Housekeeping							
CMB Tanks loading/unloading Area							
Pumps							
	Leaks, seals						
	Deterioration						
	Gaskets, excess noise						
Piping to/from pumps							
	Leaks						
	Corrosion						
	Open ends						
Bonding							
	Condition						
Filters							
	Condition						
Flex Hoses							
	Leaks						
	Deterioration						
Containment/Pad area							
	Leaks						
	Housekeeping						
	Cracks						
General Housekeeping							

Section 5

Process Descriptions

PROCESS DESCRIPTIONS

Petro-Chem

Process Descriptions

2022 RCRA Permit Reapplication

Volume V, Section 5 Waste Management systems

PROCESS DESCRIPTIONS

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PROCESS DESCRIPTIONS

The following document describes the hazardous waste processing that occurs at the Petro-Chem facility. Process flow diagrams that show the movement of waste thru the facility have been included as Appendix A. Appendix B includes a list of hazardous waste storage units located onsite and Appendix C includes a list of the hazardous waste management units (fuel blending tanks and pump/vacuum consolidation and commingling area).

1.0 Container Management Building (CMB)

Facility Map ID 1

The CMB is the main container offloading, processing and storage area at the Facility. This building contains nine loading/unloading bays, 2 X 6,000-gallon storage tanks, and a labpack / loose pack consolidation/commingling process area. The building also has as pump room process area where liquids are pumped or vacuumed from containers into a vacuum truck where they are commingled with other wastes and then transferred to tanks in one of the tank farms. This containerized waste transfer / comingling process will continue to operate until the new CMB2 building with the new containerized waste process area has been constructed. The current process of transferring and commingling of containerized waste in the CMB will be moved to the new CMB2 building once it is operational. The transferring and commingling of wastes from drums, totes and other small containers can be separated into four categories as follows:

(1) Transferring/comingling of waste from containers directly into tanks via pumping
(2) Transferring/comingling of waste from containers by vacuuming into the tanker truck which then transfers the bulked waste to tanks onsite.
(3) Lab-Pack repackaging and comingling. This process includes unpacking lab-packs to consolidate containers with like materials into larger containers or pouring the contents of containers into larger containers and tanks.
(4) Loose-Pack repackaging. This process includes consolidating like wastes and pouring waste into larger contains or tanks.

The lab-pack and loose-pack processes (3) and (4) will continue in this main CMB building and are described in section 1.1 below. The pumping/vacuuming processes will eventually be moved to the new CMB2 building. Therefore, the pumping and vacuuming processes (1) and (2) are further discussed in Section 2 below.

1.1 CMB Containerized Waste Consolidation/Commingling

Lab-pack waste is packaged in small (e.g., once sizes up to five-gallon) containers that are placed inside larger drums filled with absorbing packing material. Process operators will identify the lab-pack waste types that can be consolidated and commingled by pouring into larger containers of waste as follows:

(1) RCRA waste types that will be consolidated or commingled into larger containers are limited to DOT hazard classes 3, 6, and 9. The inner containers of the lab-packs will be poured into a compatible container for transfer to either the two CMB 6,000 gallon waste storage tanks, tthe

PROCESS DESCRIPTIONS

West Tank Farm (Tank System 1) or the SBS Tank Farm (Tank System 2)

(2) Non-RCRA regulated liquids, oils or other combustible liquids will be poured into a compatible container and then transferred to non-RCRA regulated tanks in the SDG non-regulated Waste Storage Tank Farm (Tank System 3). Non-RCRA regulated materials may also be bulked into RCRA Tanks. However, RCRA wastes will not be bulked into Tank System 3.

(3) Acidic waste will be poured into an acid waste storage drum through a bung funnel.

(4) Basic waste will be poured into a basic waste storage drum through a bung funnel.

The acidic and basic waste drums will be sealed when full and stored until they can be transferred off-site for further management.

The inner packages of lab packs may be repackaged into other containers for shipment off-site for further management.

Loose Pack
The inner packages containing similar material will be repackaged into larger outer containers (pails, drums, totes, bulk containers). Compatible materials of similar type will be commingled into other containers. Reactive materials will not be commingled.

Solids
Containerized solids of compatible wastes may be comingled into roll-off boxes for transfer off-site for further management. The types of solids to be commingled will include non-dusty, non-hazardous solids and DOT hazard classes: 4.1, 6, 8 (caustic) and 9. This activity will occur at the loading/unloading bays where fire suppression systems are installed.

2.0 Container Management Building No. 2 (CMB-2)

Facility Map ID 22

Container management building number 2 (CMB2) is a new building constructed where the previous non-regulated tank farm was located. CMB2 will augment the main container management building (CMB). The operations will include container QAQC, offloading/bulking commingling processing and storage areas. This newly constructed building will have two loading/unloading bays. The pump room operations from the main CMB will be relocated to CMB2. The container bulking process will be located inside the building and the air from the bulking area will be collected and routed to a carbon capture vent system. The offloading/bulking processing will transfer pumpable waste via pumps or vacuum trucks from the containers (drums, totes and small containers) to

PROCESS DESCRIPTIONS

tanks in the tank farm (TS1 or TS2). This process will also include consolidating/repackaging the residual solids or sludges remaining in the containers into compatible containers for processing off site.

2.1 Container/Drum Processing Area

CMB2 will receive waste in drums, totes or other small containers. The containers will be unloaded directly at the truck dock or transferred from the main CMB or other permitted storage areas on site. Containers to be process will be opened, the drum lid will be removed, and a compatibility test performed. Once it is determined that the material is compatible, a pump lance will be inserted into the liquid waste. The waste will be pumped from the container until only a residual heal remains. The container will then be moved to a solids removal area where residual waste will be removed from the container and consolidated into another container. After removing the residual solid waste from the container, the lid or closure will be re-attached. RCRA empty drums will be moved to the empty drum trailer. Once the empty drum trailer is full the empty drums will be shipped off site to be recycled or reconditioned. Other non-recyclable RCRA empty containers will be properly managed or disposed.

The container processing area will manage a maximum of approximately 10 drums per hour and 30,000 drums per year. The pumpable waste will be blended into the tanks in Tank System 1 or Tank System 2. The types of waste managed will include RCRA/Non-RCRA waste types and limited to DOT hazard classes 3, 6, and 9.

Non-RCRA regulated liquids, oils or other combustible liquids can be pumped into a compatible container and then transferred to SDG Waste Storage Tank Farm (Tank System 3). Non-RCRA regulated materials may also be bulked into RCRA Tanks. However, RCRA wastes will not be bulked into Tank System 3.

2.2 Container/Drum Vacuuming

Drum vacuuming may also be conducted using the process similar to the pumping described in Section 2.1 above. The only difference will be the waste will be vacuumed from containers into the vacuum tanker truck rather than being pumped directly into the storage tanks. Waste collected by the vacuum truck will be temporarily stored in the vacuum truck tank before being driven over to and off loaded into Tank System 1 or Tank System 2. Waste types will include RCRA/Non-RCRA waste types and limited to DOT hazard classes 3, 6, and 9.

3.0 QAQC / Sun Porch Storage Area

Facility Map ID 16

The QAQC area, also called the sun porch, is used for standard RCRA storage including consolidation of hazardous and non-hazardous waste between containers and into

PROCESS DESCRIPTIONS

tanks, container staging and sampling. The area is constructed of concrete. The facility has plans to build a building over this area to provide protection from the weather.

4.0 Dock Two

Facility Map ID 15

Dock two is used for standard RCRA storage of hazardous wastes, non-hazardous and universal wastes. Compatible materials in containers in this area may be commingled into roll-offs, into new containers, or into tanks. The area is approximately 55’ x 60’. This dock has a set back from the property line. All flammable liquids and oxidizer wastes will be stored compliant with the 50-foot set back from the property line.

5.0 Dock Three

Facility Map ID 10

The Dock Three truck well is constructed of lined/coated concrete and measures approximately 17’ x 45’. This dock primarily serves as a container storage area for outbound loads. This area may also be used for commingling or consolidation of hazardous or non-hazardous waste between containers and into roll off boxes or tanks. The dock is partially canopied to prevent accumulation of stormwater. The dock is also sloped to provide containment and prevent run-off. This dock area may also be used for commingling/consolidation of hazardous and nonhazardous materials

6.0 Dock Four

Facility Map ID 9

Dock Four has approximate dimensions of 27 feet by 50 feet. The truck well is constructed of lined/coated concrete, is sloped to the back to provide containment, and has a canopy to prevent accumulation of stormwater. This dock is used as a container storage area for outbound shipments and commingling/consolidation of hazardous or nonhazardous materials into containers, roll of boxes or tanks.

7.0 1st Floor Operations Building

Facility Map ID 11

The 1st floor Operations Building is used for the storage of containerized RCRA and non-RCRA wastes and staging of containers for outbound shipment. A self-contained storage closet is used to store reactive type wastes (DOT hazard classes 1.4s, 1.4g, 4.2, 4.3, 5). This area may also be used for commingling or consolidation of hazardous or non-hazardous waste between containers or into tanks.

8.0 SBS Container Storage Area

Facility Map ID 25

This enclosed area is used for the storage of containerized hazardous and non-hazardous wastes. A chain linked cage approx 20 feet by 20 feet will be utilized for the

PROCESS DESCRIPTIONS

secure storage of hazardous and non-hazardous pharmaceutical (Rx and DEA/State regulated) wastes and the waste adulteration process. This area may also be used for commingling or consolidation of hazardous or non-hazardous waste between containers or into tanks.

9.0 SBS Dock Storage Area

Facility Map ID 24

The SBS Dock Storage Area is primarily used for the storage of hazardous and non-hazardous wastes as well as the commingling/consolidation of hazardous and non-hazardous waste solids limited to DOT hazard classes 4.1, 6, 8 (caustic) and 9.

10.0 SBS Solids Area

Facility Map ID 23

The SBS Solids Area is primarily utilized for the storage of hazardous and non-hazardous wastes as well as the commingling/consolidation of hazardous and non-hazardous waste solids limited to DOT hazard classes 4.1, 6, 8 (caustic) and 9.

11.0 Tank System One (West Tank Farm)

Facility Map ID 18

The West Tank Farm (Tanks 16 through 30) receives bulk and containerized fuel type hazardous wastes for storage, commingling and blending into fuel products or material. Wastes may be received via tanker truck, facilities vacuum tanker or pumped from containers staged/stored at the transfer pad. Pumpable waste from containers located in the CMB or CMB2 drum pumping area described in Section 2.0 above can transferred directly into the tank system via overhead pipe.

11.1 TS1 Transfer Pad

Facility Map ID 19

The truck load/unloading transfer pad area may also be used for standard RCRA storage or staging containers prior to processing through the pumping stations or a vacuum truck into the tank system. The transfer pad may also be used for commingling or consolidation of hazardous or non-hazardous waste between containers.

12.0 Tank System Two (SBS Tank Farm)

Facility Map ID 21

Tank System two, also called the SBS Tank Farm, includes Tanks 35 through 40. These tanks receive bulk and containerized fuel type wastes for storage, commingling and blending into fuel products or incinerator feed material. Wastes may be received via tanker truck, facilities vacuum tanker or pumped from containers staged/stored at the transfer pad. Pumpable waste from containers located in the CMB or CMB2 drum

PROCESS DESCRIPTIONS

pumping area described in Section 2.0 above can transferred directly into the tank system via overhead pipe.

12.1 TS2 Transfer Pad

Facility Map ID 20

The transfer pad was designed to provide containment for loading and unloading from tanker / vacuum trucks. The truck load/unloading transfer pad area may also be used for RCRA storage or to stage containers prior to processing through the pumping stations or a vacuum truck into the tank system. The transfer pad may also be used for commingling or consolidation of hazardous or non-hazardous waste between containers.

13.0 Tank System Three (SDG Tank Farm)

Facility map ID 13

Tank System 3, also called the SDG Waste Storage Tank Farm, includes tanks 61 through 68 all of which are non-RCRA regulated. Tanks 61 – 68 are used for non-hazardous wastes storage and comingling. Tanks 69 – 72 which were hazardous waste tanks located in this tank farm have been closed and removed from service.

13.1 TS3 Transfer Pad

Facility map ID 14

The transfer pad associated with this tank farm will continue to be used to store both hazardous and non-hazardous waste containers. Only non-RCRA regulated materials will be process directly into Tanks 67 thru 68. RCRA Hazardous waste will not be pumped into or commingled with non-hazardous wastes in tanks 61 thru 68. RCRA waste containers in the transfer pad area may be vacuumed into the vacuum truck and transferred to one of the RCRA regulated tanks. The transfer pad may also be used for commingling or consolidation of hazardous waste between containers.

PROCESS DESCRIPTIONS

14.0 Sequence of Operations

Flow charts for each of the operations have been provided in Volume V, Section 5 Appendix A.

1. Load Arrival

All wastes destined for receipt at Petro-Chem will be inspected. Loads (truck, trailers) may be staged at the 72-hour trailer pad (facility map ID 8) in a hold pattern prior to relocation to the container offload areas or tank system offload areas.

1.1. Containerized Wastes

All containerized wastes will be directed to one of nine off-loading bays at the CMB for inspection; Wastes destined for storage in SBS Storage Areas or CMB2 may be directed to the SBS Loading Dock or CMB2 dock.

1.2. Tanker Truck Wastes

Wastes arriving in tanker trucks for receipt at the tank systems will be directed to the appropriate transfer pad for sampling.

2. Receiving Inspection

2.1. Containerized Loads

2.1.1. Each package will be unloaded from the transport unit and inspected as per the Waste Analysis Plan

2.1.2. Packages will be staged in the CMB awaiting lab verification

2.1.3. Once verification from the lab is received, each container will be transferred to the appropriate container storage area for:

2.1.3.1. eventual transportation off-site to an authorized facility for further management or

2.1.3.2. commingling or consolidation prior to shipping off site for to an authorized facility further management

2.2. Bulk Tanker Truck Loads

2.2.1. Each truck will be staged at the appropriate tank system load/unload pad and sampled as per the Waste Analysis Plan

2.2.2. Once lab verification is complete, the load will be transferred into the tank system

2.3. Bulk Solids Loads

Each bulk container will be staged at the CMB loading dock, CMB2 dock, Dock 2, Dock 3, Dock 4, SBS Dock Storage Area or SBS Solids Storage Area for sampling and verification. Staging may also occur at the tank system load/unload pads.

PROCESS DESCRIPTIONS

3. Processing

3.1. Commingling

3.1.1. Labpack Area (Combination Packaging Processing Stations – CPPS)
Loose packs and/or labpacks may be commingled in Labpack Depack work stations. The commingled waste container will be properly marked, labeled then transferred to the appropriate storage area for eventual transportation off-site to an authorized facility for further management.

3.1.2. Pump Room (CMB /CMB2)

3.1.2.1. Compatible wastes may be commingled through the Pump Room equipment then transferred to either CMB Tank 1 or CMB Tank 2 for blending at West Tank Farm (Tank System 1) or the SBS Tank Farm (Tank System 2). Non-RCRA waste may be transferred to Tank System 3. Wastes commingled through the use of a vacuum truck may be transferred directly to Tank System 1 or 2.

3.1.2.2. Flammable wastes may also be commingled in the pump room fumehood area (PR-CPPS)

3.1.2.3. The new CMB2 pump room will be vented to a carbon capture system and will have a fire suppression system.

3.1.3. CMB Dock
Compatible non-dusty solid wastes may be consolidated/commingling into roll-offs at the loading dock

3.1.4. Dock 2
Compatible non-dusty non-RCRA solid wastes may be consolidated/commingled into roll-offs

3.1.5. Dock 3
Compatible non-dusty solid wastes may be consolidated/commingling into roll-offs

3.1.6. Dock 4
Compatible non-dusty solid wastes may be consolidated/commingling into roll-offs

3.1.7. SBS Solids Area
Compatible non-dusty solid wastes may be consolidated/commingling into roll-offs

3.1.8. SBS Dock Area
Compatible non-dusty solid wastes may be consolidated/commingling into roll-offs

3.2. Blending
Blending of hazardous waste fuel type wastes will occur at West Tank Farm (TS1), SBS Tank Farm (TS2), and CMB Tanks 1 & 2. Both containerized and bulk fuel type wastes will be blended via staging at these tank system transfer

pads in addition to the dock/transfer pad associated with the new CMB2 building, (previously the Tank System 4 Transfer Pad).
Non-RCRA regulated fuel waste will be blended in the Tank System 3, (TS3 also known as the SDG Waste Storage Tank Farm).

3.3. Consolidation

Labpacks and loose packs may be repackaged to maximize the contents of the outer container. This activity may occur in the CMB Labpack Depack Area (CPPS), CMB/CMB-2 Pump Room fume hood (PR-CPPS), SBS Dock Storage Area or SBS Container Storage Area.

3.4. Adulteration

Pharmaceutical type wastes may be adulterated to prevent reintroduction into a supply chain or human consumption. This will be accomplished by commingling specific pharmaceutical wastes in a container of compatible waste solvent. This activity will occur in the caged area of the SBS Container Storage Area.

3.5. Waste Storage

3.5.1. Containerized Wastes

Containerized Waste will be stored in CMB Storage Areas (container storage areas 1 thru 11, CPPS, PR-CPPS), CMB Docks, CMB2, CMB2 Dock, Dock 1, Dock 2, Dock 3, Dock 4, SBS Container Storage Area, SBS Dock Storage, SBS Solids Area, QAQC Sun Porch area and Transfer Pads (TS1, TS2, TS3) for up to one year.

3.5.2. Bulk Wastes

3.5.2.1. Non-corrosive liquid wastes will be stored in the West Tank Farm (TS1), SBS Tank Farm (TS2), and CMB Tanks 1 & 2.

3.5.3. 72 Hour Staging

3.5.3.1. Truck Pad (Facility Map ID 8)

Trucks may be staged on the 72 hour pad prior to receipt or shipment.

3.6. Packaging

Compatible wastes may be repackaged to maximize inner contents of the outer package. This may occur in the CMB Labpack Depack Areas (CPPS, PR-CPPS), CMB2, SBS Dock Area or SBS Container Storage Area + 1st Floor Operations Building

4. Shipment

All waste received from off-site sources or generated from processing activities will be shipped off-site to authorized facilities for further management and disposal. The facility does not dispose of any waste on site.

Appendix A

Process Flow Diagrams

BULK FUEL PROCESS FLOW

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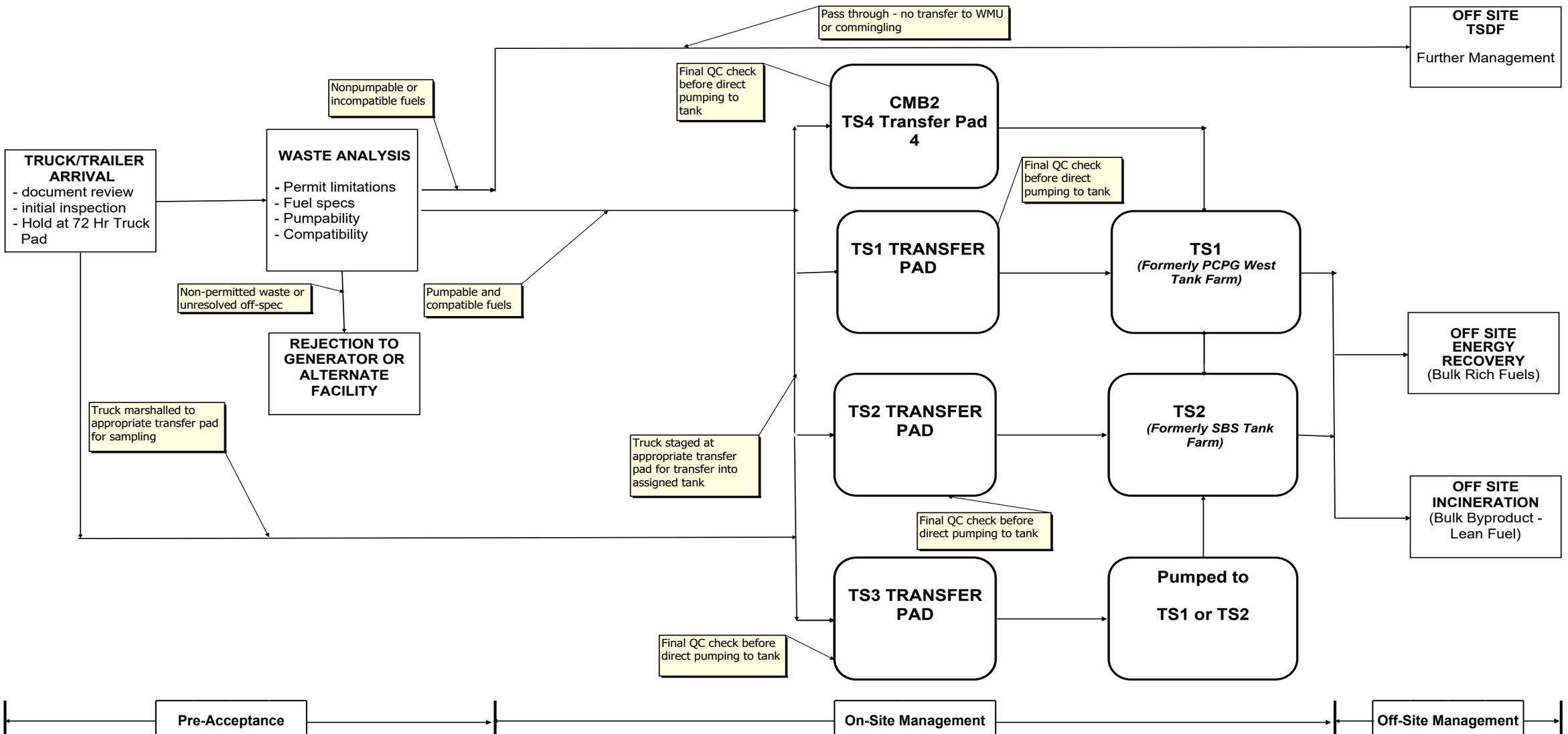
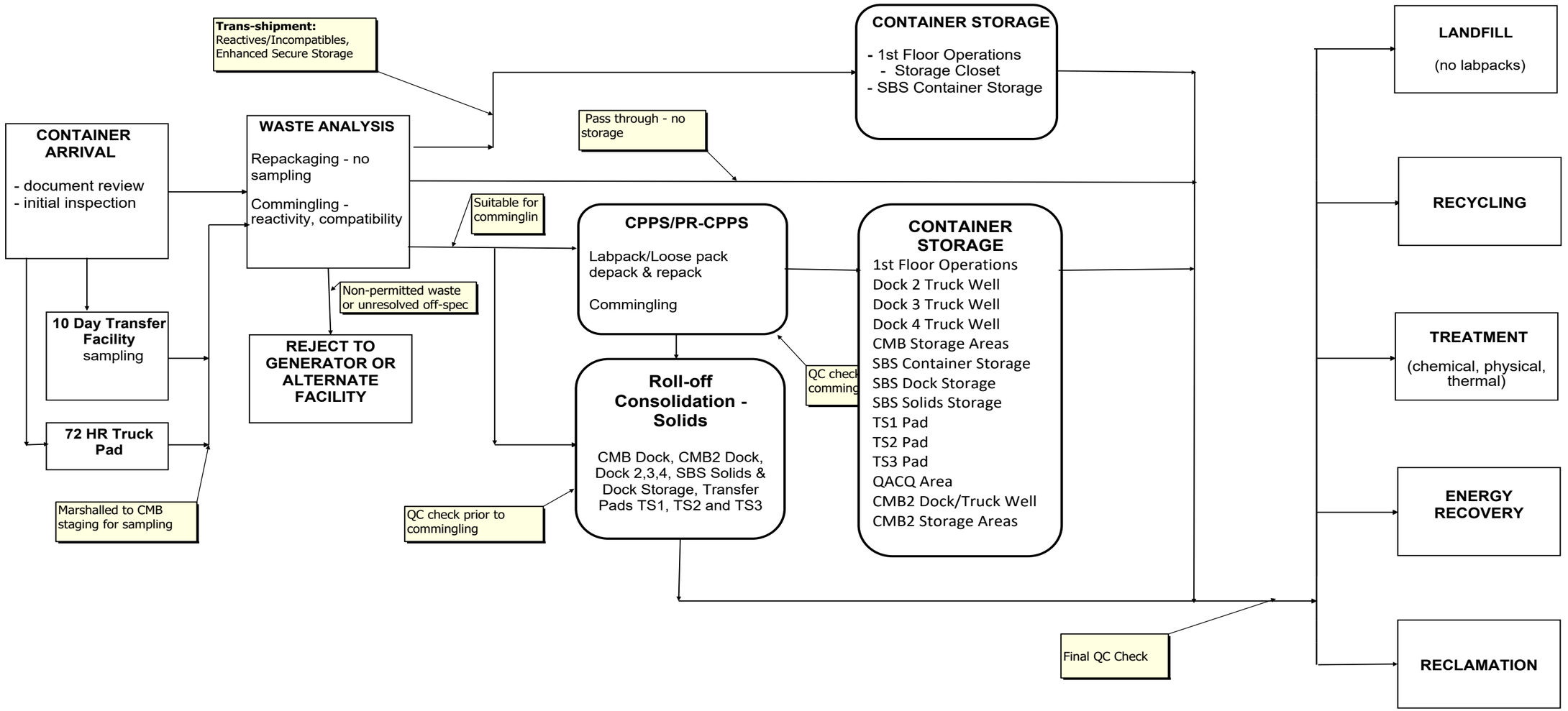
JAN-11



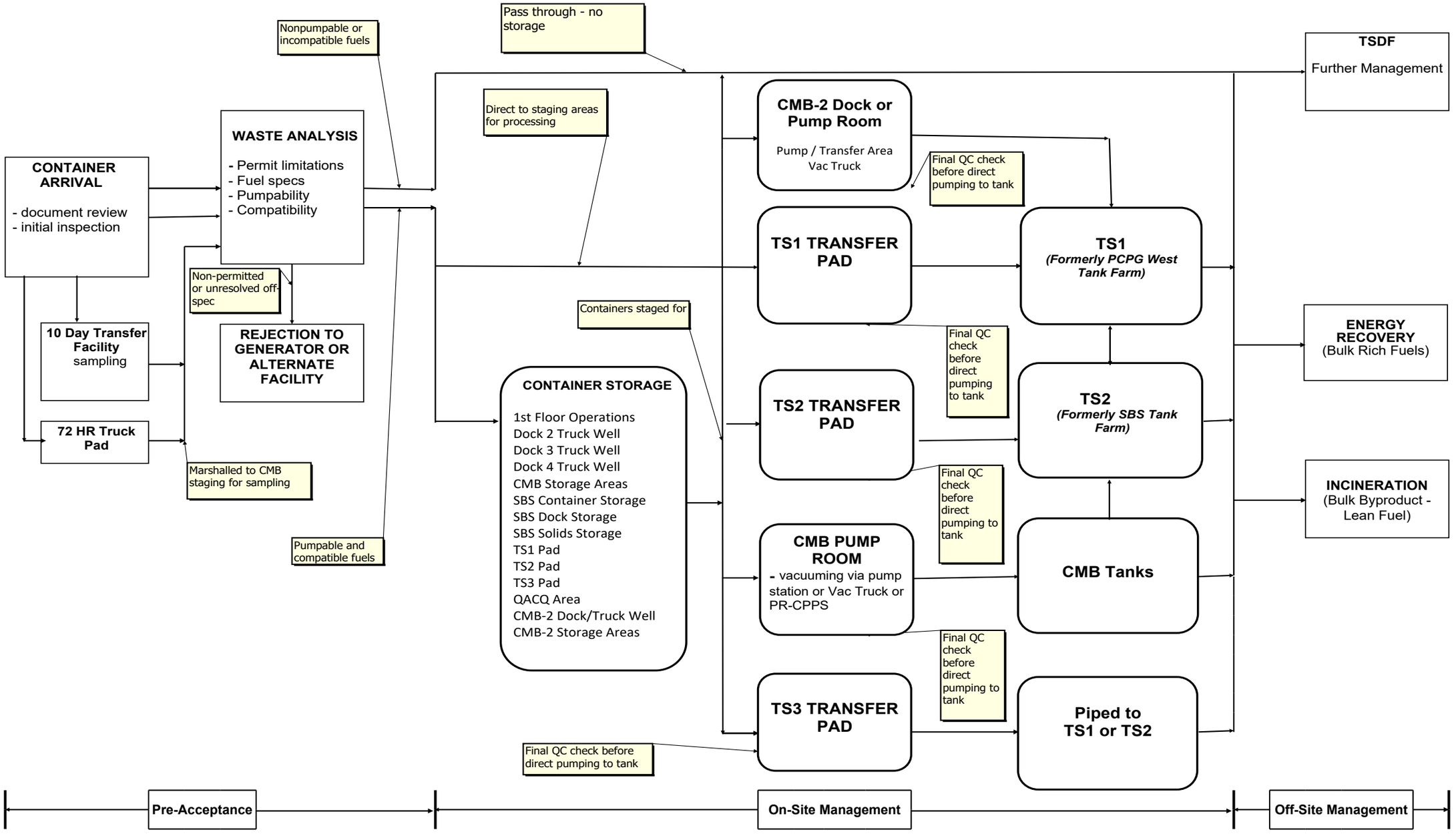
CONTAINER CONSOLIDATION/COMMINGLING FLOW DIAGRAM

REV: 1
June 21, 2022



CONTAINERIZED FUEL PROCESS FLOW

REV: 2
June 21, 2022



PHARMACEUTICAL MANAGEMENT PROCESS FLOW

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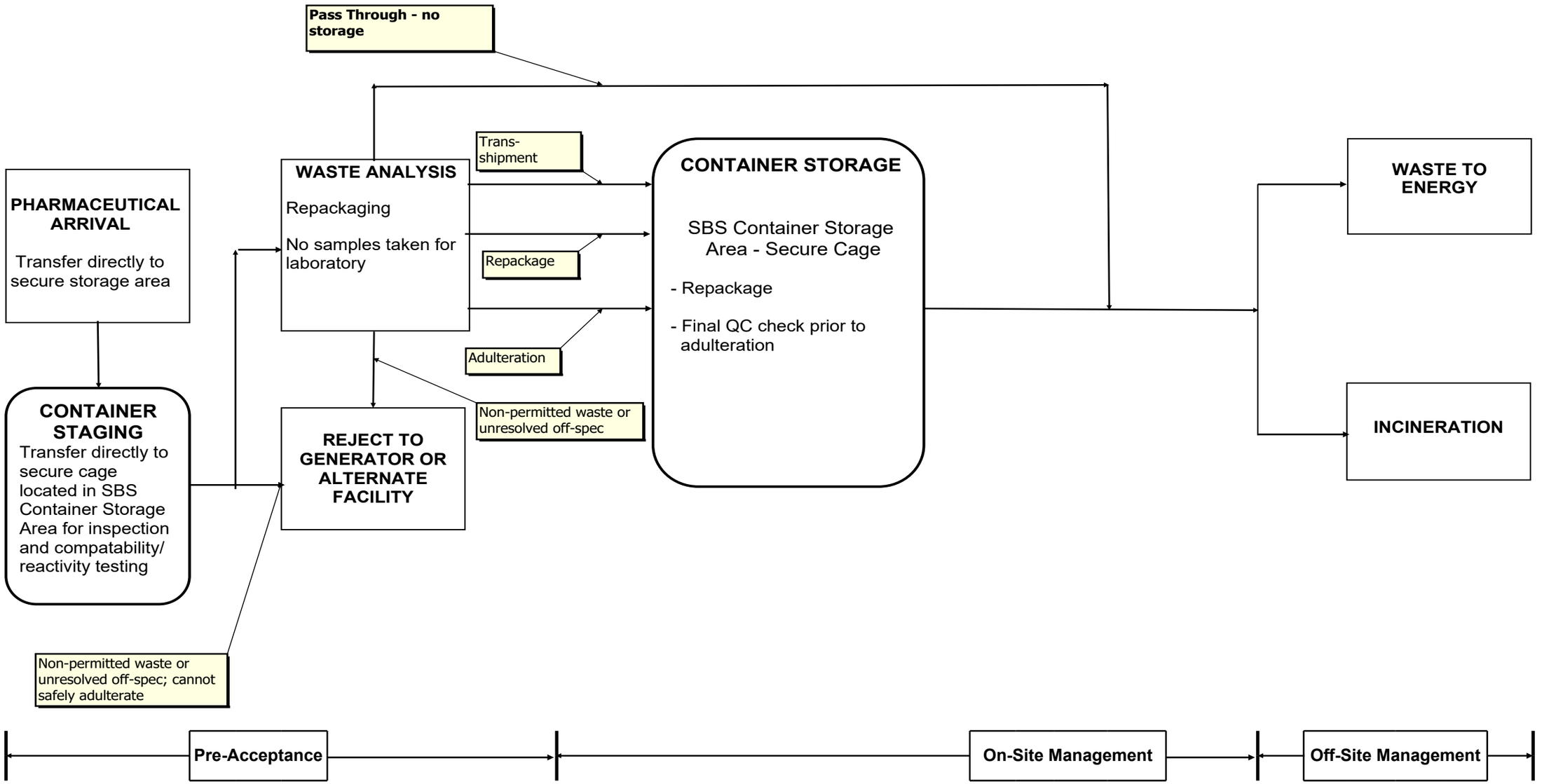
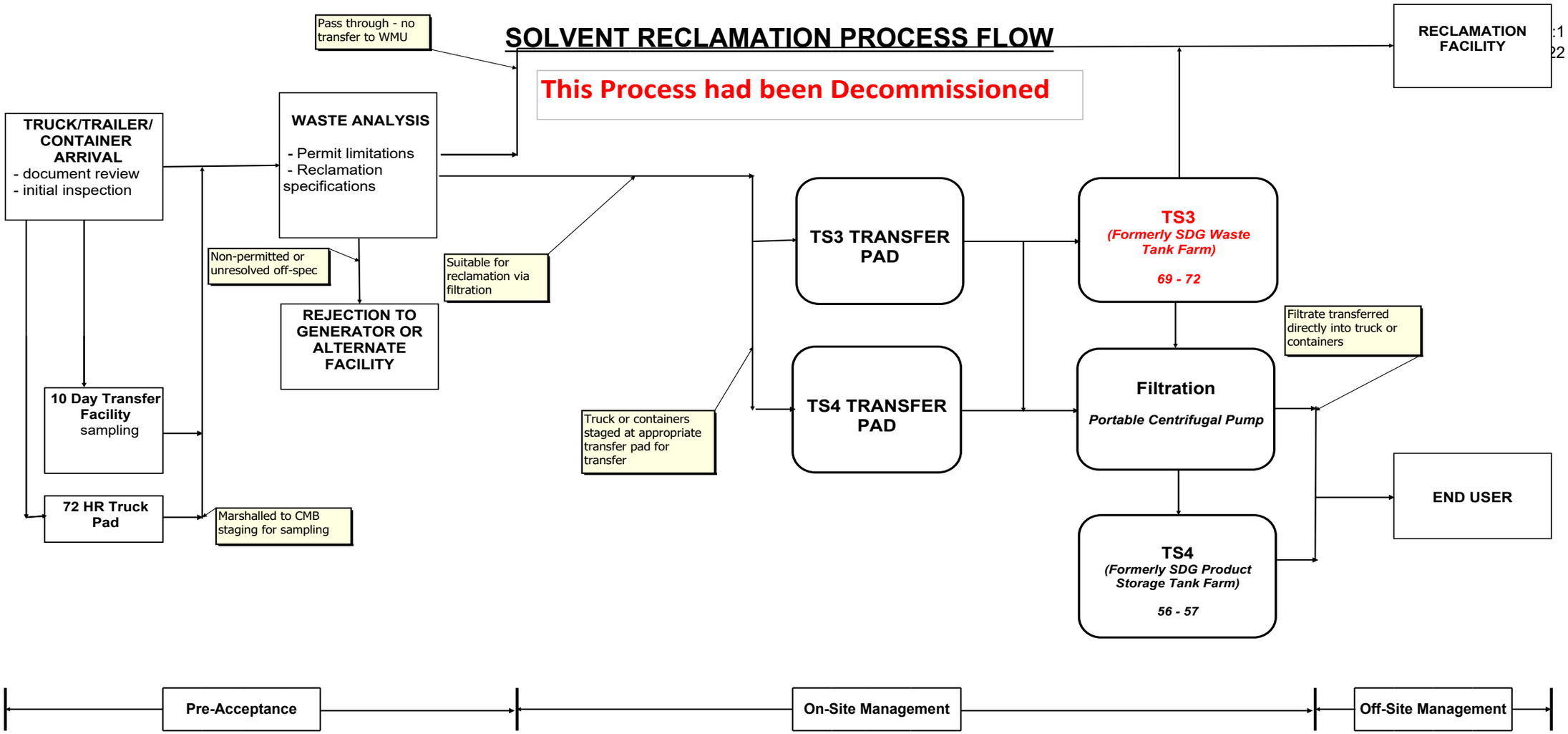
June 21, 2022



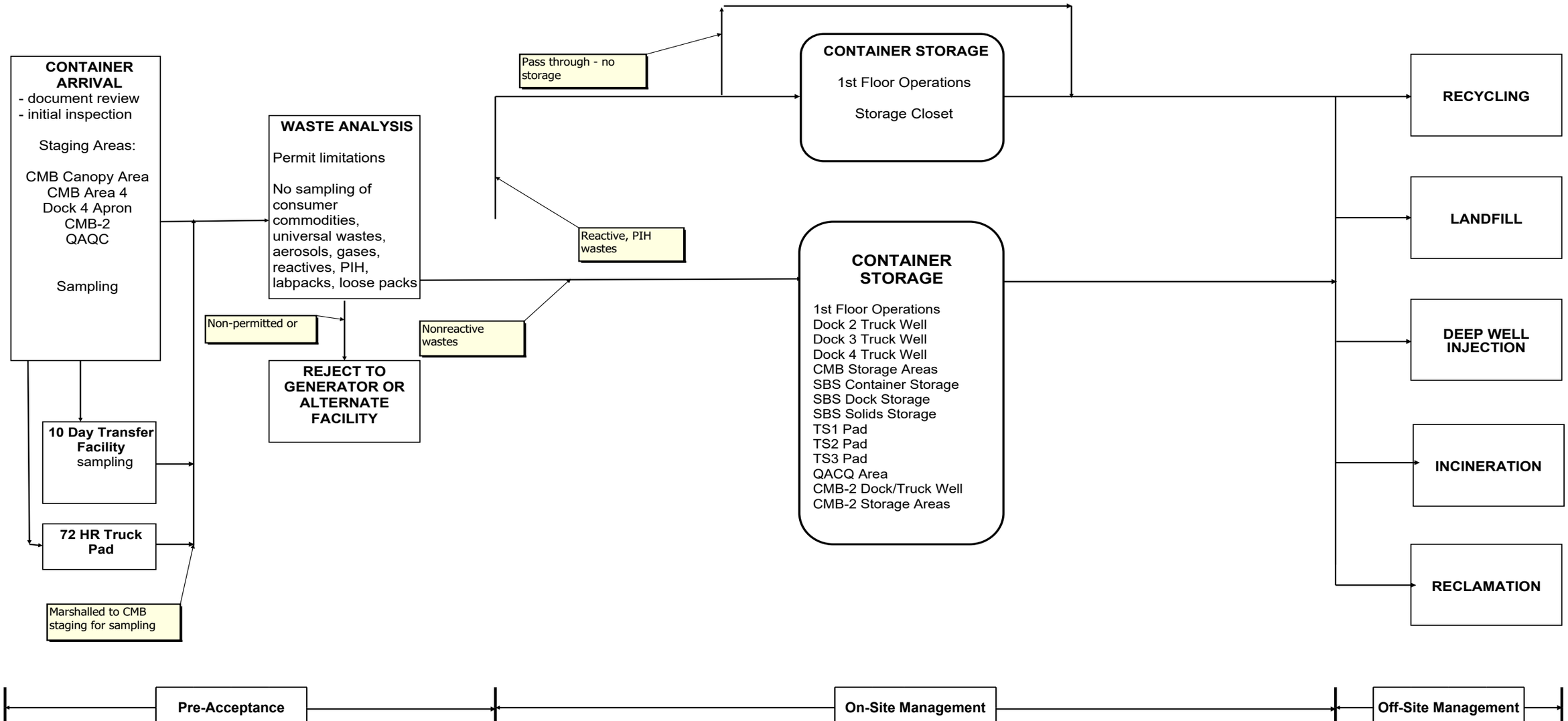
SOLVENT RECLAMATION PROCESS FLOW

This Process had been Decommissioned



TRANS-SHIPMENT PROGRAM PROCESS FLOW

REV: 1
June 21, 2020



Appendix B

Site Storage Units

Appendix B

Waste Management Units	Permitted Capacity (gallons)			
	1999 Application	2009 Re-Application	2019 Permit Modification	2022 Re-Application
Tank Management Units:				
TS1 - Tank System 1 PCPG West Tank Farm/TS1 (16 - 30)	420,000	420,000 [1]	420,000	420,000
Solvent Distillation Group SDG Waste Storage Tank Farm (61 - 72)	86,162	46,956 [2]	46,956	Decommissioned, [13]
TS2 - Tank System 2 SBS Tank Farm/TS2 (35 - 40)	168,000	168,000 [3]	168,000	168,000
East Tank Farm	31,260	Decommissioned [4]	Decommissioned	Decommissioned
CPS Tank 32	5,300	Decommissioned [4]	Decommissioned	Decommissioned
CPS Tank 33	9,660	Decommissioned [4]	Decommissioned	Decommissioned
CPS Tank 34	10,720	Decommissioned [4]	Decommissioned	Decommissioned
CPS Tank 44	2,394	Decommissioned [4]	Decommissioned	Decommissioned
CMB Tank 1/TK001	na	6,000	6,000	6,000
CMB Tank 2/TK002	na	6,000	6,000	6,000
Permitted Tank Subtotal:	733,496 [10]	646,956	646,956	600,000
Container Management Units:				
East Pad	48,480	Decommissioned [4]	Decommissioned	Decommissioned
Front Pad	57,420	Decommissioned [4]	Decommissioned	Decommissioned
First Floor Operations Building - North Storage	38,500	38,500	38,500	38,500
First Floor Operations Building - South Storage (CPS Phase IIA Drum Storage)	47,300	Decommissioned [4]	Decommissioned	Decommissioned
Second Floor	24,200	Decommissioned [4]	Decommissioned	Decommissioned
Dock #2 (Truck Well)	16,160	0 [5]	0	4,080 [14]
Dock #3 (Truck Well)	16,500	16,500	16,500	16,500
Dock #4 (Truck Well)	8,080	8,080	8,080	8,080
North Load Pad	16,160 [6]	Decommissioned	Decommissioned	Decommissioned
SBS Container Storage Room Map 25	36,000	14,960 [7]	14,960	7,000 [15]
SBS Dock Storage Area Map 24	33,000	20,240 [8]	20,240	20,240
SBS Solids Storage Area Map 23	8,080	8,080	8,080	4,000 [16]
CMB Roll-Off Storage		8,080	8,080	8,080
2022 QAQC Area (Previous: CMB Temporary Storage) (674 X 55 gal drums - Area 4,QAQC, Staging, pump room)		37,119	37,119	37,119
CMB Container Storage Areas (3,888 X 55 gal drums)		213,840	213,840	213,840
TS1 Transfer Pad Storage Area	-	-	54,000	54,000
TS2 Transfer Pad Storage Area	-	-	24,000	24,000
TS3 Transfer Pad Storage Area	-	-	0	7,960 [17]
New CMB2 (TS4 Non Reg Tank Farm Area)	-	-	0	46,956 [18]
Truck Staging (72 hours)	40,000	20,000 [9]	20,000	30,000 [19]
Container Subtotal:	389,880	385,399	385,399	442,355
Tank and Container Permitted Storage:	1,123,376	1,032,355 [10]	1,032,355	1,032,355

[1] *Permitted capacity at 28,000 gal per tank*

[2] *Tanks 69-72 for RCRA use; changed from permitted to tank capacities (69-70 @ 13,277; 71-72 @ 10,201)*

[3] *Permitted capacity @ 28,000 gal per tank*

[4] *Area decomissioned as a result of 2006 event loss*

[5] *Utilized for non-RCRA storage*

[6] *Use discontinued with approval of CMB storage*

[7] *Max container storage of 272 drums*

[8] *Max container storage of 368 drums or bulk storage of 2 roll-offs)*

[9] *Proposed change from 24 to 72 hours and reduction to 20,000 gallons*

[10] *Proposed permitted capacity (transfer 86,540 gallons permitted capacity from tank to container storage)*

[11] *Available excess capacity for future use - Dock 'E' and/or TS3 tank*

[12] *Overall site permitted capacity*

[13] *The volume has been reallocated to CMB-2*

[14] *Volume reallocated from SBS Solid Storage Area*

[15] *Reallocate 7,960 gallons **to** TS2*

[16] *Reallocate 4,080 gallons **to** Dock 2.*

[17] *Increase capacity reallocated from SBS 25 Container Storage*

[18] *Reallocated from SDG Tanks*

[19] *Add 10,000 capacity to this area but do not add to the over permitted capacity.*

Appendix C

Hazardous Waste Management Units

Appendix C

2022 **Hazardous Waste Management Units**
Tank Management Units:
TS1, Tank System 1 including tanks 16 thru 30 Also called the PCPG West Tank Farm
TS2, Tank System 2 including tanks 35 thru 40. Also called the SBS Tank Farm
CMB Tank TK001
CMB Tank TK002
CMB Processing Unit
Pump room drum/container consolidation commingling station area. The transfer of hazardous waste liquids and sludges via pumps to tanks or via vacuum truck to tanks.
CMB-2 Processing Units
Pump room drum/container consolidation commingling station area. The transfer of hazardous waste liquids and sludges via pumps to tanks or via vacuum truck to tanks.

Section 6

Treatment (C4)

FORM EQP 5111 ATTACHMENT C4
TREATMENT PROCESS DESCRIPTION

This license application section addresses the treatment processes conducted at Petro-Chem Processing Group of Nortru, LLC (Petro-Chem) in Detroit, Michigan.

This section is organized as follows:

INTRODUCTION

C4.A Fuel Blending
C4.B Commingling
C4.C Adulteration

INTRODUCTION

All processing activities at the Facility are described in the processing descriptions found in Volume V, Section 5 of the Application.

C4.A Fuel Blending

Fuel type wastes are selectively blended to meet the specifications as an alternative fuel or waste derived fuels (WDF) for industrial furnaces. The treatment does not change the physical state of the constituents; hence, it will remain a liquid after the treatment. The treatment is intended to change or adjust the heat value of the treated material so that it can be of beneficial use as a fuel supplement.

The initial waste characterization report is used to identify waste streams that may be eligible for fuel blending. The waste analysis plan identifies the parameters that are tested to verify the material is suitable for entry into the fuel program. Reactive and corrosive fuel type materials are not suitable for the process as they may form gases or polymerize in the process vessel; these fuel types are eliminated from the process by performing bench scale lab tests (reactivity). Any change in temperature that accompanies gas formation, change in color or state will eliminate the material from the process. Any significant change in temperature that does not accompany a visible reaction will also result in elimination of the material from the process. These rejected materials will be trans-shipped to an authorized facility for proper management and disposal.

The fuel blending process is controlled via laboratory testing of pre and post treatment parameters. The parameters to be monitored will be heat value (BTU/lb), pH (pH unit), solids (%) and water (%). The laboratory test method SOPs for these parameters are found in Volume I, Section 2 of the license application.

Fuel blending batch sizes vary from labpack inner container quantities up to bulk volumes of a tanker truck or tank volumes.

C4.B Commingling

Similar waste types may be commingled (bulked together into larger containers or transport tankers) to effect more efficient transportation outbound to an authorized facility. This process will not be performed to alter the physical, chemical, or biological properties of the material.

Reactive type materials are not suitable for the commingling as they may form gases or polymerize in the process vessel; these waste types are identified and eliminated from the commingling process by performing bench scale lab tests (reactivity). Any change in temperature that accompanies gas formation, change in color or state will eliminate the material from the commingling process. Any significant change in temperature that does not accompany a visible reaction will also result in elimination of the material from the commingling process. These materials will be trans-shipped to an authorized facility for proper management and disposal.

In the highly unlikely event, the reactivity tests do not identify material unsuitable for commingling, all commingling of waste streams will be conducted under a fumehood in the labpack depack area (CPPS) and pump room fumehood (PR-CPPS) where the emissions are captured and vented to an air scrubber system. The CMB2 building will be fitter with a carbon air scrubber system.

Commingling batch sizes typically range from lab pack individual containers up to bulk containers.

C4.C Adulteration

Waste materials may be adulterated to prevent reintroduction into the supply chain or personal use by rendering the material unsuitable for ingestion, inhalation, dermal application or resale.

A reactivity test will be performed on the material with a proposed waste solvent (aqueous or organic) to verify compatibility. If results are negative, the material will be commingled with the chosen solvent and repackaged for storage and shipped to an authorized facility for proper management and disposal/destruction.

All prescription drug wastes will be adulterated within the waste pharmaceutical storage area (WPSA) located within the SBS Container Storage Area. Materials that cannot be adulterated due to incompatibility of all available waste solvents will be transferred to the WPSA for storage where the material will be monitored under surveillance cameras.