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SOVEREIGN PACKAGING GROUP (FORMERLY PIERCE & STEVENS) OFF-SITE SAMPLING RESULTS 710 OHIO STREET BUFFALO, NEW YORK

Prepared for

Sovereign Specialty Chemicals
710 Ohio Street
Buffalo, New York

September 2002

URS

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1.1 INTRODUCTION

This report summarizes the results of the Remedial Action Plan (RAP) Field Investigation performed at the Sovereign Packaging Group (formerly Pierce & Stevens) facility in Buffalo, New York. The Site Investigation was performed as described in Appendix A, *"Off-site Field Sampling and QA Plan,"* of the *Remedial Action Plan, Areas of Contamination "A", "B", and "C"*, prepared by IT Corporation in January 2002 (revised by URS in June 2002).

Remedial Actions are scheduled to occur at the site after completion of the Field Investigation as explained in the RAP. URS plans to excavate and remove contaminated soil from three previously identified locations at the Sovereign Packaging Group site designated Areas " A", "B", and "C". The excavated areas will be backfilled with clean fill material. A perched water table lies approximately 5 to 8 feet below the ground surface in the areas to be excavated. Prior to the placement of the clean fill, a groundwater collection and drainage system will be installed in the excavation to prevent the clean backfill from coming in contact with the perched water table. Excavated soil from Areas A, B, and C will be transported to an approved disposal facility.

This report is submitted on behalf of Sovereign Specialty Chemicals in compliance with the Voluntary Cleanup Agreement (Voluntary Cleanup Project No. V00215-9) between the Sovereign Packaging Group (formerly Pierce & Stevens) and New York State Department of Environmental Conservation (NYSDEC).

2.1 LOCATION

The Sovereign Packaging Group site is located at 710 Ohio Street in Buffalo, New York. The site is approximately 6.3 acres in size and is bounded on the south by the entrance road to Advance Division/Co- Steel Recycling, on the north by Rigidized Metals Corp., on the east by CSX railroad tracks, and on the west by Ohio Street (see Figure 1).

3.1 PURPOSE

URS performed the field investigation on June 5-6, 2002 at two off-site areas and three on-site areas of the Sovereign Packaging Group facility. The purpose of the field investigation was to:

- Determine the presence of off-site impacts to soil and groundwater on properties adjacent to the Sovereign Packaging Group site, and
- Obtain waste characterization samples for the excavation and disposal of organic contaminated wastes at previously identified Areas " A, "B", and "C".

3.2 SCOPE OF WORK

The field strategies employed for the Remedial Action Plan Field Investigation at the Sovereign Packaging Group site are described in detail in Appendix A, *Off-site Field Sampling and QA Plan* of the *Remedial Action Plan, Areas of Contamination "A","B", and "C"* (IT Corporation 2002). The workplan detailed in these documents incorporates specific field efforts required by the NYSDEC.

Off-site areas of investigation included two properties adjacent to a former tank farm (Area B) on the Sovereign Packaging Group site where elevated concentrations of volatile organic compounds (VOCs) were previously detected. These off-site areas are located west/northwest of the former tank farm site on the Rigidized Metals Corporation property and east/northeast of the former tank farm site on the CSX railroad right of way. Soil and groundwater samples were collected from these off-site areas as shown in Figure 2 to evaluate off-site soil and groundwater impacts.

Additionally, URS collected composite soil samples for soil waste characterization in on-site Areas A, B, and C pursuant to specific disposal requirements of waste disposal facilities.

4.1 RIGIDIZED METALS GEOPROBE SAMPLING

On June 5, 2002, URS advanced eight geoprobe borings on the neighboring Rigidized Metals property. SLC Environmental of Lockport, New York provided drilling services. The borings were advanced west/northwest of Area B, a former tank farm site on the Sovereign Packaging Group property.

Four borings spaced 25 feet apart were advanced 10 feet west/northwest of the Sovereign Packaging Group fence. The borings were advanced to a maximum depth of 10 feet below grade, terminating in a clay layer. A second line of four geoprobe borings was advanced 30 feet west of the first line of borings to evaluate the extent of potential impacts. Borings were logged, screened, and sampled by a URS geologist.

The subsurface material encountered was characterized as brown or black fill with a granular texture. The fill generally consisted of fine gravel and sand with a silt matrix. Interbedded layers of light gray fine material (possibly ash) were observed in two borings. Trace amounts of glass and brick were observed in several borings. A gray or black glacial silty clay layer was encountered at 7.5 to 8 feet below ground surface. Perched groundwater was encountered in each boring between 6.5 to 7 feet below ground surface.

A Mini-RAE 2000 photoionization detector (PID) was used to scan the surface of the boring cores after the acetate liner was opened. PID readings of soil from two borings, OS/GP-2 and OS/GP-4, indicated elevated levels of organic compounds were present.

Soil samples were collected between 6 and 8 feet below ground surface with a macro-core sampler. A sample was not collected from boring OS/GP-4 due to the small amount of soil recovered in the macro-core sampler.

Temporary 1-inch diameter wells were installed in each of the borings. The wells were developed prior to sampling using a peristaltic pump and dedicated tubing. Each well was pumped dry after several gallons of turbid water were removed. Once water levels had recovered to within 80% of the original levels prior to development, groundwater samples were collected using dedicated teflon bailers. A duplicate groundwater sample was collected at OS/GP-6. Geoprobe logs and well diagrams are presented in Appendix A. Sampling locations are shown in Figure 2.

A total of seven soil samples and nine groundwater samples were collected from the Rigidized Metals property and placed on ice for transport to Severn Trent Laboratory (STL) of Amherst, New York for analysis. Analysis of a Target Compound List (TCL) of VOCs using NYSDEC Analytical Service Protocol (ASP) methodology was requested. Chain-of-custody records accompanied the samples from the site to the laboratory.

4.1.1 Soil Analytical Results

Rigidized Metals soil analytical results have been validated independently for usability and completeness by a URS quality assurance/quality control manager pursuant to New York State Data Usability Summary Report (DUSR) guidance, as specified in the Offsite Field Sampling and QA Plan. All analytical results were deemed usable. The DUSR is included as Appendix B.

Soil analytical results from the Rigidized Metals property are shown in Table 1. Analytical results are compared to applicable New York State cleanup objectives listed in NYSDEC Technical Administrative Guidance Memorandum (TAGM) 4046: *Determination of Soil Cleanup Objectives and Cleanup Levels* (revised January 1994).

Methylene chloride was detected above TAGM 4046 cleanup objectives in two soil samples, OS/GP-3 and OS/GP-6. Methylene chloride was also detected in OS/GP-5 at a concentration of 99 µg/kg slightly below its clean up standard of 100 µg/kg. Acetone was detected at the TAGM 4046 cleanup objective in boring OS/GP-3. Soil sample results at or exceeding cleanup objectives are shown on Figure 3.

Several VOCs (including 2- butanone, acetone, benzene, carbon disulfide, chloroethane, ethylbenzene, methylene chloride, toluene, and total xylenes) were detected at concentrations below cleanup objectives in samples OS/GP-2, OS/GP-3, OS/GP-5, and OS/GP-6.

4.1.2 Groundwater Analytical Results

Rigidized Metals groundwater analytical results have been validated independently for usability and completeness by a URS quality assurance/quality control manager pursuant to New York State DUSR guidance, as specified in the Offsite Field Sampling and QA Plan. All analytical results were deemed usable. The DUSR is included as Appendix B.

Groundwater analytical results from the Rigidized Metals property are included as Table 2. The data is compared to applicable New York State groundwater cleanup objectives listed in NYSDEC Technical and Operational Guidance Series (TOGS) 1.1.1: *Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations* (June 1998) and the April 2000 Addendum. STL used the ASP 2000 reporting limit; the laboratory method detection limit for each VOC compound is also listed. The method detection limits of ten VOCs (1,1,2-trichloroethane, 1,2-dibromo-3-chloropropane, 1,2-dibromoethane, 1,2-dichloroethane, 1,2-dichloropropane, benzene, bromomethane, cis-1,3-dichloropropene, trans-1,3-dichloropropene, and vinyl chloride) are above the TOGS cleanup objectives.

Toluene was detected above cleanup objectives in groundwater samples collected from each temporary well except for sample OS/GP-5, with the highest concentration of 130,000 micrograms per kilogram (ug/kg) detected in samples OS/GP-2 and OS/GP-3.

Benzene, ethylbenzene, and total xylenes were detected in addition to toluene in sample OS/GP-4 above TOGS 1.1.1 cleanup objectives. Benzene was also detected above the cleanup objective in sample OS/GP-5.

Figure 4 shows the concentrations of compounds in groundwater above cleanup objectives on the Rigidized Metals property.

4.2 CSX TEST PITS

On June 6, 2002 five exploratory test pits were excavated on the CSX railroad property east/northeast of the Sovereign Packaging Group former tank farm (Area B), located on the northeast portion of the site. The test pits were excavated due to limited access in the area due to the railway. Test pit locations are shown in Figure 2.

An ITI-35T tracked backhoe was utilized by SLC Environmental to excavate the test pits. A URS geologist logged, screened, and sampled excavated material. Test pits were excavated through a 5 to 8 foot layer of soil/fill to an underlying glacial silty clay layer. The test pits were spaced about 30 to 40 feet apart. Field observations recorded at each test pit were transferred to Test Pit Logs (Appendix C).

A PID was used to scan excavated soil for contamination. No PID reading was recorded above background levels. Visual and olfactory evidence of impacts was not noted in the excavated material.

One soil sample was collected from each of the 5 test pits. Using a macro-core sampler, a sample was collected from the center of the backhoe bucket. Sample depths ranged from 4 to 8 feet below ground surface.

Perched groundwater was encountered in the fill layer immediately overlying the less permeable silty clay layer in each test pit, between 5 to 8 feet below ground surface. A sample of the perched groundwater in test pit #1 was retrieved with a dedicated bailer and transferred to a sample container preserved with hydrochloric acid. Effervescence of the groundwater sample was observed within the container, indicating the sample material was interacting with the acid preservative in the bottle. Therefore, a sample of groundwater from test pit #2 was instead collected with a clean dedicated bailer.

The test pits were backfilled with the soil removed from the excavation and tamped down with the backhoe bucket. The excavation was tracked repeatedly with the excavator to further compact the soil and level it to match the surrounding topography.

At the request of a visiting NYSDEC environmental engineer, a sample of surface water from a drainage ditch between the test pit area and a nearby rail bed was collected for VOC analysis.

A total of five soil samples, one groundwater sample, and one surface water sample was collected and placed on ice for transport to STL. TCL VOC analysis using NYSDEC ASP methodology was requested. Chain-of-custody records accompanied the samples from the site to the laboratory.

4.2.1 Soil Analytical Results

CSX soil analytical results have been validated independently for usability and completeness by a URS quality assurance/quality control manager pursuant to New York State DUSR guidance. All analytical results were deemed usable. The DUSR is included as Appendix B.

The soil analytical results are compared to applicable NYSDEC TAGM 4046 cleanup objectives in Table 3.

Methylene chloride was detected in soil sample OS/TP–3 at a concentration above TAGM 4046 cleanup objectives. Several additional VOCs (1,1,1-tricloroethane, 1,1-dichloroethane, chloroethane, benzene, toluene, ethylbenzene, and total xylenes) were also detected in soil sample OS/TP–3, but at concentrations below cleanup objectives.

No other VOC was detected above cleanup objectives in soil. One or more VOCs were detected at concentrations below cleanup objectives in samples OS/TP–2 (1,1-dichloroethane, chloroethane, methylene chloride, and trichloroethene), OS/GP-4 (1,1,1-tricloroethane), and OS/GP-5 (2- butanone, acetone, chloroethane, and toluene). VOCs were not detected in soil sample OS/TP-1.

4.2.2 Groundwater and Surface Water Analytical Results

CSX groundwater and surface water analytical results have been validated independently for usability and completeness by a URS quality assurance/quality control manager pursuant to New York State DUSR guidance. All analytical results were deemed usable. The DUSR is included as Appendix B.

Groundwater and surface water analytical results from the CSX property are shown in Table 4. The data are compared to applicable New York State groundwater and Class D fresh surface water cleanup objectives listed in NYSDEC June 1998 TOGS 1.1.1 and the April 2000 Addendum. STL used the ASP 2000 reporting limit; the laboratory method detection limit for each VOC compound is also listed. The method detection limits of ten VOCs (1,1,2-Trichloroethane, 1,2-Dibromo-3-chloropropane, 1,2-Dibromoethane, 1,2-Dichloroethane, 1,2-Dichloropropane, Benzene, Bromomethane, cis-1,3-

Dichloropropene, trans-1,3-Dichloropropene, and Vinyl chloride) are above the TOGS cleanup objectives.

One groundwater sample was collected from OS/TP-2 for VOC analysis. Three compounds, 1,1,1-tricloroethane, 1,1-dichloroethane, and chloroethane were detected above cleanup objectives.

One grab sample was collected from standing surface water in a drainage ditch located near the CSX railbed at the request of the NYSDEC visiting environmental engineer. Toluene, chloroform, 1,1,2-trichloro-1,2,2-trifluoroethane, 2-butanone, bromodichloromethane, and dibromochloromethane were detected in the sample. NYSDEC was contacted to determine to which standards the sample should be compared; Mr. Greg Sutton of the NYSDEC indicated the results should be compared to Class D water standards. The concentrations of the six VOCs detected in the surface water sample are below Class D water standards.

Figure 4 shows the concentrations of compounds in groundwater above cleanup objectives.

4.3 COMPARISON OF OFFSITE RESULTS AND AREA B RESULTS

Soil and groundwater analytical results were collected in Area B on the Sovereign Packaging Plant site in July 2000 and May 2001, as presented in the *Remedial Action Plan, Areas of Contamination "A", "B" and "C"* (IT Corporation 2002). Soil and groundwater analytical results above TAGM 4046 soil and TOGS 1.1.1 groundwater cleanup objectives are included in Table 5. The compounds 1,1,1-trichloroethane, 1,1-dichloroethane, acetone, benzene, chloroethane, ethylbenzene, methylene chloride, toluene, and total xylenes were detected above soil cleanup objectives in Area B. Identical compounds were detected in groundwater results above groundwater cleanup objectives, with the exception of benzene, which was not detected above cleanup standards. Toluene concentrations were detected consistently above cleanup objectives in both soil and groundwater.

The soil results from the off-site samples collected at the Rigidized Metals and the CSX properties showed several detections of methylene chloride and one detection of acetone above TAGM 4046 cleanup objectives. Neither acetone nor methlyene chloride levels in groundwater exceeded TOGS 1.1.1 groundwater cleanup objectives. Compounds in groundwater above cleanup objectives included benzene, ethylbenzene, toluene, and total xylenes on the Rigidized Metals property and 1,1,1-trichloroethane, 1,1-dichloroethane, and chloroethane on the CSX property. All of these compounds detected in off-site groundwater are present in both soil and groundwater above cleanup objectives in Area B, with the exception of benzene. Additionally, compounds detected in off-site groundwater samples above cleanup objectives were detected only at low levels or not at all in the off-site soil samples. These results suggest that compounds in soil from Area B may have impacted offsite groundwater.

5.1 AREAS A, B, AND C COMPOSITE SAMPLING

On June 6, 2002, URS collected soil samples from three areas (designated Areas A, B, and C) at Sovereign Packaging Group for waste characterization purposes. SLC Environmental provided drilling services with a pick-up truck mounted geoprobe rig. The sampling was performed in accordance with the *Remedial Action Plan, Areas of Contamination "A", "B" and "C"* (IT Corporation 2002). Three geoprobe borings were advanced in each area to a depth of 4 feet below grade. The three soil cores were collected with the acetate liners still intact, then opened and placed into a clean stainless steel bowl to form a representative composite sample.

A total of three composite samples were collected, placed on ice and submitted to STL. Analysis of EPA Method 1311 Toxicity Characteristic Leaching Procedures (TCLP) and TAL metals was requested to evaluate disposal options. Chain-of-custody records accompanied the samples from the site to the laboratory.

5.1.1 Soil Analytical Results

Soil analytical results have been validated independently for usability and completeness by a URS quality assurance/quality control manager pursuant to New York State DUSR guidance. All analytical results were deemed usable. The DUSR is included as Appendix B.

A summary of the soil composite analytical results is presented in Table 6. The analysis showed the soil in these areas did not exceed regulatory levels for TCLP contaminants and should not be classified as a RCRA hazardous waste.

Semivolatile organic compounds 2-methylphenol, 3- methylphenol, and 4- methylphenol as well as the metal arsenic were detected in Areas B and C at concentrations below hazardous waste regulatory levels. Metals barium, cadmium, chromium, and lead were detected in soil in each area at levels below regulatory levels.

6.1 CONCLUSIONS

VOC analysis of soil and groundwater samples at Rigidized Metals and the CSX property indicate limited off-site VOC impacts. Specifically:

- On the Rigidized Metals property:
  - Acetone and methylene chloride are present in soil above New York TAGM 4046 soil cleanup objectives
  - Benzene, ethylbenzene, toluene, and total xylenes are present in groundwater above New York TOGS 1.1.1 groundwater cleanup objectives.
- On the CSX Property:
  - Methylene chloride is present above soil cleanup objectives
  - 1,1,1-Trichloroethane, 1,1-dichloroethane, and chloroethane are present above groundwater cleanup objectives.

Compounds detected in off-site groundwater correlate with elevated levels of compounds in soil and groundwater present at the former tank farm site (Area B) of the Sovereign Packaging Group property.

7.1 REFERENCES

IT Corporation 2002. *Remedial Action Plan Areas of Contamination "A", "B", and "C"*. January. Chicago, IL.

New York State Department of Environmental Conservation (NYSDEC). 1998.: *Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations*, Technical and Operational Guidance Series (TOGS) 1.1.1, Albany: Division of Water.

New York State Department of Environmental Conservation (NYSDEC). 1994.: Technical Administrative Guidance Memorandum (TAGM) 4046: *Determination of Soil Cleanup Objectives and Cleanup Levels*, January, revised, Albany.

FIGURES

SOURCE: New York State GIS Clearinghouse Digital Ortho Quarterquadrangle Application.

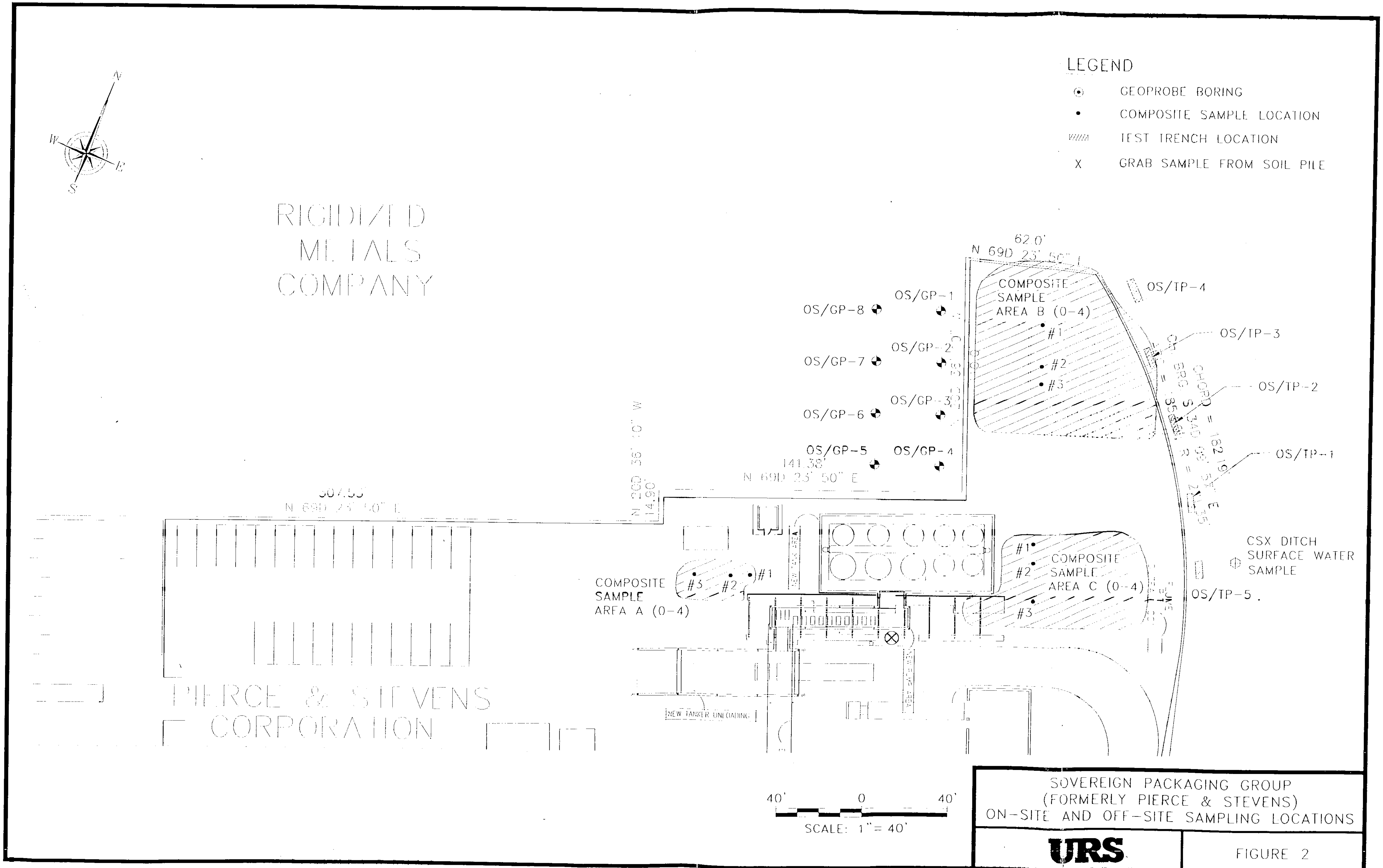
700 0 700 Feet

URS

SOVEREIGN PACKAGING GROUP
(FORMER PIERCE & STEVENS) AND NEIGHBORING PROPERTIES
710 OHIO STREET - BUFFALO, NEW YORK
SITE LOCATION MAP

FIGURE 1

J:\22-00000306.00\DBIGIS\proj1.apr SITE LOCATION
8/5/2002



LEGEND
GEOPROBE BORING
COMPOSITE SAMPLE LOCATION
TEST TRENCH LOCATION
X GRAB SAMPLE FROM SOIL PILE
RIGIDIZED METALS COMPANY
PIERCE & STEVENS CORPORATION
OS/GP-1
OS/GP-2
OS/GP-3
OS/GP-4
OS/GP-5
OS/GP-6
OS/GP-7
OS/GP-8
OS/TP-1
OS/TP-2
OS/TP-3
OS/TP-4
OS/TP-5
COMPOSITE SAMPLE AREA A (0-4)
COMPOSITE SAMPLE AREA B (0-4)
COMPOSITE SAMPLE AREA C (0-4)
#1
#2
#3
CSX DITCH SURFACE WATER SAMPLE
62.0'
N 69D 23' 50" E
141.38'
N 69D 23' 50" E
N 20D 36' 10" W
14.90'
NEW TANKER UNLOADING
40' 0 40'
SCALE: 1" = 40'

SOVEREIGN PACKAGING GROUP
(FORMERLY PIERCE & STEVENS)
ON-SITE AND OFF-SITE SAMPLING LOCATIONS

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FIGURE 2

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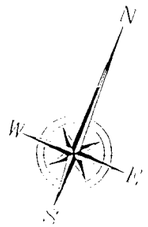


RIGIDIZED METALS COMPANY

LEGEND

- GEOPROBE BORING
- COMPOSITE SAMPLE LOCATION
- TEST PIT LOCATION

OS/GP-03	
ACETONE	110
METHYLENE CHLORIDE	220

OS/GP-06	
METHYLENE CHLORIDE	220

OS/GP-8 OS/GP-1

OS/GP-7 OS/GP-2

OS/GP-6 OS/GP-3

OS/GP-5 OS/GP-4

OS/TP-04

OS/TP-03	
METHYLENE CHLORIDE	200

OS/TP-03

#1 #2 #3 COMPOSITE SAMPLE AREA B (0-4 FEET)

OS/TP-02

OS/TP-01

CSX DITCH SURFACE WATER SAMPLE

OS/TP 05

COMPOSITE SAMPLE AREA A (0-4 FEET) #3 #2 #1

#1 #2 #3 COMPOSITE SAMPLE AREA C (0-4 FEET)

PIERCE & STEVENS CORPORATION

NOTES:

1. CONCENTRATIONS SHOWN ARE FOR COMPOUNDS EXCEEDING TAGM STANDARDS.
2. ANALYTICAL RESULTS SHOWN IN UG/KG.

40' 0 40'

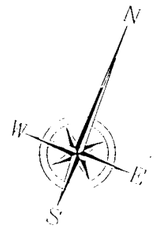
SCALE: 1"= 40'

SOVEREIGN PACKAGING GROUP
(FORMERLY PIERCE & STEVENS)
SOIL ANALYTICAL RESULTS EXCEEDING
CLEANUP OBJECTIVES – JUNE 2002

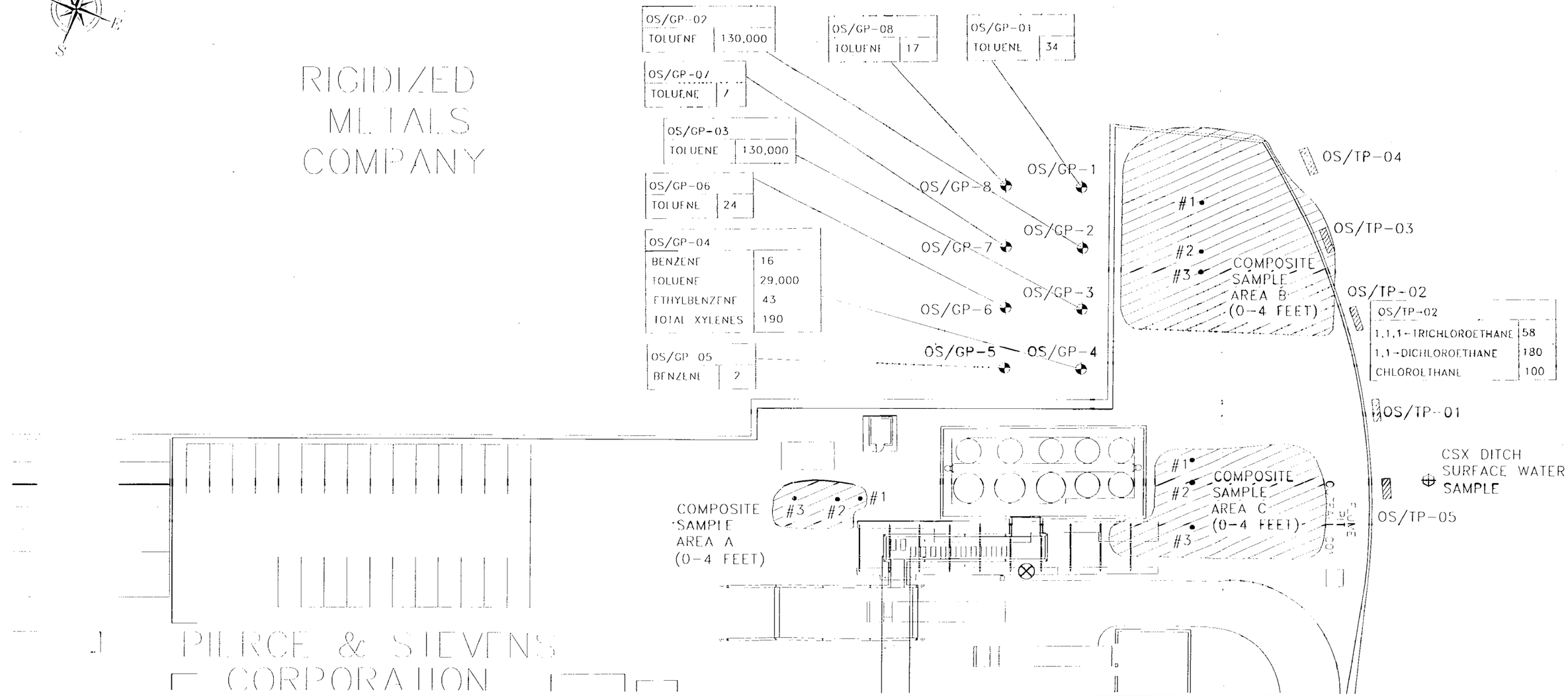
URS

FIGURE 3

I:\2002_Projs\22000000306\Figures\306_FIG3.dwg



RIGIDIZED METALS COMPANY



NOTES:

1. CONCENTRATIONS SHOWN ARE FOR COMPOUNDS EXCEEDING TOGS GROUNDWATER STANDARDS.
2. ANALYTICAL RESULTS SHOWN IN µG/L.

SOVEREIGN PACKAGING GROUP
(FORMERLY PIERCE & STEVENS)
GROUNDWATER ANALYTICAL RESULTS AT OR EXCEEDING CLEANUP OBJECTIVES – JUNE 2002

URS

FIGURE 4

I:\2002_Projs\22000039\6\Figures\306_FIG4.dwg

TABLES

Table 1. Off-Site Soil Analytical Results - Rigidized Metals
Sovereign Packaging Group - Off-Site Sampling
June 2002

METHOD	PARAMETER	UNITS	OS/GP-1(6-7)	OS/GP-2(6-7)	OS/GP-3(6-7)	OS/GP-5(7-8)	OS/GP-6(6-7)	OS/GP-7(6-7)	OS/GP-8(7-8)	TAGM 4046 Soil Cleanup Objectives	TAGM 4046 Soil Cleanup Objectives to Protect GW
9045	Leachable pH	S.U.	8.68 J	8.35 J	7.45 J	7.17 J	6.97 J	7.42 J	7.34 J		
EPA VOA	1,1,1-Trichloroethane	UG/KG	12 U	13 UJ	12 U	14 U	15 U	11 U	17 U	800	760
EPA VOA	1,1,2,2-Tetrachloroethane	UG/KG	12 U	13 UJ	12 U	14 U	15 U	11 U	17 U	600	600
EPA VOA	1,1,2-Trichloro-1,2,2-trifluoroethane	UG/KG	12 U	13 UJ	12 U	14 U	15 U	11 U	17 U	6000	600
EPA VOA	1,1,2-Trichloroethane	UG/KG	12 U	13 UJ	12 U	14 U	15 U	11 U	17 U		
EPA VOA	1,1-Dichloroethane	UG/KG	12 U	13 UJ	12 U	14 U	15 U	11 U	17 U	200	200
EPA VOA	1,1 Dichloroethene	UG/KG	12 U	13 UJ	12 U	14 U	15 U	11 U	17 U	400	400
EPA VOA	1,2,4-Trichlorobenzene	UG/KG	12 U	13 UJ	12 U	14 U	15 U	11 U	17 U	3400	3400
EPA VOA	1,2-Dibromo-3-chloropropane	UG/KG	12 U	13 UJ	12 U	14 U	15 U	11 U	17 U		
EPA VOA	1,2-Dibromoethane	UG/KG	12 U	13 UJ	12 U	14 U	15 U	11 U	17 U		
EPA VOA	1,2-Dichlorobenzene	UG/KG	12 U	13 UJ	12 U	14 U	15 U	11 U	17 U	7900	7900
EPA VOA	1,2-Dichloroethane	UG/KG	12 U	13 UJ	12 U	14 U	15 U	11 U	17 U	100	100
EPA VOA	1,2-Dichloropropane	UG/KG	12 U	13 UJ	12 U	14 U	15 U	11 U	17 U		
EPA VOA	1,3-Dichlorobenzene	UG/KG	12 U	13 UJ	12 U	14 U	15 U	11 U	17 U	1600	1550
EPA VOA	1,4-Dichlorobenzene	UG/KG	12 U	13 UJ	12 U	14 U	15 U	11 U	17 U	8500	8500
EPA VOA	2-Butanone	UG/KG	12 U	20 J	37	12 J	6 J	11 U	17 U	300	300
EPA VOA	2-Hexanone	UG/KG	12 U	13 UJ	12 U	14 U	15 U	11 U	17 U		
EPA VOA	4-Methyl-2-pentanone	UG/KG	12 U	13 UJ	12 U	14 U	15 U	11 U	17 U	1000	1000
EPA VOA	Acetone	UG/KG	12 U	72 J	110	47	22	11 U	17 U	200	110
EPA VOA	Benzene	UG/KG	12 U	1 J	2 J	14 U	15 U	11 U	17 U	60	60
EPA VOA	Bromodichloromethane	UG/KG	12 U	13 UJ	12 U	14 U	15 U	11 U	17 U		
EPA VOA	Bromoform	UG/KG	12 U	13 UJ	12 U	14 U	15 U	11 U	17 U		
EPA VOA	Bromomethane	UG/KG	12 U	13 UJ	12 U	14 U	15 U	11 U	17 U		
EPA VOA	Carbon Disulfide	UG/KG	12 U	2 J	3 J	2 J	2 J	11 U	17 U	2700	2700
EPA VOA	Carbon Tetrachloride	UG/KG	12 U	13 UJ	12 U	14 U	15 U	11 U	17 U	600	600
EPA VOA	Chlorobenzene	UG/KG	12 U	13 UJ	12 U	14 U	15 U	11 U	17 U	1700	1700
EPA VOA	Chloroethane	UG/KG	12 U	13 UJ	3 J	14 U	15 U	11 U	17 U	1900	1900
EPA VOA	Chloroform	UG/KG	12 U	13 UJ	12 U	14 U	15 U	11 U	17 U	300	300
EPA VOA	Chloromethane	UG/KG	12 U	13 UJ	12 U	14 U	15 U	11 U	17 U		
EPA VOA	cis-1,2-Dichloroethene	UG/KG	12 U	13 UJ	12 U	14 U	15 U	11 U	17 U		
EPA VOA	cis-1,3-Dichloropropene	UG/KG	12 U	13 UJ	12 U	14 U	15 U	11 U	17 U		
EPA VOA	Cyclohexane	UG/KG	12 U	13 UJ	12 U	14 U	15 U	11 U	17 U		
EPA VOA	Dibromochloromethane	UG/KG	12 U	13 UJ	12 U	14 U	15 U	11 U	17 U		
EPA VOA	Dichlorodifluoromethane	UG/KG	12 U	13 UJ	12 U	14 U	15 U	11 U	17 U		
EPA VOA	Ethylbenzene	UG/KG	12 U	13 UJ	8 J	14 U	15 U	11 U	17 U	5500	5500
EPA VOA	Isopropylbenzene	UG/KG	12 U	13 UJ	12 U	14 U	15 U	11 U	17 U		
EPA VOA	Methyl acetate	UG/KG	12 U	13 UJ	12 U	14 U	15 U	11 U	17 U		
EPA VOA	Methyl tert butyl ether	UG/KG	12 U	13 UJ	12 U	14 U	15 U	11 U	17 U		
EPA VOA	Methylcyclohexane	UG/KG	12 U	13 UJ	12 U	14 U	15 U	11 U	17 U		
EPA VOA	Methylene chloride	UG/KG	49 U	70 J	220	99	220	30 B	72 U	100	100
EPA VOA	Styrene	UG/KG	12 U	13 UJ	12 U	14 U	15 U	11 U	17 U		
EPA VOA	Tetrachloroethene	UG/KG	12 U	13 UJ	12 U	14 U	15 U	11 U	17 U	1400	1400
EPA VOA	Toluene	UG/KG	12 U	350 D	1000 D	4 J	2 J	11 U	17 U	1500	1500
EPA VOA	Total Xylenes	UG/KG	12 U	1 J	44	14 U	15 U	11 U	17 U	1200	1200
EPA VOA	trans-1,2-Dichloroethene	UG/KG	12 U	13 UJ	12 U	14 U	15 U	11 U	17 U	300	300
EPA VOA	trans-1,3-Dichloropropene	UG/KG	12 U	13 UJ	12 U	14 U	15 U	11 U	17 U	300	300
EPA VOA	Trichloroethene	UG/KG	12 U	13 UJ	12 U	14 U	15 U	11 U	17 U	700	700
EPA VOA	Trichlorofluoromethane	UG/KG	12 U	13 UJ	12 U	14 U	15 U	11 U	17 U		
EPA VOA	Vinyl chloride	UG/KG	12 U	13 UJ	12 U	14 U	15 U	11 U	17 U	200	200
	Total VOCS	UG/KG		516	1427	164	246	30		10000	

U = The chemical was not detected. Value shown is the reporting limit.
J = Estimated concentration because the result was below the sample reporting limit or quality control criteria were not met.
UJ = The chemical was not detected at or above the sample reporting limit. However, the reporting limit is approximate and may or may not represent the actual limit of reporting necessary to accurately and precisely measure the chemical in the sample.
D = Sample diluted
B = Compound detected in the corresponding method blank.

Table 2. Off-Site Groundwater Analytical Results - Rigidized Metals
Sovereign Packaging Group - Off-Site Sampling
June 2002

METHOD	PARAMETER	UNITS	OS/GP-1 (GW)	OS/GP-2 (GW)	OS/GP-3 (GW)	OS/GP-4 (GW)	OS/GP-5 (GW)	OS/GP-6 (GW)	OS/GP-6 (D) (GW)***	OS/GP-7 (GW)	OS/GP-8 (GW)	TB-1 (Trip Blank)	MDL	TOGS 1.1.1 Groundwater Quality Standards and Guidance Values
EPA VOA	1,1,1 Trichloroethane	UG/L	10 U	5000 U	5000 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	1 73	5
EPA VOA	1,1,2,2 Tetrachloroethane	UG/L	10 U	5000 U	5000 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	1 47	5
EPA VOA	1,1,2-Trichloro-1,2,2-trifluoroethane	UG/L	10 U	5000 U	5000 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	1 15	5
EPA VOA	1,1,2-Trichloroethane	UG/L	10 U	5000 U	5000 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	1 56	1
EPA VOA	1,1-Dichloroethane	UG/L	10 U	5000 U	5000 U	5000 U	2 J	10 U	10 U	10 U	10 U	10 U	1 79	5
EPA VOA	1,1-Dichloroethene	UG/L	10 U	5000 U	5000 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	2 37	5
EPA VOA	1,2,4-Trichlorobenzene	UG/L	10 U	5000 U	5000 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	2 64	5
EPA VOA	1,2-Dibromo-3-chloropropane	UG/L	10 U	5000 U	5000 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	2 65	0.04
EPA VOA	1,2-Dibromoethane	UG/L	10 U	5000 U	5000 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	2 13	0.0006
EPA VOA	1,2-Dichlorobenzene	UG/L	10 U	5000 U	5000 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	1 79	3
EPA VOA	1,2-Dichloroethane	UG/L	10 U	5000 U	5000 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	1 44	0.6
EPA VOA	1,2 Dichloropropane	UG/L	10 U	5000 U	5000 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	1 06	1
EPA VOA	1,3-Dichlorobenzene	UG/L	10 U	5000 U	5000 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	1 59	3
EPA VOA	1,4 Dichlorobenzene	UG/L	10 U	5000 U	5000 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	1 95	3
EPA VOA	2-Butanone	UG/L	10 U	5000 U	5000 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	3 79	50*
EPA VOA	2-Hexanone	UG/L	10 U	5000 U	5000 U	2 J	10 U	10 U	10 U	10 U	10 U	10 U	2 89	50*
EPA VOA	4-Methyl-2-pentanone	UG/L	10 U	5000 U	5000 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	1 90	-
EPA VOA	Acetone	UG/L	10 U	5000 U	5000 U	10 U	2 J	10 U	10 U	10 U	10 U	4 BJ	6 24	50*
EPA VOA	Benzene	UG/L	10 U	5000 U	5000 U	16	2 J	10 U	10 U	10 U	10 U	10 U	1 54	1
EPA VOA	Bromodichloromethane	UG/L	10 U	5000 U	5000 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	0 762	50*
EPA VOA	Bromoform	UG/L	10 U	5000 U	5000 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	1 43	50*
EPA VOA	Bromomethane	UG/L	10 U	5000 U	5000 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	5 78	5
EPA VOA	Carbon Disulfide	UG/L	10 U	5000 U	5000 U	10 U	10 U	2 J	2 J	10 U	10 U	10 U	4 40	60*
EPA VOA	Carbon Tetrachloride	UG/L	10 U	5000 U	5000 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	2 14	5
EPA VOA	Chlorobenzene	UG/L	10 U	5000 U	5000 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	1 51	5
EPA VOA	Chloroethane	UG/L	10 U	5000 U	5000 U	5000 U	1 J	10 U	10 U	10 U	10 U	10 U	2 56	5
EPA VOA	Chloroform	UG/L	10 U	5000 U	5000 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	1 98	7
EPA VOA	Chloromethane	UG/L	10 U	5000 U	5000 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	4 20	5
EPA VOA	cis-1,2-Dichloroethene	UG/L	10 U	5000 U	5000 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	2 05	5
EPA VOA	cis-1,3-Dichloropropene	UG/L	10 U	5000 U	5000 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	0 722	0.4**
EPA VOA	Cyclohexane	UG/L	10 U	5000 U	5000 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	2 25	-
EPA VOA	Dibromochloromethane	UG/L	10 U	5000 U	5000 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	1 28	50*
EPA VOA	Dichlorodifluoromethane	UG/L	10 U	5000 U	5000 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	1 93	5
EPA VOA	Ethylbenzene	UG/L	10 U	5000 U	5000 U	43	10 U	10 U	10 U	10 U	10 U	10 U	2 04	5
EPA VOA	Isopropylbenzene	UG/L	10 U	5000 U	5000 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	1 96	5
EPA VOA	Methyl acetate	UG/L	10 U	5000 U	5000 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	3 74	-
EPA VOA	Methyl tert butyl ether	UG/L	10 U	5000 U	5000 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	2 11	10*
EPA VOA	Methylcyclohexane	UG/L	10 U	5000 U	5000 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	2 55	-
EPA VOA	Methylene chloride	UG/L	10 U	5000 U	5000 U	10 U	34 U	40 U	26 U	10 U	10 U	4 BJ	3 95	5
EPA VOA	Styrene	UG/L	10 U	5000 U	5000 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	2 07	5
EPA VOA	Tetrachloroethene	UG/L	10 U	5000 U	5000 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	2 91	5
EPA VOA	Toluene	UG/L	34	130000 D	130000 D	29000 D	4 J	24	18	7 J	17	2 BJ	2 00	5
EPA VOA	Total Xylenes	UG/L	10 U	5000 U	5000 U	190	10 U	10 U	10 U	10 U	10 U	10 U	6 32	15
EPA VOA	trans-1,2-Dichloroethene	UG/L	10 U	5000 U	5000 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	2 68	5
EPA VOA	trans-1,3-Dichloropropene	UG/L	10 U	5000 U	5000 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	1 35	0.4**
EPA VOA	Trichloroethene	UG/L	10 U	5000 U	5000 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	1 96	5
EPA VOA	Trichlorofluoromethane	UG/L	10 U	5000 U	5000 U	10 U	1 J	10 U	10 U	10 U	10 U	10 U	1 61	5
EPA VOA	Vinyl chloride	UG/L	10 U	5000 U	5000 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	3 49	2

MDL - STL Method Detection Limit STL reported results using the ASP 2000 reporting limit
U - The chemical was not detected Value shown is the reporting limit
J - Estimated concentration because the result was below the sample reporting limit or quality control criteria were not met.
D - Sample diluted
B - Compound detected in the corresponding method blank
* Guidance Value
** The sum of cis-1,3-Dichloropropene and trans-1,3-Dichloropropene must be less than 0 4 ug/L
*** Duplicate Sample

Table 3. Off-Site Test Pit Soil Analytical Results - CSX
Sovereign Packaging Group - Off-Site Sampling
June 2002

METHOD	PARAMETER	UNITS	OS/TP-1(6-7)	OS/TP-2(6-7)	OS/TP-3(7-8)	OS/TP-4(4-5)	OS/TP-5(4-5)	TAGM 4046 Soil Cleanup Objectives	TAGM 4046 Soil Cleanup Objectives to Protect GW
9045	Leachable pH	S.U.	7.42 J	7.18 J	6.39 J	7.39 J	6.89 J		
EPA VOA	1,1,1-Trichloroethane	UG/KG	14 U	14 U	2 J	2 J	20 U	800	760
EPA VOA	1,1,2,2-Tetrachloroethane	UG/KG	14 U	14 U	20 U	15 U	20 U	600	600
EPA VOA	trifluoroethane	UG/KG	14 U	14 U	20 U	15 U	20 U	6000	600
EPA VOA	1,1,2-Trichloroethane	UG/KG	14 U	14 U	20 U	15 U	20 U		
EPA VOA	1,1-Dichloroethane	UG/KG	14 U	6 J	10 J	15 U	20 U	200	200
EPA VOA	1,1-Dichloroethene	UG/KG	14 U	14 U	20 U	15 U	20 U	400	400
EPA VOA	1,2,4-Trichlorobenzene	UG/KG	14 U	14 U	20 U	15 U	20 U	3400	3400
EPA VOA	1,2-Dibromo-3-chloropropane	UG/KG	14 U	14 U	20 U	15 U	20 U		
EPA VOA	1,2-Dibromoethane	UG/KG	14 U	14 U	20 U	15 U	20 U		
EPA VOA	1,2 Dichlorobenzene	UG/KG	14 U	14 U	20 U	15 U	20 U	7900	7900
EPA VOA	1,2-Dichloroethane	UG/KG	14 U	14 U	20 U	15 U	20 U	100	100
EPA VOA	1,2-Dichloropropane	UG/KG	14 U	14 U	20 U	15 U	20 U		
EPA VOA	1,3-Dichlorobenzene	UG/KG	14 U	14 U	20 U	15 U	20 U	1600	1550
EPA VOA	1,4-Dichlorobenzene	UG/KG	14 U	14 U	20 U	15 U	20 U	8500	8500
EPA VOA	2-Butanone	UG/KG	14 U	14 U	20 U	15 U	14 J	300	300
EPA VOA	2-Hexanone	UG/KG	14 U	14 U	20 U	15 U	20 U		
EPA VOA	4-Methyl-2-pentanone	UG/KG	14 U	14 U	20 U	15 U	20 U	1000	1000
EPA VOA	Acetone	UG/KG	14 U	16 U	21 U	15 U	44	200	110
EPA VOA	Benzene	UG/KG	14 U	14 U	2 J	15 U	20 U	60	60
EPA VOA	Bromodichloromethane	UG/KG	14 U	14 U	20 U	15 U	20 U		
EPA VOA	Bromoform	UG/KG	14 U	14 U	20 U	15 U	20 U		
EPA VOA	Bromomethane	UG/KG	14 U	14 U	20 U	15 U	20 U		
EPA VOA	Carbon Disulfide	UG/KG	14 U	14 U	20 U	15 U	20 U	2700	2700
EPA VOA	Carbon Tetrachloride	UG/KG	14 U	14 U	20 U	15 U	20 U	600	600
EPA VOA	Chlorobenzene	UG/KG	14 U	14 U	20 U	15 U	20 U	1700	1700
EPA VOA	Chloroethane	UG/KG	14 U	13 J	130	15 U	7 J	1900	1900
EPA VOA	Chloroform	UG/KG	14 U	14 U	20 U	15 U	20 U	300	300
EPA VOA	Chloromethane	UG/KG	14 U	14 U	20 U	15 U	20 U		
EPA VOA	cis-1,2-Dichloroethene	UG/KG	14 U	14 U	20 U	15 U	20 U		
EPA VOA	cis 1,3-Dichloropropene	UG/KG	14 U	14 U	20 U	15 U	20 U		
EPA VOA	Cyclohexane	UG/KG	14 U	14 U	20 U	15 U	20 U		
EPA VOA	Dibromochloromethane	UG/KG	14 U	14 U	20 U	15 U	20 U		
EPA VOA	Dichlorodifluoromethane	UG/KG	14 U	14 U	20 U	15 U	20 U		
EPA VOA	Ethylbenzene	UG/KG	14 U	14 U	6 J	15 U	20 U	5500	5500
EPA VOA	Isopropylbenzene	UG/KG	14 U	14 U	20 U	15 U	20 U		
EPA VOA	Methyl acetate	UG/KG	14 U	14 U	20 U	15 U	20 U		
EPA VOA	Methyl tert butyl ether	UG/KG	14 U	14 U	20 U	15 U	20 U		
EPA VOA	Methylcyclohexane	UG/KG	14 U	14 U	20 U	15 U	20 U		
EPA VOA	Methylene chloride	UG/KG	20 U	80	200	54 U	31 U	100	100
EPA VOA	Styrene	UG/KG	14 U	14 U	20 U	15 U	20 U		
EPA VOA	Tetrachloroethene	UG/KG	14 U	14 U	20 U	15 U	20 U	1400	1400
EPA VOA	Toluene	UG/KG	14 U	14 U	11 J	15 U	2 J	1500	1500
EPA VOA	Total Xylenes	UG/KG	14 U	14 U	58	15 U	20 U	1200	1200
EPA VOA	trans 1,2-Dichloroethene	UG/KG	14 U	14 U	20 U	15 U	20 U	300	300
EPA VOA	trans 1,3-Dichloropropene	UG/KG	14 U	14 U	20 U	15 U	20 U	300	300
EPA VOA	Trichloroethene	UG/KG	14 U	2 J	20 U	15 U	20 U	700	700
EPA VOA	Trichlorofluoromethane	UG/KG	14 U	14 U	20 U	15 U	20 U		
EPA VOA	Vinyl chloride	UG/KG	14 U	14 U	20 U	15 U	20 U	200	200
	Total VOCs	UG/KG		101	419	2	67	10000	

U = The chemical was not detected. Value shown is the reporting limit.
J = Estimated concentration because the result was below the sample reporting limit or quality control criteria were not met.

Table 4. Off-Site Test Pit Groundwater and Surface Water Analytical Results - CSX
Sovereign Packaging Group - Off-Site Sampling
June 2002

METHOD	PARAMETER	UNITS	OS/TP-2(GW)		CSX-SW-1 (Surface Water)		TRIP BLANK	MDL	TOGS 1.1.1 Groundwater Quality Standards and Guidance Values	NY Class D Fresh Surface Water Quality Standards and Guidance Values
EPA VOA	1,1,1-Trichloroethane	UG/L	56		10	U	U	1.73	5	-
EPA VOA	1,1,2,2-Tetrachloroethane	UG/L	10	U	10	U	U	1.47	5	-
EPA VOA	1,1,2-Trichloro-1,2,2-trifluoroethane	UG/L	10	U	1	J	U	1.15	5	-
EPA VOA	1,1,2-Trichloroethane	UG/L	10	U	10	U	U	1.56	1	-
EPA VOA	1,1-Dichloroethane	UG/L	180		10	U	U	1.79	5	-
EPA VOA	1,1-Dichloroethene	UG/L	10	U	10	U	U	2.37	5	-
EPA VOA	1,2,4-Trichlorobenzene	UG/L	10	U	10	U	U	2.64	5	50***
EPA VOA	1,2-Dibromo-3-chloropropane	UG/L	10	U	10	U	U	2.65	0.04	-
EPA VOA	1,2-Dibromoethane	UG/L	10	U	10	U	U	2.13	0.0006	-
EPA VOA	1,2-Dichlorobenzene	UG/L	10	U	10	U	U	1.79	3	50****
EPA VOA	1,2-Dichloroethane	UG/L	10	U	10	U	U	1.44	0.6	-
EPA VOA	1,2-Dichloropropane	UG/L	10	U	10	U	U	1.06	1	-
EPA VOA	1,3-Dichlorobenzene	UG/L	10	U	10	U	U	1.59	3	50****
EPA VOA	1,4-Dichlorobenzene	UG/L	10	U	10	U	U	1.95	3	50****
EPA VOA	2-Butanone	UG/L	10	U	1	J	U	3.79	50*	-
EPA VOA	2-Hexanone	UG/L	10	U	10	U	U	2.89	50*	-
EPA VOA	4-Methyl-2-pentanone	UG/L	10	U	10	U	U	1.90	-	-
EPA VOA	Acetone	UG/L	10	U	10	U	J	6.24	50*	-
EPA VOA	Benzene	UG/L	10	U	10	U	U	1.54	1	10
EPA VOA	Bromodichloromethane	UG/L	10	U	6	J	U	0.762	50*	-
EPA VOA	Bromoform	UG/L	10	U	10	U	U	1.43	50*	-
EPA VOA	Bromomethane	UG/L	10	U	10	U	U	5.78	5	-
EPA VOA	Carbon Disulfide	UG/L	10	U	10	U	U	4.40	60*	-
EPA VOA	Carbon Tetrachloride	UG/L	10	U	10	U	U	2.14	5	-
EPA VOA	Chlorobenzene	UG/L	10	U	10	U	U	1.51	5	50
EPA VOA	Chloroethane	UG/L	100		10	U	U	2.56	5	-
EPA VOA	Chloroform	UG/L	10	U	11		U	1.98	7	-
EPA VOA	Chloromethane	UG/L	10	U	10	U	U	4.20	5	-
EPA VOA	cis-1,2-Dichloroethene	UG/L	10	U	10	U	U	2.05	5	-
EPA VOA	cis-1,3-Dichloropropene	UG/L	10	U	10	U	U	0.722	0.4**	-
EPA VOA	Cyclohexane	UG/L	10	U	10	U	U	2.25	-	-
EPA VOA	Dibromochloromethane	UG/L	10	U	2	J	U	1.28	50*	-
EPA VOA	Dichlorodifluoromethane	UG/L	10	U	10	U	U	1.93	5	-
EPA VOA	Ethylbenzene	UG/L	10	U	10	U	U	2.04	5	150*
EPA VOA	Isopropylbenzene	UG/L	10	U	10	U	U	1.96	5	23*
EPA VOA	Methyl acetate	UG/L	10	U	10	U	U	3.74	-	-
EPA VOA	Methyl tert butyl ether	UG/L	10	U	10	U	U	2.11	10*	-
EPA VOA	Methylcyclohexane	UG/L	10	U	10	U	U	2.55	-	-
EPA VOA	Methylene chloride	UG/L	10	U	10	U	BJ	3.95	5	200
EPA VOA	Styrene	UG/L	10	U	10	U	U	2.07	5	-
EPA VOA	Tetrachloroethene	UG/L	10	U	10	U	U	2.91	5	1*
EPA VOA	Toluene	UG/L	10	U	6	J	U	2.00	5	480*
EPA VOA	Total Xylenes	UG/L	10	U	10	U	U	6.32	15	590
EPA VOA	trans-1,2-Dichloroethene	UG/L	10	U	10	U	U	2.68	5	-
EPA VOA	trans-1,3-Dichloropropene	UG/L	10	U	10	U	U	1.35	0.4**	-
EPA VOA	Trichloroethene	UG/L	10	U	10	U	U	1.96	5	40
EPA VOA	Trichlorofluoromethane	UG/L	10	U	10	U	U	1.61	5	-
EPA VOA	Vinyl chloride	UG/L	10	U	10	U	U	3.49	2	-

MDL = STL Method Detection Limit. STL reported results using the ASP 2000 reporting limit.
U = The chemical was not detected. Value shown is the reporting limit.
J = Estimated concentration because the result was below the sample reporting limit or quality control criteria were not met.
B = Compound detected in the corresponding method blank.
* Guidance Value
** The sum of cis-1,3-Dichloropropene and trans-1,3-Dichloropropene must be less than 0.4 ug/L.
*** The sum of 1,2,4-, 1,2,3-, and 1,3,5-trichlorobenzene must be less than 50 ug/L.
**** The sum of 1,2-, 1,3-, 1,4-dichlorobenzene must be less than 50 ug/L.

Table 5. Area B Soil and Groundwater Analtyical Results Above Cleanup Objectives - 2000 and 2001
Sovereign Packaging Group - Off-Site Sampling
June 2002

PARAMETER	UNITS	GP-1	GP-2	GP-6	SI-5		SI-6		SI-7		SI-8		SI-9		TAGM 4046 Soil Cleanup Objectives	TAGM 4046 Soil Cleanup Objectives to Protect GW	TOGS 1.1.1 Groundwater Quality Standards and Guidance Values
DEPTH	FEET	4 - 8	4 - 8	0 - 4	0 - 4	4 - 8	0 - 4	4 - 8	0 - 4	4 - 8	0 - 4	4 - 8	0 - 4	4 - 8			
SOIL RESULTS																	
1,1,1-Trichloroethane	UG/KG				530 E						12000 J	11000 J			800	760	
1,1-Dichloroethane	UG/KG		2600 DJ		11000 DJ	16000 J									200	200	
Acetone	UG/KG		7800 BD	13000 BJ			690 DJ	420 DJ						120	200	110	
Benzene	UG/KG						510 DJ	410 DJ		87					60	60	
Chloroethane	UG/KG		9400 OD											2700 D	1900	1900	
Ethylbenzene	UG/KG				310 E		3400 D				14000 J			4100 D	5500	5500	
Methylene Chloride	UG/KG				3400 D					360 DJ					100	100	
Toluene	UG/KG	6700 OJ	40000 D	1100000	160000 D	630000	95000 D	19000 D	8700000 D	35000 D	6000000 D	10000000 D	340000 D	400000 D	1500	1500	
Total Xylenes	UG/KG	9800 OJ	5900 D		2600 D	16000 J	1100	7600 D		16000 D	79000 J	99000 J	8400 D	22000 D	1200	1200	
GROUNDWATER RESULTS																	
1,1,1-Trichloroethane	UG/L				5100												5
1,1-Dichloroethane	UG/L		22000		10000								530 J				5
Acetone	UG/L	4800 BD	2000 BJ	460 BJ													50*
Chloroethane	UG/L	850 DJ	16000		4800												5
Ethylbenzene	UG/L		350 J										440 J				5
Methylene Chloride	UG/L																5
Toluene	UG/L	39000 D	49000	120000 E	50000		42000		210000		570000		430000 D				5
Total Xylenes	UG/L	1400 DJ	1900 J	280 J									2200 J				15

J = Estimated concentration because the result was below the sample reporting limit or quality control criteria were not met
D = Sample diluted
B = Compound detected in the corresponding method blank.
E = Identifies compounds whose concentrations exceed the calibration range of the GC/MS instrument for that specific analysis
* Guidance Value
** The sum of cis-1,3-Dichloropropene and trans-1,3 Dichloropropene must be less than 0.4 ug/L.

Table 6. On-Site Waste Characterization Sample Results - Areas A, B, C
Sovereign Packaging Group - Off-Site Sampling
June 2002

METHOD (TCLP)	PARAMETER	UNITS	AREA A (0-4)	AREA B (0-4)	AREA C (0-4)	Hazardous Waste Regulatory Levels
1010	Flashpoint	°F	200 U	200 U	200 U	> 140
6010	Arsenic - Total	UG/L	7 U	30.1	13.4	5000
6010	Barium - Total	UG/L	7750 J	13300 J	6030 J	100000
6010	Cadmium - Total	UG/L	7.9	7.1	11.8	1000
6010	Chromium - Total	UG/L	4.2	7	4	5000
6010	Lead - Total	UG/L	177 J	2020 J	1970 J	5000
6010	Selenium - Total	UG/L	10 U	10 U	10 U	1000
6010	Silver - Total	UG/L	3 U	3 U	3 U	5000
7470	Mercury - Total	UG/L	0.2 U	0.2 U	0.2 U	200
8081	Chlordane	UG/L	0.5 U	0.5 U	0.5 U	30
8081	Endrin	UG/L	0.2 U	0.2 U	0.2 U	20
8081	gamma-BHC (Lindane)	UG/L	0.2 U	0.2 U	0.2 U	400
8081	Heptachlor	UG/L	0.2 U	0.2 U	0.2 U	8
8081	Heptachlor epoxide	UG/L	0.2 U	0.2 U	0.2 U	8
8081	Methoxychlor	UG/L	0.2 U	0.2 U	0.2 U	10000
8081	Toxaphene	UG/L	1 U	1 U	1 U	500
8151	2,4,5-TP (Silvex)	MG/L	0.002 U	0.002 U	0.002 U	1.0
8151	2,4-D	MG/L	0.002 U	0.002 U	0.002 U	10.0
L	1,1-Dichloroethene	MG/L	0.05 U	0.05 U	0.05 U	0.7
L	1,2-Dichloroethane	MG/L	0.05 U	0.05 U	0.05 U	0.5
L	2-Butanone	MG/L	0.1 U	0.1 U	0.1 U	200
L	Benzene	MG/L	0.05 U	0.05 U	0.05 U	0.5
L	Carbon Tetrachloride	MG/L	0.05 U	0.05 U	0.05 U	0.5
L	Chlorobenzene	MG/L	0.05 U	0.05 U	0.05 U	100.0
L	Chloroform	MG/L	0.05 U	0.05 U	0.05 U	6.0
L	Tetrachloroethene	MG/L	0.05 U	0.05 U	0.05 U	0.7
L	Trichloroethene	MG/L	0.05 U	0.05 U	0.05 U	0.5
L	Vinyl chloride	MG/L	0.05 U	0.05 U	0.05 U	0.2
8270	1,4-Dichlorobenzene	MG/L	0.04 U	0.04 U	0.04 U	7.5
8270	2,4,5-Trichlorophenol	MG/L	0.04 U	0.04 U	0.04 U	400
8270	2,4,6-Trichlorophenol	MG/L	0.04 U	0.04 U	0.04 U	2
8270	2,4-Dinitrotoluene	MG/L	0.04 U	0.04 U	0.04 U	0.13
8270	2-Methylphenol	MG/L	0.04 U	0.068	0.1	200
8270	3-Methylphenol	MG/L	0.04 U	0.061	0.1	200
8270	4-Methylphenol	MG/L	0.04 U	0.061	0.1	200
8270	Hexachlorobenzene	MG/L	0.04 U	0.04 U	0.04 U	0.13
8270	Hexachlorobutadiene	MG/L	0.04 U	0.04 U	0.04 U	0.5
8270	Hexachloroethane	MG/L	0.04 U	0.04 U	0.04 U	3.0
8270	Nitrobenzene	MG/L	0.04 U	0.04 U	0.04 U	2.0
8270	Pentachlorophenol	MG/L	0.2 U	0.2 U	0.2 U	100.0
8270	Pyridine	MG/L	0.1 U	0.1 U	0.1 U	5.0
9045	Corrosivity (pH)	S.U.	7.59 J	6.88 J	7.07 J	
9045	Leachable pH	S.U.	7.53 J	6.95 J	7.08 J	2 - 12.5
9095	Paint Filter Test	P/F	0	0	0	
CLP-WC	Cyanide - Total	MG/KG	0.5 U	1.6	0.5 U	
80	Ash Content	%	2.7	3.8	8.4	
SECT7.3	H2S Released From Waste	MG/KG	10 U	10 U	10 U	

U = The chemical was not detected. Value shown is the reporting limit.
J = Estimated concentration because the result was below the sample reporting limit or quality control c

APPENDIX A

GEOPROBE LOGS AND WELL CONSTRUCTION DIAGRAMS

URS Corporation								GEOPROBE BORING LOG	
								BORING NO: OS/GP-1	
PROJECT:	Pierce & Stevens Site, Buffalo, New York							SHEET:	1 of 1
CLIENT:	Sovereign Chemical							PROJECT NO.:	22.00000306.00
BORING CONTRACTOR:	SLC Environmental							BORING LOCATION:	Rigidized Metals property
GROUNDWATER:	5.5' below grade				CAS.	SAMPLER	CORE	TUBE	GROUND ELEVATION:
DATE	TIME	LEVEL	TYPE	TYPE		Macro core			DATE STARTED: 06/05/02
				Dia.		2"			DATE FINISHED: 06/05/02
				Length		48"			DRILLER: R. Rose
				Liner		Acetate			GEOLOGIST: T. Burmeier
									REVIEWED BY:

SAMPLE						DESCRIPTION	REMARKS		
DEPTH FEET	STRATA	Core NO.	RECOVERY %	COLOR	CONSISTENCY HARDNESS	MATERIAL	USCS	PID (ppm) Scan	PID (ppm) Headspace
				Black	Dense	0-0.3' Asphalt, 0.3-1.3' sub-base gravel and sand	Fill	0	0
		1	58%	Gray brown		1.3-7.8' Fill granular texture-silt matrix with fine gravel and sand			
4				Black					
		2	75%			-samples wet at 6.5 feet			0
8				Dark gray	Soft-medium soft				
		3	50%				CL		0
						End of boring at 10.0 feet			

Comments: Boring advanced using a truck mounted Geoprobe GP-40 Direct-Push ng	PROJECT NO.	22.00000306.00
Sampled 6-7' interval for VOC analysis. No odor in samples, no sheen on water.	BORING NO.	OS/GP-1
Borehole reading fluctuating at 1-2 ppm		

URS Corporation	GEOPROBE BORING LOG
	BORING NO: OS/GP-2
PROJECT: Pierce & Stevens Site, Buffalo, New York	SHEET: 1 of 1
CLIENT: Sovereign Chemical	PROJECT NO.: 22.00000306.00
BORING CONTRACTOR: SLC Environmental	BORING LOCATION: Rigidized Metals property
GROUNDWATER: 5.6' below grade	GROUND ELEVATION:
DATE:	DATE STARTED: 06/05/02
TIME:	DATE FINISHED: 06/05/02
LEVEL:	DRILLER: R. Rose
TYPE:	GEOLOGIST: T. Burmeier
	REVIEWED BY:

CAS.	SAMPLER	CORE	TUBE
TYPE	Macro core		
Dia.	2"		
Length	48"		
Liner	Acetate		

SAMPLE						DESCRIPTION	REMARKS		
DEPTH FEET	STRATA	Core NO.	RECOVERY %	COLOR	CONSISTENCY HARDNESS	MATERIAL	USCS	PID (ppm) Scan	PID (ppm) Headspace
		1	68%	Black / Gray brown / Black	Dense	0-0.3', Asphalt, 0.3-1.3' sub-base gravel and sand 1.3-8.0' Fill granular texture-silt matrix with fine gravel and sand, trace brick and coarse gravel	Fill	0	0
4		2	75%			-samples wet at 6.5 feet			250
8		3	100%		Medium soft		CL		9.8
						End of boring at 10.0 feet			

Comments: Boring advanced using a truck mounted Geoprobe GP-40 Direct-Push rig	PROJECT NO. 22.00000306.00
Sampled 6-7' interval for VOC analysis. No sheen on water.	BORING NO. OS/GP-2

URS Corporation

GEOPROBE BORING LOG

BORING NO: OS/GP-3

PROJECT: Pierce & Stevens Site, Buffalo, New York	SHEET: 1 of 1
CLIENT: Sovereign Chemical	PROJECT NO.: 22.00000306.00
BORING CONTRACTOR: SLC Environmental	BORING LOCATION: Rigidized Metals property
GROUNDWATER: 5.6' below grade	GROUND ELEVATION:
	DATE STARTED: 06/05/02
	DATE FINISHED: 06/05/02
	DRILLER: R. Rose
	GEOLOGIST: T. Burmeier
	REVIEWED BY:

DATE	TIME	LEVEL	TYPE	CAS.	SAMPLER	CORE	TUBE
			TYPE		Macro core		
			Dia.		2"		
			Length		48"		
			Liner		Acetate		

SAMPLE						DESCRIPTION	REMARKS		
DEPTH FEET	STRATA	Core NO.	RECOVERY %	COLOR	CONSISTENCY HARDNESS	MATERIAL	USCS	PID (ppm) Scan	PID (ppm) Headspace
		1	75%	Black / Gray brown / Black	Dense	0-0.3': Asphalt, 0.3-1.3' sub-base gravel and sand	Fill	0	0
4						1.3-7.5' Fill granular texture-silt matrix with fine gravel and sand, trace brick and coarse gravel			
		2	50%			-samples wet at 6.5 feet			0
8					Medium soft	Silty clay	CL		
						End of boring at 8.0 feet			

Comments: Boring advanced using a truck mounted Geoprobe GP-40 Direct-Push rig

Sampled 6-7' interval for VOC analysis. No sheen on water.

PROJECT NO.	22.00000306.00
BORING NO.	OS/GP-3

URS Corporation

GEOPROBE BORING LOG

BORING NO: OS/GP-4

PROJECT: Pierce & Stevens Site, Buffalo, New York	SHEET: 1 of 1
CLIENT: Sovereign Chemical	PROJECT NO.: 22.00000306.00
BORING CONTRACTOR: SLC Environmental	BORING LOCATION: Rigidized Metals property
GROUNDWATER: 5.6' below grade	GROUND ELEVATION:
	DATE STARTED: 06/05/02
	DATE FINISHED: 06/05/02
	DRILLER: R. Rose
	GEOLOGIST: T. Burmeier
	REVIEWED BY:

DATE	TIME	LEVEL	TYPE		CAS.	SAMPLER	CORE	TUBE
				TYPE		Macro core		
				Dia.		2"		
				Length		48"		
				Liner		Acetate		

DEPTH FEET	STRATA	SAMPLE Core NO.	RECOVERY %	COLOR	CONSISTENCY / HARDNESS	DESCRIPTION MATERIAL	REMARKS USCS	PID (ppm) Scan	PID (ppm) Headspace
		1	75%	Black / Gray brown	Dense	0-0.3' Asphalt, 0.3-2.5' sub-base gravel and sand	Fill	0	0
4				Black		2.5-8.0' Fill:granular texture-silt matrix with fine gravel			
		2	50%	Black/rusty brown		and sand, trace brick and coarse gravel -samples wet at 6.5 feet			7.8
8									
		3	0%			-no sample recovered			
						End of boring at 10.0 feet			

Comments: Boring advanced using a truck mounted Geoprobe GP-40 Direct-Push rig
Planned to sample 8-10 foot interval but no sample was recovered. Core sample from 4-8 foot interval was exposed to air and was judged to be unusable.

PROJECT NO. 22.00000306.00
BORING NO. OS/GP-4

URS Corporation									GEOPROBE BORING LOG	
									BORING NO: OS/GP-5	
PROJECT:	Pierce & Stevens Site, Buffalo, New York								SHEET:	1 of 1
CLIENT:	Sovereign Chemical								PROJECT NO.:	22.00000306.00
BORING CONTRACTOR:	SLC Environmental								BORING LOCATION:	Rigidized Metals property
GROUNDWATER:	5.3' below grade				CAS.	SAMPLER	CORE	TUBE	GROUND ELEVATION:	
DATE	TIME	LEVEL	TYPE	TYPE		Macro core			DATE STARTED:	06/05/02
				Dia.		2"			DATE FINISHED:	06/05/02
				Length		48"			DRILLER:	R. Rose
				Liner		Acetate			GEOLOGIST:	T. Burmeier
									REVIEWED BY:	

SAMPLE						DESCRIPTION	REMARKS		
DEPTH FEET	STRATA	Core NO.	RECOVERY %	COLOR	CONSISTENCY HARDNESS	MATERIAL	USCS	PID (ppm) Scan	PID (ppm) Headspace
		1	63%	Black / Gray brown	Dense	0-0.3" Asphalt, 0.3-2.5' sub-base gravel and sand	Fill	0	0
4				Black		2.5-8.0' Fill:granular texture-silt matrix with fine gravel and sand, trace brick and porcelain - layered with light gray fill (ash?) from 4-8 feet -samples wet at 7.0 feet			
		2	70%	Black/light Gray					0
8									
		3	100%	Gray green	Medium soft-stiff	Silty clay	CL		0
						End of boring at 10.0 feet			

Comments: Boring advanced using a truck mounted Geoprobe GP-40 Direct-Push rig	PROJECT NO.	22.00000306.00
Sampled 7-8' interval for VOC analysis. No sheen on water.	BORING NO.	OS/GP-5

URS Corporation

GEOPROBE BORING LOG

BORING NO: OS/GP-6

PROJECT: Pierce & Stevens Site, Buffalo, New York	SHEET: 1 of 1
CLIENT: Sovereign Chemical	PROJECT NO.: 22.00000306.00
BORING CONTRACTOR: SLC Environmental	BORING LOCATION: Rigidized Metals property
GROUNDWATER: 5.1' below grade	GROUND ELEVATION:
DATE STARTED:	06/05/02
DATE FINISHED:	06/05/02
DRILLER:	R. Rose
GEOLOGIST:	T. Burmeier
REVIEWED BY:	

DATE	TIME	LEVEL	TYPE	CAS.	SAMPLER	CORE	TUBE
			TYPE		Macro core		
			Dia.		2"		
			Length		48"		
			Liner		Acetate		

SAMPLE						DESCRIPTION	REMARKS		
DEPTH FEET	STRATA	Core NO.	RECOVERY %	COLOR	CONSISTENCY HARDNESS	MATERIAL	USCS	PID (ppm) Scan	PID (ppm) Headspace
				Black	Dense	0-0.3': Asphalt, 0.3-1.8' sub-base gravel and sand	Fill	0	0
		1	50%	Gray brown					
				Black		1.8-8.0' Fill-granular texture-silt matrix with fine gravel and sand			
4									
		2	50%						0
						-samples wet at 6.5 feet			
8					Soft	Silty clay	CL		
						End of boring at 10.0 feet			

Comments: Boring advanced using a truck mounted Geoprobe GP-40 Direct-Push rig

Sampled 6-7' interval for VOC analysis. No sheen on water.

PROJECT NO. 22.00000306.00

BORING NO. OS/GP-6

URS Corporation

GEOPROBE BORING LOG

BORING NO: OS/GP-7

PROJECT: Pierce & Stevens Site, Buffalo, New York	SHEET: 1 of 1
CLIENT: Sovereign Chemical	PROJECT NO.: 22.00000306.00
BORING CONTRACTOR: SLC Environmental	BORING LOCATION: Rigidized Metals property
GROUNDWATER: 5.1' below grade	GROUND ELEVATION:
	DATE STARTED: 06/05/02
	DATE FINISHED: 06/05/02
	DRILLER: R. Rose
	GEOLOGIST: T. Burmeier
	REVIEWED BY:

DATE	TIME	LEVEL	TYPE	CAS. TYPE	SAMPLER	CORE	TUBE
				Dia.	2"		
				Length	48"		
				Liner	Acetate		

DEPTH FEET	STRATA	Core NO.	RECOVERY %	COLOR	CONSISTENCY / HARDNESS	MATERIAL	USCS	PID (ppm) Scan	PID (ppm) Headspace
				Black	Dense	0-0.3': Asphalt, 0.3-1.3' sub-base gravel and sand	Fill	0	0
		1	63%	Gray brown					
				Black		1.3-8.0' Fill-granular texture-silt matrix with fine gravel and sand, trace brick			
4									
									0
		2	50%			-samples wet at 6.5 feet			
8					Soft	Silty clay	CL		
						End of boring at 10.0 feet			

Comments: Boring advanced using a truck mounted Geoprobe GP-40 Direct-Push rig

Sampled 6-7' interval for VOC analysis. No sheen on water.

PROJECT NO. 22.00000306.00

BORING NO. OS/GP-7

URS Corporation

GEOPROBE BORING LOG

BORING NO: OS/GP-8

PROJECT: Pierce & Stevens Site, Buffalo, New York	SHEET: 1 of 1
CLIENT: Sovereign Chemical	PROJECT NO.: 22.00000306.00
BORING CONTRACTOR: SLC Environmental	BORING LOCATION: Rigidized Metals property
GROUNDWATER: 5.1' below grade	GROUND ELEVATION:
	DATE STARTED: 06/05/02
	DATE FINISHED: 06/05/02
	DRILLER: R. Rose
	GEOLOGIST: T. Burmeier
	REVIEWED BY:

DATE	TIME	LEVEL	TYPE	CAS.	SAMPLER	CORE	TUBE
			TYPE		Macro core		
			Dia.		2"		
			Length		48"		
			Liner		Acetate		

DEPTH FEET	STRATA	SAMPLE Core NO.	RECOVERY %	COLOR	CONSISTENCY HARDNESS	DESCRIPTION MATERIAL	USCS	REMARKS PID (ppm) Scan	PID (ppm) Headspace
				Black	Dense	0-0.3' Asphalt, 0.3-1.5' sub-base gravel and sand	Fill	0	0
		1	75%	Gray brown					
				Black		1.5-8.0' Fill:granular texture-silt matrix with fine gravel			
4						and sand, trace rusty cinders			
				Black/		- layered with light gray fill (ash?) from 4-8 feet			0
		2	50%	Light gray					
						-samples wet at 7.0 feet			
8					Soft	Silty clay	CL		
						End of boring at 10.0 feet			

Comments: Boring advanced using a truck mounted Geoprobe GP-40 Direct-Push rig

Sampled 7-8' interval for VOC analysis. No sheen on water.

PROJECT NO. 22.00000306.00

BORING NO. OS/GP-7

DRILLING SUMMARY

Geologist: Tim Burmeier

Drilling Company: SLC Environmental

Driller: Rick Rose

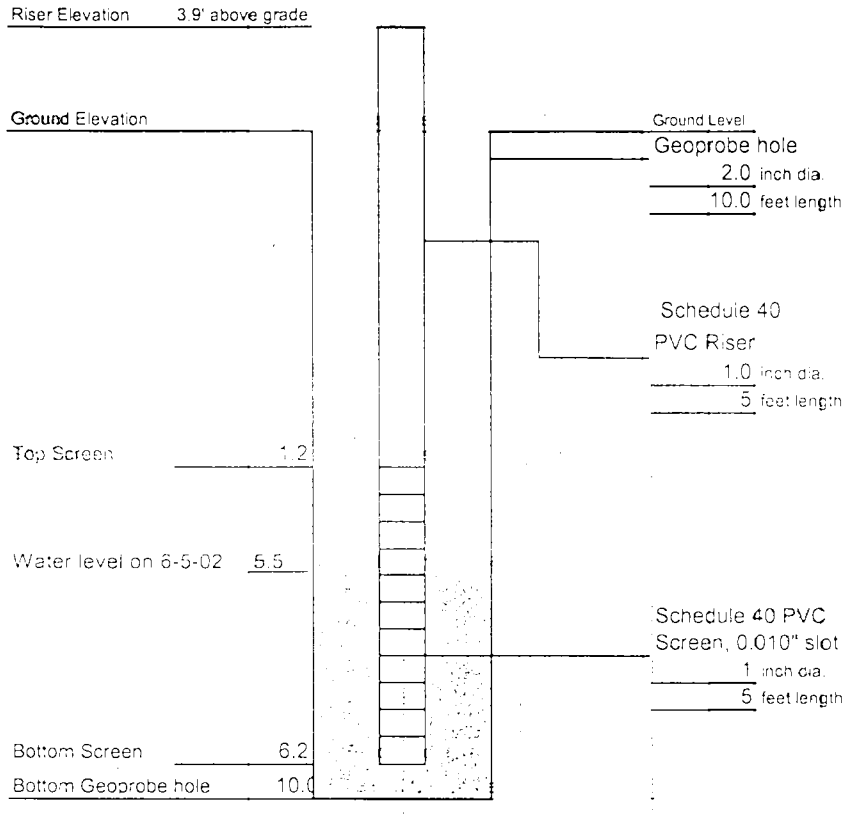
Rig Make/Model: Geoprobe GP-40

Date: 6/5/2002

GEOLOGIC LOG

Depth(ft.)	Description
0-7.8	Fill- granular
7.8-10.0	Silty Clay

DEPTH



WELL DESIGN

CASING MATERIAL		SCREEN MATERIAL		FILTER MATERIAL
Surface:	None	Type:	Schedule 40 PVC	Type: None Setting:
				SEAL MATERIAL
Monitor	Schedule 40 PVC	Slot Size:	0.010"	Type: None Setting: Type: Setting:

COMMENTS: Temporary mini-well installed without filter sand or seal. Removed screen and riser from probe hole after sampling. Backfilled probe hole with bentontite powder to 3 inches below grade. Used compacted asphalt cold patch to fill remainder of boring.

LEGEND

- Cement/Bentonite Grout
- Bentonite Seal
- Silica Sandpack

Client:	Sovereign Chemical	Location:	658 Ohio Street Buffalo, New York	Project No.:	22.00000306.00
URS Corporation		MONITORING WELL CONSTRUCTION DETAILS		Well Number:	OS/GP-1

DRILLING SUMMARY

Geologist:
Tim Burmeier

Drilling Company:
SLC Environmental

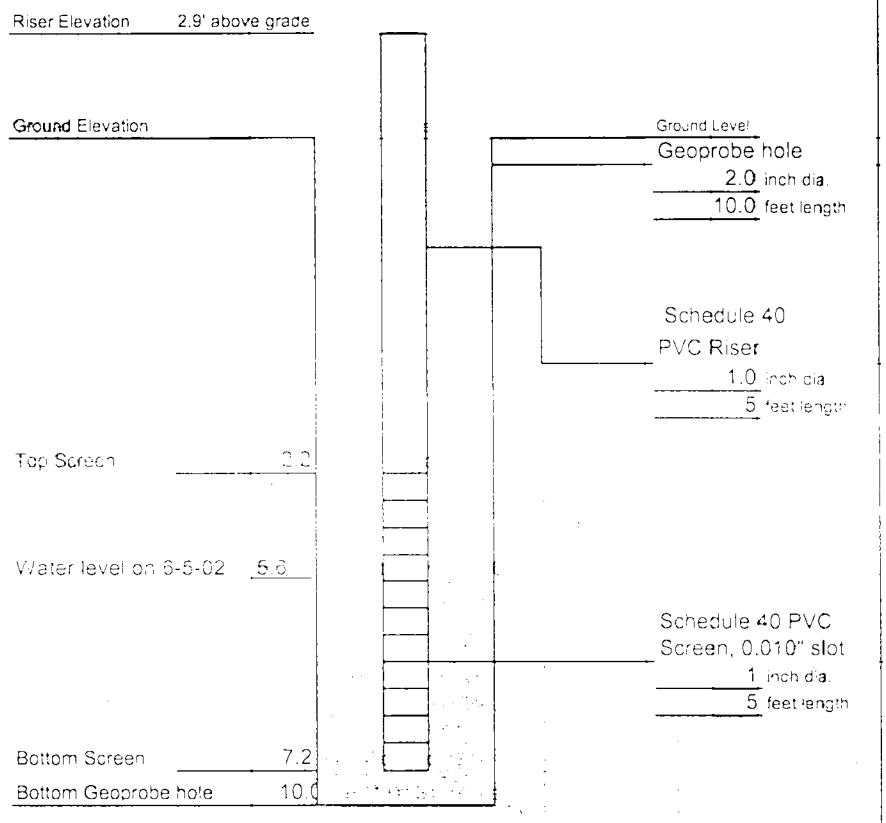
Driller:
Rick Rose

Rig Make/Model:
Geoprobe GP-40

Date:
6/5/2002

GEOLOGIC LOG

Depth(ft.)	Description
0-8.0	Fill- granular
8.0-10.0	Silty Clay



WELL DESIGN

CASING MATERIAL		SCREEN MATERIAL		FILTER MATERIAL
Surface:	None	Type:	Schedule 40 PVC	Type: None Setting:
Monitor	Schedule 40 PVC	Slot Size:	0.010"	SEAL MATERIAL
				Type: None Setting:
				Type: Setting:

COMMENTS: Temporary mini-well installed without filter sand or seal. Removed screen and riser from probe hole after sampling. Backfilled probe hole with bentonite powder to 3 inches below grade. Used compacted asphalt cold patch to fill remainder of boring.

LEGEND

- Cement/Bentonite Grout
- Bentonite Seal
- Silica Sandpack

Client:	Sovereign Chemical	Location:	658 Ohio Street Buffalo, New York
Project No.:	22.00000306.00		
URS Corporation		MONITORING WELL CONSTRUCTION DETAILS	
Well Number:	OS/GP-2		

DRILLING SUMMARY

Geologist:
Tim Burmeier

Drilling Company:
SLC Environmental

Driller:
Rick Rose

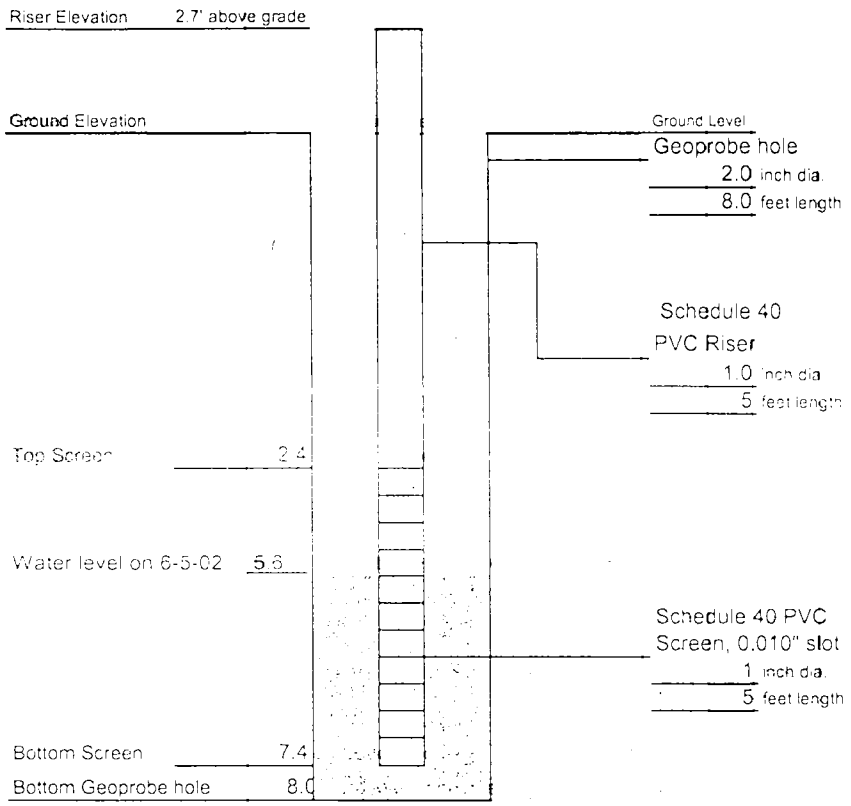
Rig Make/Model:
Geoprobe GP-40

Date:
6/5/2002

GEOLOGIC LOG

Depth(ft.)	Description
0-7.5	F - granular
7.5-10.0	Silty Clay

DEPTH



WELL DESIGN

CASING MATERIAL		SCREEN MATERIAL		FILTER MATERIAL
Surface:	None	Type:	Schedule 40 PVC	Type: None Setting:
				SEAL MATERIAL
Monitor	Schedule 40 PVC	Slot Size:	0.010"	Type: None Setting: Type: Setting:

COMMENTS: Temporary mini-well installed without filter sand or seal. Removed screen and riser from probe hole after sampling. Backfilled probe hole with bentontite powder to 3 inches below grade. Used compacted asphalt cold patch to fill remainder of boring.

LEGEND

- Cement/Bentonite Grout
- Bentonite Seal
- Silica Sandpack

Client:	Sovereign Chemical	Location:	658 Ohio Street Buffalo, New York	Project No.:	22.00000306.00
URS Corporation		MONITORING WELL CONSTRUCTION DETAILS		Well Number:	OS/GP-3

DRILLING SUMMARY

Geologist:
Tim Burmeier

Drilling Company:
SLC Environmental

Driller:
Rick Rose

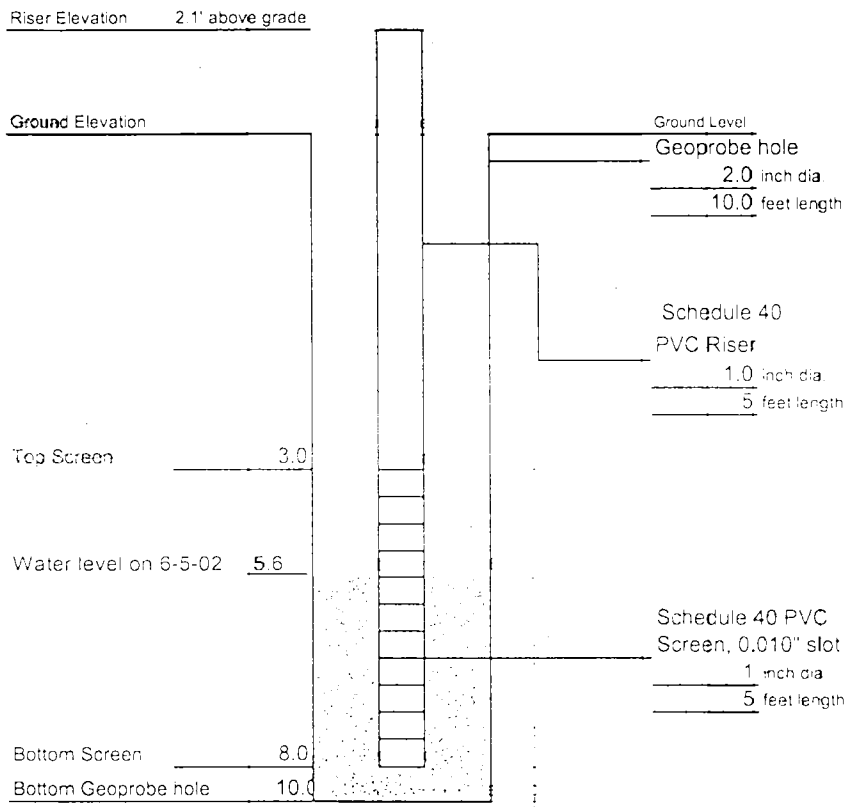
Rig Make/Model:
Geoprobe GP-40

Date:
6/5/2002

GEOLOGIC LOG

Depth(ft.)	Description
0-8.0	Fill- granular
8.0-10.0	No sample recovered

DEPTH



WELL DESIGN

CASING MATERIAL		SCREEN MATERIAL		FILTER MATERIAL	
Surface:	None	Type:	Schedule 40 PVC	Type: None	Setting:
				SEAL MATERIAL	
Monitor	Schedule 40 PVC	Slot Size:	0.010"	Type: None	Setting:
				Type:	Setting:

COMMENTS: Temporary mini-well installed without filter sand or seal. Removed screen and riser from probe hole after sampling. Backfilled probe hole with bentontite powder to 3 inches below grade. Used compacted asphalt cold patch to fill remainder of boring.

LEGEND

- Cement/Bentonite Grout
- Bentonite Seal
- Silica Sandpack

Client:	Sovereign Chemical	Location:	658 Ohio Street Buffalo, New York	Project No.:	22.00000306.00
URS Corporation		MONITORING WELL CONSTRUCTION DETAILS		Well Number:	OS/GP-4

DRILLING SUMMARY

Geologist:
Tim Burmeier

Drilling Company:

SLC Environmental

Driller:
Rick Rose

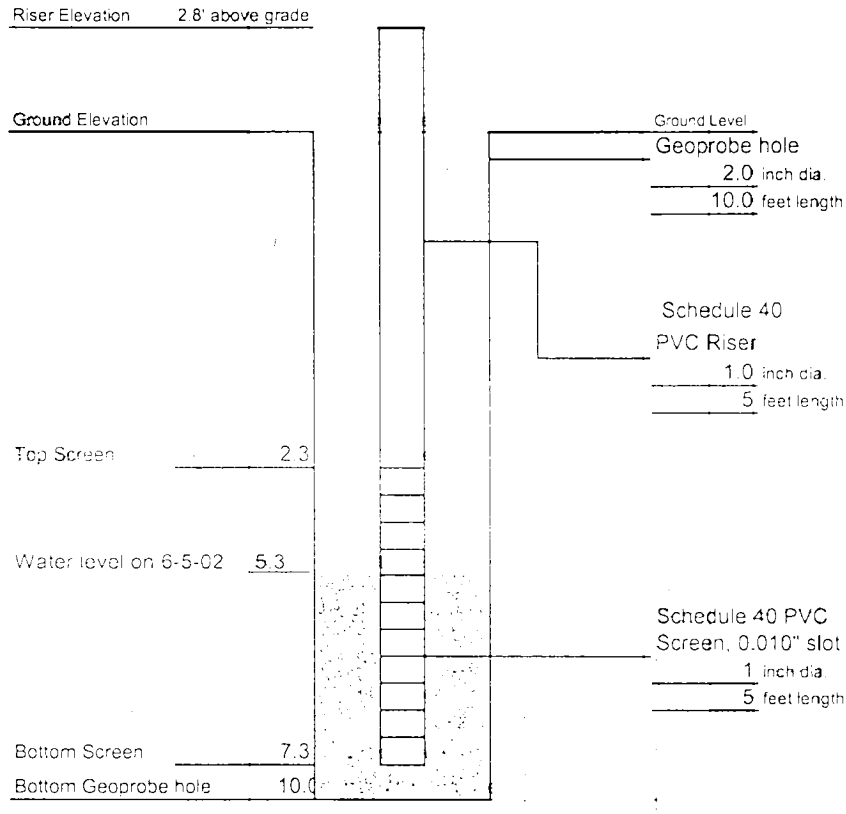
Rig Make/Model:
Geoprobe GP-40

Date:
6/5/2002

GEOLOGIC LOG

Depth(ft.)	Description
0-8.0	Fill- granular
8.0-10.0	Silty clay

D
E
P
T
H



WELL DESIGN

CASING MATERIAL		SCREEN MATERIAL		FILTER MATERIAL
Surface:	None	Type:	Schedule 40 PVC	Type: None Setting:
				SEAL MATERIAL
Monitor	Schedule 40 PVC	Slot Size:	0.010"	Type: None Setting: Type: Setting:

COMMENTS: Temporary mini-well installed without filter sand or seal. Removed screen and riser from probe hole after sampling. Backfilled probe hole with bentonitite powder to 3 inches below grade. Used compacted asphalt cold patch to fill remainder of boring.

LEGEND

- Cement/Bentonite Grout
- Bentonite Seal
- Silica Sandpack

Client:	Sovereign Chemical	Location:	658 Ohio Street Buffalo, New York	Project No.:	22.00000306.00
URS Corporation		MONITORING WELL CONSTRUCTION DETAILS		Well Number:	OS/GP-5

DRILLING SUMMARY

Geologist: Tim Burmeier

Drilling Company: SLC Environmental

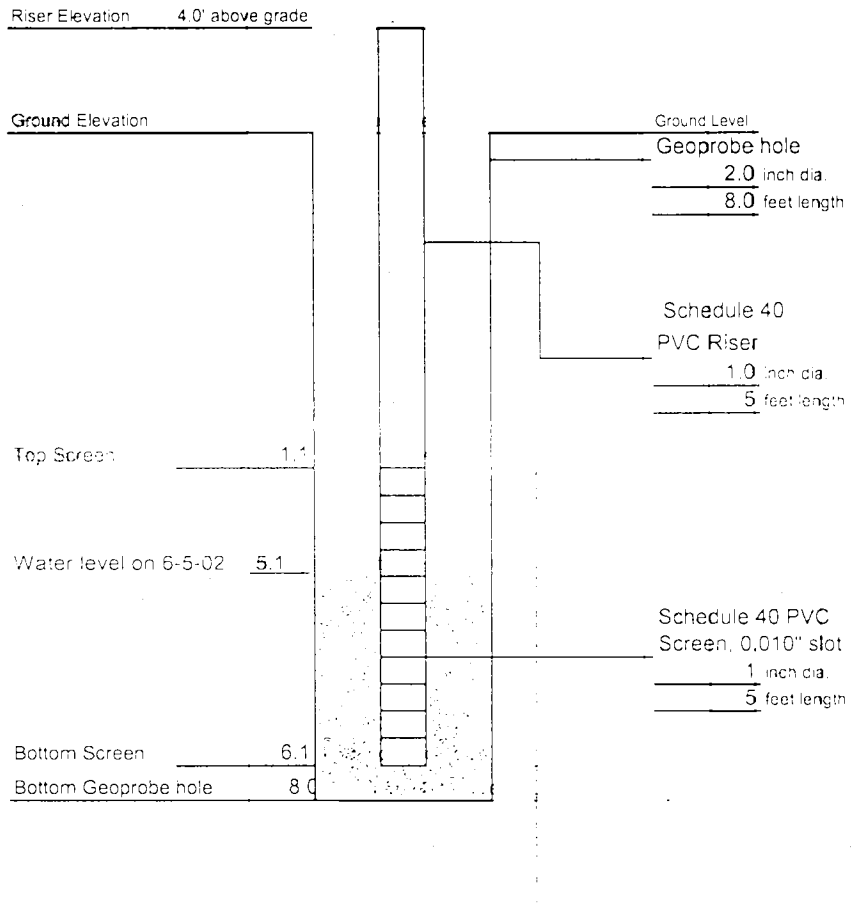
Driller: Rick Rose

Rig Make/Model: Geoprobe GP-40

Date: 6/5/2002

GEOLOGIC LOG

Depth(ft.)	Description
0-7.8	Fill- granular
7.8-8.0	Silty clay



WELL DESIGN

CASING MATERIAL		SCREEN MATERIAL		FILTER MATERIAL	
Surface:	None	Type:	Schedule 40 PVC	Type: None	Setting:
				SEAL MATERIAL	
Monitor	Schedule 40 PVC	Slot Size:	0.010"	Type: None	Setting:
				Type:	Setting:

COMMENTS: Temporary mini-well installed without filter sand or seal. Removed screen and riser from probe hole after sampling. Backfilled probe hole with bentonitite powder to 3 inches below grade. Used compacted asphalt cold patch to fill remainder of boring.

LEGEND

- Cement/Bentonite Grout
- Bentonite Seal
- Silica Sandpack

Client:	Sovereign Chemical	Location:	658 Ohio Street Buffalo, New York	Project No.:	22.00000306.00
URS Corporation		MONITORING WELL CONSTRUCTION DETAILS		Well Number:	OS/GP-6

DRILLING SUMMARY

Geologist: Tim Burmeier

Drilling Company: SLC Environmental

Driller: Rick Rose

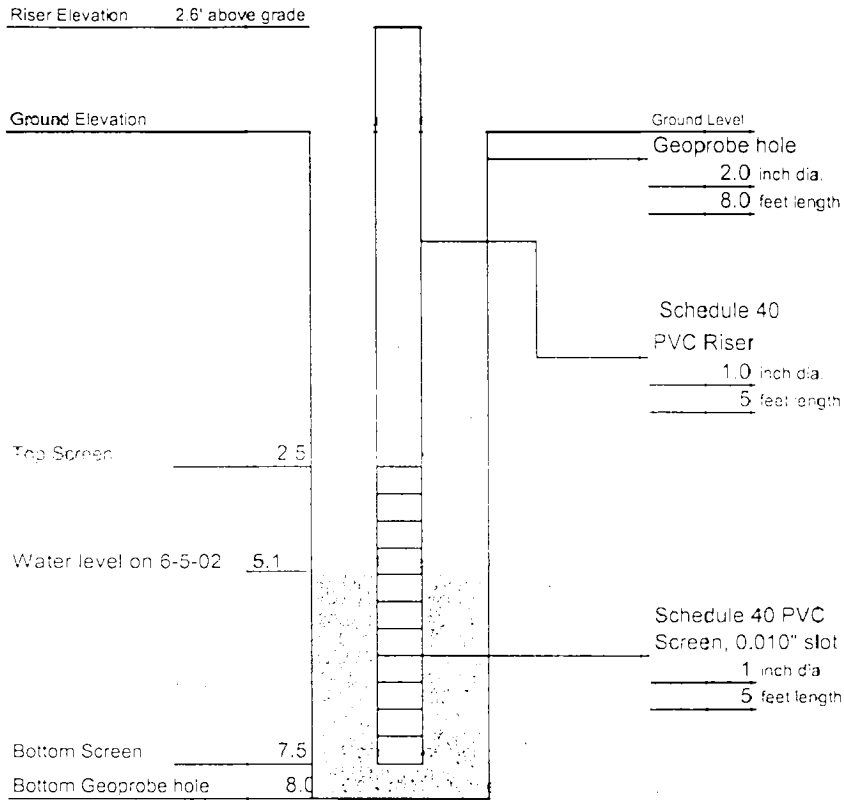
Rig Make/Model: Geoprobe GP-40

Date: 6/5/2002

GEOLOGIC LOG

Depth(ft.)	Description
0-7.8	Fill-granular
7.8-8.0	Silty clay

DEPTH



WELL DESIGN

CASING MATERIAL		SCREEN MATERIAL		FILTER MATERIAL
Surface:	None	Type:	Schedule 40 PVC	Type: None Setting:
				SEAL MATERIAL
Monitor	Schedule 40 PVC	Slot Size:	0.010"	Type: None Setting:
				Type: Setting:

COMMENTS: Temporary mini-well installed without filter sand or seal. Removed screen and riser from probe hole after sampling. Backfilled probe hole with bentontite powder to 3 inches below grade. Used compacted asphalt cold patch to fill remainder of boring.

LEGEND

- Cement/Bentonite Grout
- Bentonite Seal
- Silica Sandpack

Client:	Sovereign Chemical	Location:	658 Ohio Street Buffalo, New York	Project No.:	22.00000306.00
URS Corporation		MONITORING WELL CONSTRUCTION DETAILS		Well Number:	OS/GP-7

DRILLING SUMMARY

Geologist:
Tim Burmeier

Drilling Company:
SLC Environmental

Driller:
Rick Rose

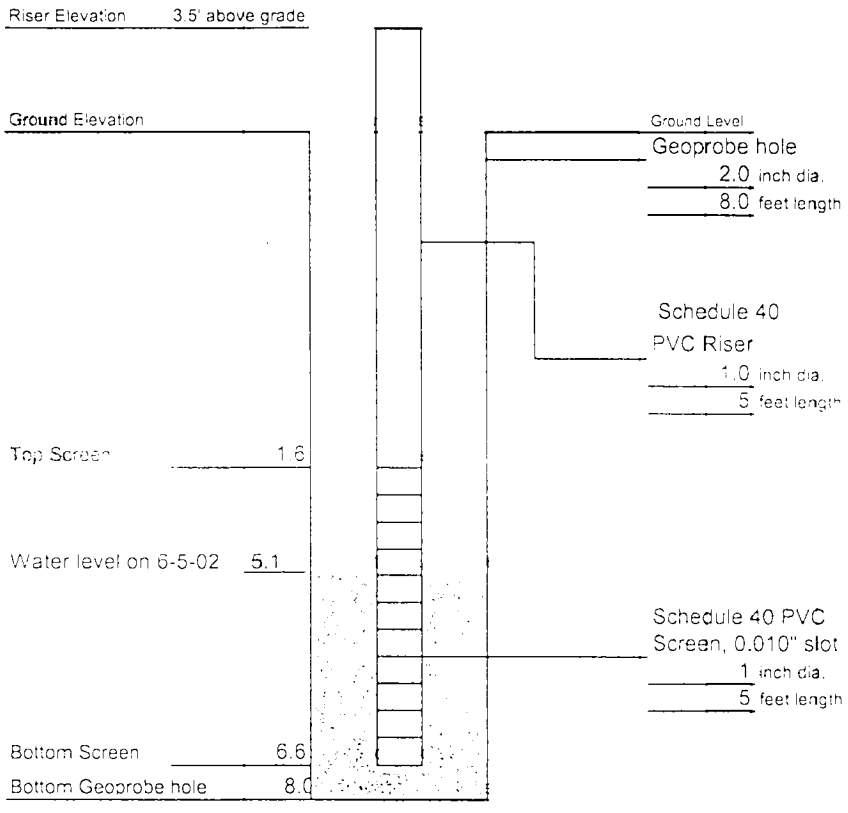
Rig Make/Model:
Geoprobe GP-40

Date:
6/5/2002

GEOLOGIC LOG

Depth(ft.)	Description
0-7.8	Fill- granular
7.8-8.0	Silty clay

DEPTH



WELL DESIGN

CASING MATERIAL		SCREEN MATERIAL		FILTER MATERIAL
Surface:	None	Type:	Schedule 40 PVC	Type: None Setting:
				SEAL MATERIAL
Monitor	Schedule 40 PVC	Slot Size:	0.010"	Type: None Setting: Type: Setting:

COMMENTS: Temporary mini-well installed without filter sand or seal. Removed screen and riser from probe hole after sampling. Backfilled probe hole with bentontite powder to 3 inches below grade. Used compacted asphalt cold patch to fill remainder of boring.

LEGEND

- Cement/Bentonite Grout
- Bentonite Seal
- Silica Sandpack

Client:	Sovereign Chemical	Location: 658 Ohio Street Buffalo, New York	Project No.: 22.00000306.00
URS Corporation		MONITORING WELL CONSTRUCTION DETAILS	Well Number: OS/GP-8

APPENDIX B

DATA USABILITY SUMMARY REPORT

Technical Memorandum

To: Patricia Bryan

From: Susanne Tomajko SFT 9.9.02

Office: Chicago

Date: September 9, 2002

Subject: Data Usability Summary Reports and QA/QC Summary
Sovereign Specialty Chemicals

The Data Usability Summary Reports (DUSRs) for the Sovereign Specialty Chemicals "offsite" sampling projects are attached to this memorandum. The four DUSRs are named for the laboratory sample delivery groups and include the following: DUSR-A02-5796 and DUSR-A02-5812.

If you have any questions regarding the information presented in the reports, please call me to discuss.

SFT:sft

Attachments

File: 2200000306

Data Usability Summary Report
Sample Delivery Group A02-5796
Sovereign Specialty Company
Buffalo, New York

I. INTRODUCTION

This Data Usability Summary Report (DUSR) describes and summarizes the data review process for the "Offsite Sampling" project at the Sovereign Specialty Company. The review process follows procedures outlined in Section II. Section III summarizes the usability of the data. Section IV lists the findings for each parameter evaluated during the review. Severn Trent Laboratory, Buffalo, New York (STL-Buffalo) performed the analyses for this project. The parameter groups and test methods were as follows:

- Volatile Organic Compounds (VOCs) by – by SW846 Method 8260B plus Tentatively Identified Compounds (TICs)
- pH (Leachable) – by SW846 Method 9045C

The laboratory assigns a sample delivery group (SDG) number to a group of samples during the sample log-in process. The SDG number is the means by which the laboratory tracks samples and controls QC analyses. The field identification and requested analytical tests for each sample are summarized in Table 1.

II. REVIEW PROCESS

URS performed a data review of all analytical results to assess data quality. A data review includes an assessment of sample handling protocols, supporting laboratory quality control (QC) parameters, and field QC. The following is a list of specific analytical information evaluated during a data review:

- Data package completeness review – per the NYSDEC ASP Category B or USEPA CLP deliverables requirements
- Analytical methods performed and test method references
- Sample condition - review of log-in records for cooler temperature, presence of headspace, chemical preservation, etc.
- Holding times (comparison of collection, preparation, and analysis dates)
- Analytical results (units, values, significant figures, reporting limits, analyst, percent moisture)
- Laboratory qualifiers and codes
- Sample traceability and comparison to raw data
- Instrument tuning (GC/MS only)
- Initial calibration – comparison to laboratory criteria
- Continuing calibration – comparison to laboratory criteria
- Method blank results and laboratory contamination
- Laboratory control sample (LCS) results and comparison to laboratory control limits
- Matrix spike/matrix spike duplicate (MS/MSD) results and comparison to laboratory

control limits
- Field replicate/duplicate results and comparison to data review criteria
- Surrogate recoveries (where applicable) and comparison to laboratory control limits
- ICP serial dilutions and comparison to laboratory criteria
- Internal Standards (where applicable) and comparison to lab criteria
- Tentatively Identified Compounds (TICs)
- Field QC sample (e.g., trip blanks, equipment blanks, etc.)
- Reporting limits
- Electronic Data Deliverables (EDDs) – comparison to the hardcopy analytical report

The analytical reports were reviewed for completeness and the accompanying QC data were reviewed for acceptable performance. In case documentation was incomplete, the laboratory could be required to provide the missing information. When QC results indicated poor performance, URS applied data qualifiers to the results to inform the data user of the possible performance problem. These qualifiers are in addition to the qualifiers provided by the laboratory. A summary of the data qualifiers used for this review is shown in Table 1. For the EDD evaluation, URS performed a 50 to 100% check of the data to confirm that the results in the hardcopy report matched the results in the electronic file.

III. DATA USABILITY

All analytical results are useable based on criteria described in Section II and the data quality objective specified in the approved work plan (IT, 2001). Laboratory Quality Assurance/Quality Control (QA/QC) requirements were met for all analytical tests. No results were rejected.

It should be noted that sample OS/GP-4 (GW) exhibited concentrations of 1,1-dichloroethane, chloroethane, and toluene above the linear range of the laboratory calibration curve, requiring a diluted analysis. Due to the elevated concentration of toluene, the results for the compounds 1,1-dichloroethane and chloroethane were reported as non-detect from the diluted analysis. The data user should be aware of the presence of these two compounds in the sample. Unfortunately, the results from the undiluted runs are not quantitative values. The results from the undiluted analyses should be considered qualitative data only. Qualitative data cannot be used in risk evaluations.

IV. DATA REVIEW FINDINGS

The following section summarizes the review process and findings associated with the data quality for this project.

1. Completeness Review – STL-Buffalo provided the analytical report in the New York State Department of Environmental Conservation (NYSDEC) format (ASP, 2000). All necessary documents were included in the report package including a case narrative summarizing the significant QC issues associated with the project analyses.

2. Test Methods – The laboratory performed the analyses using the analytical test methods listed in Section I.

3. Sample Receipt – Seven soil and nine aqueous samples (not including QC samples) were submitted to the laboratory. The sample temperatures at the time of receipt were within the recommended temperature range of 4°C±2°C. Field and laboratory personnel completed the COC correctly recording the signature, date, and time of custody transfer. The samples were collected on June 5, 2002. URS personnel transported the samples to the laboratory on the same day. The COC did not show a request for pH analysis. It was assumed that the request was made by the project manager after sample collection. The laboratory did not indicate in their case narrative whether aqueous samples for VOC analysis were adequately preserved at a pH of less than 2 S.U. Unless discussed in the case narrative as a non-conformance, the laboratory indicated that URS should assume that the samples were properly preserved at the time of receipt.

4. Holding Times – The laboratory performed the VOC analyses within EPA-recommended holding times. Samples for VOC analysis were collected in 4-ounce jars. The laboratory analyzed all samples for pH twelve days after collection. Although there is no specified hold time for pH in the NYSDEC guidance (ASP, 2000), the general industry standard is to complete pH analysis within 48 hours of sample collection. The pH results were qualified as estimated (J) by URS to indicate that the analysis was performed past the recommended hold time.

5. Analytical Results – For each sample tested, the laboratory provided the analytical test information using the Contract Laboratory Program (CLP) format. This format requires the use of stylized forms to present critical information pertaining to the analyses performed. For all analytical results, the laboratory provided a Form I with the reported analytical results for the requested analyses. The Form I format shows the following information for organic analyses: the laboratory name; laboratory code; matrix; sample weight per volume; the extraction type; the percent moisture; the gas chromatography (GC) column identification; the extract volume; the sample identification; the laboratory file identification; the date the sample was received; the date the sample was analyzed; the dilution factor; the chemical abstract service (CAS) number; the units of measure; and the laboratory qualifier (if any). Additional CLP forms were provided (e.g., II, III, etc.) to report applicable QC information for the analyses performed. The laboratory provided all the appropriate forms for the requested methods.

6. Laboratory Qualifers and Codes – The laboratory used various qualifiers and codes to identify specific reporting information concerning each result. The laboratory qualifiers and codes (and their corresponding definitions) which were used by the laboratory for this SDG, are summarized as follows:

   - U – non-detect result at the established laboratory reporting limit (adjusted for percent moisture, if applicable)
   - B – associated with a result if the compound was identified in the corresponding method blank
   - J - indicates an estimated value or a value below the established reporting limit but above the method detection limit
   - D – indicates a results from the analysis of secondary dilution
   - N – indicates presumptive evidence of a compound. This flag is used for TICs only.
   - E – this flag identifies compounds whose concentrations exceed the calibration range

of the instrument for the specific analysis; data qualified with an "E" are not qualitative only and not useable for quantitative purposes. All organic results qualified by the laboratory were required to be re-analyzed using an applicable dilution and re-reported. The "E" qualifier would then have been replace with a "D" qualifier, definition per the above.

The laboratory qualifiers were revised by URS during the data review process to simplify the presentation of data in the final report per the USEPA Region 2 Guidance (USEPA, 2001). Generally, all codes used by the laboratory to indicate results associated with quality control/performance problems were replaced in the electronic database with a "J" qualifier. Per the NYSDEC guidance (ASP, 2000), the "J" qualifier indicates estimated data. In addition, results associated with laboratory QC analyses that were significantly beyond established control limits, were evaluated on a case-by-case basis. Both professional judgement and NYSDEC guidance were used in the evaluation of this data. A detailed explanation is provided in this report, where applicable.

7. Sample Traceability and Comparison to Raw Data – Traceability of the organic analyses is established by Form V (Instrument Performance Check). This form lists the project samples analyzed per laboratory batch processed and the corresponding QC samples performed with the project samples. All project samples listed by the laboratory for this SDG were included on the applicable forms.

8. Instrument Tuning (GC/MS only) - The GC/MS instrument performance (i.e., "tuning data," or a check of mass spectral ion intensities using bromofluorobenzene (BFB) met method criteria. The instrument performance was checked prior to calibration and once every 12-hour shift for all analytical QC batches.

9. Initial Calibration - The initial calibration performed for the GC/MS system met method criteria; i.e., response factors for System Performance Check Compounds (SPCCs) met required method levels, and the Relative Standard Deviations (RSDs) for all target compounds were less than 20% (ASP, 2000). The laboratory did not report any deviations for the initial calibration.

10. Calibration Verification - The calibration verification was performed with a mid-level standard immediately following the tuning check at the beginning of each 12-hour analytical sequence. The response factors for the SPCCs met required levels. The laboratory did not report any deviations for the percent drift criteria for the continuing calibration.

11. Laboratory Method and Extraction Blanks – Most method blanks contained trace levels of several of the target compounds. The VOC method blanks contained one or more of the following contaminants: methylene chloride, acetone, toluene, chloromethane, 1,2,4-trichlorobenzene, 1,1,2-trichloro-1,2,2, trifluoroethane. If the method blanks were associated with project sample analyses, the corresponding sample results for the identified contaminants were revised to non-detect results if the associated sample results were less than 10 times the method blank result, per CLP guidance. Generally, most samples were affected by this qualification practice for the compounds methylene chloride and acetone. A summary of the changes to reported laboratory results for the VOCs is

presented in Table 1. The trip blank submitted with this SDG also contained trace levels of acetone, methylene chloride and toluene. This information was also used to revise project sample analytical results based on contamination.

12. Laboratory Control Samples (LCSs) – All percent recoveries for the VOC analyses were within the laboratory control limits.

13. Matrix Spike/Matrix Spike Duplicate (MS/MSD) – URS submitted project sample OS/GP-2 [6-7] and OS/GP-5 (GW) for MS/MSD analyses. The percent recoveries for OS/GP-5 (GW) were within laboratory control limits. The percent recoveries for chlorobenzene, toluene, and trichloroethene were outside of laboratory control limits. Additionally, the relative percent difference (RPD) values for all five (of a total of five) spiked compounds (also including 1,1-dichloroethene and benzene) were above the laboratory upper control limits. For this reason, VOCs for sample OS/GP-2 [6-7] were qualified as "J" or "UJ" to indicate estimated results.

14. Laboratory (Method) Duplicates (MDs) – The laboratory did not select a project sample for method duplicate analyses.

15. Field Replicate/Duplicate Samples – Project samples OS/GP-6 (GW) and OS/GP-6 (D)(GW) were submitted to the laboratory as field duplicates. The calculated RPDs were less than review criteria (30%) for the compounds with results above the laboratory reporting limits.

16. Field QC Samples – A trip blank (TB-1) was submitted with the project samples. The trip blank contained methylene chloride, acetone, and toluene at 4BJ ug/l, 4BJ ug/l, and 2BJ ug/l, respectively. Project sample results were revised based on trip blank contamination in accordance with practices listed in Comment No. 11.

17. Surrogates – The surrogate were within laboratory control limits for the VOC analyses of the project samples

18. ICP Serial Dilutions – ICP serial dilution evaluation is applicable to metal analyses only.

19. Internal Standards (IS) – The responses of all internal standards associated with target compounds were within the range of 50-200% of the associated calibration verification for all project samples. All internal standard retention times were within ± 30 seconds from that of the most recent calibration for all analyses.

20. Tentatively Identified Compounds (TICs) – The laboratory was required to report a TIC summary for all VOC samples. Most samples contained one or more TICs, with hexane being the most frequently identified compound. No target compounds were reported as TICs. TICs were not included in the EDD; therefore, no action was taken by URS to revise or edit the identified compounds based on method blank contamination. See Comment No. 11.

21. Reporting Limits – The laboratory reporting limits issued for the results for the VOCs were in accordance with the project work plan (IT, 2001). The laboratory reported

estimated data (below the laboratory reporting limit) but above the laboratory MDL. The laboratory qualified the VOC estimated data with a "J" qualifier. Also, sample OS/GP-4 (GW) exhibited the concentration of 1,1-dichloroethane, chloroethane, and toluene above the linear range of the initial calibration curve, requiring a dilution. Due to the extremely high concentration of toluene, the results for the compounds 1,1-dichloroethane and chloroethane were reported as non-detect due to the diluted analysis performed. The data user should be aware of the presence of these two compounds in the sample and consider them present in the matrix. Unfortunately, the results from the undiluted runs are not quantitative values. The results should be considered qualitative only (i.e., cannot be used in risk evaluations).

22. Electronic Data Deliverables (EDDs) – The results in electronic database matched results listed on the hardcopy analytical report including laboratory qualifiers. The qualifiers and results were revised based on quality control issues, and changes are listed in previous comments made in this data usability summary report. A summary of the changes to the EDD is presented in Table 1.

V. REFERENCES

ASP. 2000. New York State Department of Environmental Conservation (NYSDEC) Guidance documents including Exhibits A, B, C, D, E, F, G, H, and I. June 2000. *(Provided by Severn Trent Labortory, Buffalo, New York)*

ASTM. 2001. American Society of Testing and Materials (ASTM) "Annual Book of Standards" Volume 11.01.

IT, 2001. "Offsite Field Sampling and Quality Assurance Plan" (Appendix A). IT Corporation (IT). Submitted to Sovereign Chemical Company, Buffalo, New York. October 2001.

USEPA. 1997. "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods" (SW846). United States Environmental Protection Agency (USEPA) Final Update III December 1996 (Revised 1997).

USEPA. 2001. "CLP Organics Data Review and Preliminary Review: SOP HW-6." USEPA Region II. Revision 12. March 2001.

Table 1
Qualifiers for SDG A02-5796

Sample Identifications	Sample Analyses	Data Qualifiers
OS/GP-1 [6-7] A25796-01	VOCs	▪ The result for acetone (5BJ ug/kg) and methylene chloride (49B ug/kg) were revised to a non-detect values (12U ug/kg and 49U ug/kg) due to laboratory method blank contamination.
	pH	▪ The result was qualified as estimated (J) due to analysis past the recommended hold time.
OS/GP-1 (GW) A25796-08	VOCs	▪ The result for acetone (3J ug/l) and methylene chloride (10BJ ug/l) were revised to a non-detect values (10U ug/l, both results) due to laboratory method blank contamination and trip blank contamination.
OS/GP-2 [6-7] A25796-02 *MS/MSD Required*	VOCs	▪ The results for all compounds were qualified as estimated (J/UJ) to indicate estimated data due to the percent recoveries of the MS/MSD analyses outside of laboratory criteria. ▪ The result for toluene (260E ug/kg) was replaced with the result from the secondary, diluted run (350D ug/kg) due to the initial result exceeding the calibration curve.
	pH	▪ The result was qualified as estimated (J) due to analysis past the recommended hold time.
OS/GP-2 (GW) A25796-09	VOCs	▪ The result for acetone (1200BJ ug/l) and methylene chloride (4500BJ ug/l) were revised to non-detect values (5000U ug/l, both results) due to laboratory method blank contamination. ▪ The result for toluene (130000E ug/l) was replaced with the result from the secondary, diluted run (130000D ug/l) due to the initial result exceeding the calibration curve.
OS/GP-3 [6-7] A25796-03	VOCs	▪ The results for acetone (110B ug/kg) and methylene chloride (220B ug/kg) were revised to 110 ug/kg and 220 ug/kg (no qualification) because the concentration in the project sample was significantly greater (10x) than the method blank contamination. The concentration in the sample cannot be attributed to method blank contamination alone. ▪ The result for toluene (650E ug/kg) was replaced with the result from the secondary, diluted run (1000D ug/kg) due to the initial result exceeding the calibration curve.
	pH	▪ The result was qualified as estimated (J) due to analysis past the recommended hold time.
OS/GP-3 (GW) A25796-10	VOCs	▪ The result for acetone (1100BJ ug/l), chloromethane (1000BJ ug/l), and methylene chloride (2400BJ ug/l) were revised to non-detect values (5000U ug/l, all results) due to laboratory method blank contamination. ▪ The result for toluene (130000E ug/l) was replaced with the result from the secondary, diluted run (130000D ug/l) due to the initial result exceeding the calibration curve. Also, the laboratory "B" qualifier was removed from the EDD for the diluted result because the concentration in the sample cannot be attributed to method blank contamination.
OS/GP-4 (GW) A25796-11	VOCs	▪ The result for acetone (5BJ ug/l), chloromethane (3BJ ug/l), and methylene chloride (4BJ ug/l) were revised to non-detect values (10U ug/l, all results) due to laboratory method blank contamination. ▪ The result for toluene (2000BE ug/l) was replaced with the result from the secondary, diluted run (29000D ug/l) due to the initial result exceeding the calibration curve. ▪ The results for chloroethane (400E ug/l) and 1,1-dichloroethane (220 E ug/L) were revised to 5000U ug/L (both results) due to the diluted analysis. The data user should be aware that these compounds are present in the sample matrix but could not be quantified due to the diluted analysis.

Table 1
Qualifiers for SDG A02-5796

Sample Identifications	Sample Analyses	Data Qualifiers
OS/GP-5 [7-8] A25796-04	VOCs	• The result for acetone (47B ug/kg) was revised to 47 ug/kg (no qualification) because the concentration in the project sample was significantly greater (10x) than the method blank contamination. The concentration in the sample cannot be attributed to method blank contamination alone. • The result for methylene chloride (99B ug/kg) was revised to a non-detect value (99U ug/kg) due to laboratory method blank contamination.
	pH	• The result was qualified as estimated (J) due to analysis past the recommended hold time.
OS/GP-5 (GW) A25796-12 *MS/MSD Required*	VOCs	• The result for 1,1,2-trichloro-1,2,2-trifluoroethane (2BJ ug/l), chloromethane (2BJ ug/l), and methylene chloride (34B ug/l) were revised to non-detect values (10U, 10U, 34 U ug/l, respectively) due to laboratory method blank contamination.
OS/GP-6 [6-7] A25796-05	VOCs	• The results for acetone (22B ug/kg) and methylene chloride (220B ug/kg) were revised to 22 ug/kg and 220 ug/kg (no qualifications) because the concentration in the project sample was significantly greater (10x) than the method blank contamination. The concentration in the sample cannot be attributed to method blank contamination alone.
	pH	• The result was qualified as estimated (J) due to analysis past the recommended hold time.
OS/GP-6 (GW) A25796-13	VOCs	• The result for 1,1,2-trichloro-1,2,2-trifluoroethane (2BJ ug/l), acetone (3BJ ug/l), and methylene chloride (40B ug/l) were revised to non-detect values (10U, 10U, 34 U ug/l, respectively) due to laboratory method blank contamination.
OS/GP-6 (D) (GW) A25796-14	VOCs	• The result for 1,1,2-trichloro-1,2,2-trifluoroethane (2BJ ug/l), acetone (4BJ ug/l), and methylene chloride (26B ug/l) were revised to non-detect values (10U, 10U, 26 U ug/l, respectively) due to laboratory method blank contamination.
OS/GP-7 [6-7] A25796-06	VOCs	• The result for acetone (5BJ ug/kg) and methylene chloride (30B ug/kg) were revised to a non-detect values (11U ug/kg and 30U ug/kg) due to laboratory method blank contamination.
	pH	• The result was qualified as estimated (J) due to analysis past the recommended hold time.
OS/GP-7 (GW) A25796-15	VOCs	• The result for 1,1,2-trichloro-1,2,2-trifluoroethane (2BJ ug/l), acetone (4BJ ug/l), and methylene chloride (3BJ ug/l) were revised to non-detect values (10U ug/l, all results) due to laboratory method blank contamination.
OS/GP-8 [7-8] A25796-07	VOCs	• The result for acetone (5BJ ug/kg) and methylene chloride (72B ug/kg) were revised to a non-detect values (17U ug/kg and 72U ug/kg) due to laboratory method blank contamination.
	pH	• The result was qualified as estimated (J) due to analysis past the recommended hold time.
OS/GP-8 (GW) A25796-16	VOCs	• The result for 1,1,2-trichloro-1,2,2-trifluoroethane (2BJ ug/l), acetone (3BJ ug/l), chloromethane (2 BJ ug/l), and methylene chloride (3BJ ug/l) were revised to non-detect values (10U ug/l, all results) due to laboratory method blank contamination.
TB-1 A25796-17 *Trip Blank*	VOCs	• The laboratory "B" qualifiers were retained for the compounds acetone, methylene chloride, and toluene to indicate laboratory method blank contamination. Field QC sample results are not revised for method blank contamination.

Data Qualifier Definitions: The reason for each of the specified data qualifier is included in the above table. Qualifiers from the laboratory are not included in this table, but are retained in the final EDD database unless otherwise noted above.
U = The chemical was not detected. Value shown is the reporting limit.
J = Estimated concentration because the result was below the sample reporting limit or quality control criteria were not met.
UJ = The chemical was not detected at or above the sample reporting limit. However, the reporting limit is approximate and may or may not represent the actual limit of reporting necessary to accurately and precisely measure the chemical in the sample.
R = The result was rejected. The presence or absence of the compound cannot be determined.

ATTACHMENT
(Final Results)

Sovereign_Chemical_Final

JOBNO	CLIENTID	LABSAMPID	METHOD	PARAMETER	Result	UM	FLAGS	Final_Qualifier
A02-5796	OS/GP-1(6-7)	A2579601	9045	Leachable pH	8.68	S.U.		J
A02-5796	OS/GP-1(6-7)	A2579601	EPA VOA	1,1,1-Trichloroethane	12	UG/KG	U	U
A02-5796	OS/GP-1(6-7)	A2579601	EPA VOA	1,1,2,2-Tetrachloroethane	12	UG/KG	U	U
A02-5796	OS/GP-1(6-7)	A2579601	EPA VOA	1,1,2-Trichloro-1,2,2-trifluoroethane	12	UG/KG	U	U
A02-5796	OS/GP-1(6-7)	A2579601	EPA VOA	1,1,2-Trichloroethane	12	UG/KG	U	U
A02-5796	OS/GP-1(6-7)	A2579601	EPA VOA	1,1-Dichloroethane	12	UG/KG	U	U
A02-5796	OS/GP-1(6-7)	A2579601	EPA VOA	1,1-Dichloroethene	12	UG/KG	U	U
A02-5796	OS/GP-1(6-7)	A2579601	EPA VOA	1,2,4-Trichlorobenzene	12	UG/KG	U	U
A02-5796	OS/GP-1(6-7)	A2579601	EPA VOA	1,2-Dibromo-3-chloropropane	12	UG/KG	U	U
A02-5796	OS/GP-1(6-7)	A2579601	EPA VOA	1,2-Dibromoethane	12	UG/KG	U	U
A02-5796	OS/GP-1(6-7)	A2579601	EPA VOA	1,2-Dichlorobenzene	12	UG/KG	U	U
A02-5796	OS/GP-1(6-7)	A2579601	EPA VOA	1,2-Dichloroethane	12	UG/KG	U	U
A02-5796	OS/GP-1(6-7)	A2579601	EPA VOA	1,2-Dichloropropane	12	UG/KG	U	U
A02-5796	OS/GP-1(6-7)	A2579601	EPA VOA	1,3-Dichlorobenzene	12	UG/KG	U	U
A02-5796	OS/GP-1(6-7)	A2579601	EPA VOA	1,4-Dichlorobenzene	12	UG/KG	U	U
A02-5796	OS/GP-1(6-7)	A2579601	EPA VOA	2-Butanone	12	UG/KG	U	U
A02-5796	OS/GP-1(6-7)	A2579601	EPA VOA	2-Hexanone	12	UG/KG	U	U
A02-5796	OS/GP-1(6-7)	A2579601	EPA VOA	4-Methyl-2-pentanone	12	UG/KG	U	U
A02-5796	OS/GP-1(6-7)	A2579601	EPA VOA	Acetone	12	UG/KG	BJ	U
A02-5796	OS/GP-1(6-7)	A2579601	EPA VOA	Benzene	12	UG/KG	U	U
A02-5796	OS/GP-1(6-7)	A2579601	EPA VOA	Bromodichloromethane	12	UG/KG	U	U
A02-5796	OS/GP-1(6-7)	A2579601	EPA VOA	Bromoform	12	UG/KG	U	U
A02-5796	OS/GP-1(6-7)	A2579601	EPA VOA	Bromomethane	12	UG/KG	U	U
A02-5796	OS/GP-1(6-7)	A2579601	EPA VOA	Carbon Disulfide	12	UG/KG	U	U
A02-5796	OS/GP-1(6-7)	A2579601	EPA VOA	Carbon Tetrachloride	12	UG/KG	U	U
A02-5796	OS/GP-1(6-7)	A2579601	EPA VOA	Chlorobenzene	12	UG/KG	U	U
A02-5796	OS/GP-1(6-7)	A2579601	EPA VOA	Chloroethane	12	UG/KG	U	U
A02-5796	OS/GP-1(6-7)	A2579601	EPA VOA	Chloroform	12	UG/KG	U	U
A02-5796	OS/GP-1(6-7)	A2579601	EPA VOA	Chloromethane	12	UG/KG	U	U
A02-5796	OS/GP-1(6-7)	A2579601	EPA VOA	cis-1,2-Dichloroethene	12	UG/KG	U	U
A02-5796	OS/GP-1(6-7)	A2579601	EPA VOA	cis-1,3-Dichloropropene	12	UG/KG	U	U
A02-5796	OS/GP-1(6-7)	A2579601	EPA VOA	Cyclohexane	12	UG/KG	U	U
A02-5796	OS/GP-1(6-7)	A2579601	EPA VOA	Dibromochloromethane	12	UG/KG	U	U
A02-5796	OS/GP-1(6-7)	A2579601	EPA VOA	Dichlorodifluoromethane	12	UG/KG	U	U
A02-5796	OS/GP-1(6-7)	A2579601	EPA VOA	Ethylbenzene	12	UG/KG	U	U
A02-5796	OS/GP-1(6-7)	A2579601	EPA VOA	Isopropylbenzene	12	UG/KG	U	U
A02-5796	OS/GP-1(6-7)	A2579601	EPA VOA	Methyl acetate	12	UG/KG	U	U
A02-5796	OS/GP-1(6-7)	A2579601	EPA VOA	Methyl tert butyl ether	12	UG/KG	U	U
A02-5796	OS/GP-1(6-7)	A2579601	EPA VOA	Methylcyclohexane	12	UG/KG	U	U
A02-5796	OS/GP-1(6-7)	A2579601	EPA VOA	Methylene chloride	49	UG/KG	B	U
A02-5796	OS/GP-1(6-7)	A2579601	EPA VOA	Styrene	12	UG/KG	U	U

Sovereign_Chemical_Final

JOBNO	CLIENTID	LABSAMPID	METHOD	PARAMETER	Result	UM	FLAGS	Final_Qualifier
A02-5796	OS/GP-1(6-7)	A2579601	9045	Leachable pH	8.68	S.U.		J
A02-5796	OS/GP-1(6-7)	A2579601	EPA VOA	1,1,1-Trichloroethane	12	UG/KG	U	U
A02-5796	OS/GP-1(6-7)	A2579601	EPA VOA	1,1,2,2-Tetrachloroethane	12	UG/KG	U	U
A02-5796	OS/GP-1(6-7)	A2579601	EPA VOA	1,1,2-Trichloro-1,2,2-trifluoroethane	12	UG/KG	U	U
A02-5796	OS/GP-1(6-7)	A2579601	EPA VOA	1,1,2-Trichloroethane	12	UG/KG	U	U
A02-5796	OS/GP-1(6-7)	A2579601	EPA VOA	1,1-Dichloroethane	12	UG/KG	U	U
A02-5796	OS/GP-1(6-7)	A2579601	EPA VOA	1,1-Dichloroethene	12	UG/KG	U	U
A02-5796	OS/GP-1(6-7)	A2579601	EPA VOA	1,2,4-Trichlorobenzene	12	UG/KG	U	U
A02-5796	OS/GP-1(6-7)	A2579601	EPA VOA	1,2-Dibromo-3-chloropropane	12	UG/KG	U	U
A02-5796	OS/GP-1(6-7)	A2579601	EPA VOA	1,2-Dibromoethane	12	UG/KG	U	U
A02-5796	OS/GP-1(6-7)	A2579601	EPA VOA	1,2-Dichlorobenzene	12	UG/KG	U	U
A02-5796	OS/GP-1(6-7)	A2579601	EPA VOA	1,2-Dichloroethane	12	UG/KG	U	U
A02-5796	OS/GP-1(6-7)	A2579601	EPA VOA	1,2-Dichloropropane	12	UG/KG	U	U
A02-5796	OS/GP-1(6-7)	A2579601	EPA VOA	1,3-Dichlorobenzene	12	UG/KG	U	U
A02-5796	OS/GP-1(6-7)	A2579601	EPA VOA	1,4-Dichlorobenzene	12	UG/KG	U	U
A02-5796	OS/GP-1(6-7)	A2579601	EPA VOA	2-Butanone	12	UG/KG	U	U
A02-5796	OS/GP-1(6-7)	A2579601	EPA VOA	2-Hexanone	12	UG/KG	U	U
A02-5796	OS/GP-1(6-7)	A2579601	EPA VOA	4-Methyl-2-pentanone	12	UG/KG	U	U
A02-5796	OS/GP-1(6-7)	A2579601	EPA VOA	Acetone	12	UG/KG	BJ	U
A02-5796	OS/GP-1(6-7)	A2579601	EPA VOA	Benzene	12	UG/KG	U	U
A02-5796	OS/GP-1(6-7)	A2579601	EPA VOA	Bromodichloromethane	12	UG/KG	U	U
A02-5796	OS/GP-1(6-7)	A2579601	EPA VOA	Bromoform	12	UG/KG	U	U
A02-5796	OS/GP-1(6-7)	A2579601	EPA VOA	Bromomethane	12	UG/KG	U	U
A02-5796	OS/GP-1(6-7)	A2579601	EPA VOA	Carbon Disulfide	12	UG/KG	U	U
A02-5796	OS/GP-1(6-7)	A2579601	EPA VOA	Carbon Tetrachloride	12	UG/KG	U	U
A02-5796	OS/GP-1(6-7)	A2579601	EPA VOA	Chlorobenzene	12	UG/KG	U	U
A02-5796	OS/GP-1(6-7)	A2579601	EPA VOA	Chloroethane	12	UG/KG	U	U
A02-5796	OS/GP-1(6-7)	A2579601	EPA VOA	Chloroform	12	UG/KG	U	U
A02-5796	OS/GP-1(6-7)	A2579601	EPA VOA	Chloromethane	12	UG/KG	U	U
A02-5796	OS/GP-1(6-7)	A2579601	EPA VOA	cis-1,2-Dichloroethene	12	UG/KG	U	U
A02-5796	OS/GP-1(6-7)	A2579601	EPA VOA	cis-1,3-Dichloropropene	12	UG/KG	U	U
A02-5796	OS/GP-1(6-7)	A2579601	EPA VOA	Cyclohexane	12	UG/KG	U	U
A02-5796	OS/GP-1(6-7)	A2579601	EPA VOA	Dibromochloromethane	12	UG/KG	U	U
A02-5796	OS/GP-1(6-7)	A2579601	EPA VOA	Dichlorodifluoromethane	12	UG/KG	U	U
A02-5796	OS/GP-1(6-7)	A2579601	EPA VOA	Ethylbenzene	12	UG/KG	U	U
A02-5796	OS/GP-1(6-7)	A2579601	EPA VOA	Isopropylbenzene	12	UG/KG	U	U
A02-5796	OS/GP-1(6-7)	A2579601	EPA VOA	Methyl acetate	12	UG/KG	U	U
A02-5796	OS/GP-1(6-7)	A2579601	EPA VOA	Methyl tert butyl ether	12	UG/KG	U	U
A02-5796	OS/GP-1(6-7)	A2579601	EPA VOA	Methylcyclohexane	12	UG/KG	U	U
A02-5796	OS/GP-1(6-7)	A2579601	EPA VOA	Methylene chloride	49	UG/KG	B	U
A02-5796	OS/GP-1(6-7)	A2579601	EPA VOA	Styrene	12	UG/KG	U	U

JOBNO	CLIENTID	LABSAMPID	METHOD	PARAMETER	Result	UM	FLAGS	Final_Qualifier
A02-5796	OS/GP-1(6-7)	A2579601	EPA VOA	Tetrachloroethene	12	UG/KG	U	U
A02-5796	OS/GP-1(6-7)	A2579601	EPA VOA	Toluene	12	UG/KG	U	U
A02-5796	OS/GP-1(6-7)	A2579601	EPA VOA	Total Xylenes	12	UG/KG	U	U
A02-5796	OS/GP-1(6-7)	A2579601	EPA VOA	trans-1,2-Dichloroethene	12	UG/KG	U	U
A02-5796	OS/GP-1(6-7)	A2579601	EPA VOA	trans-1,3-Dichloropropene	12	UG/KG	U	U
A02-5796	OS/GP-1(6-7)	A2579601	EPA VOA	Trichloroethene	12	UG/KG	U	U
A02-5796	OS/GP-1(6-7)	A2579601	EPA VOA	Trichlorofluoromethane	12	UG/KG	U	U
A02-5796	OS/GP-1(6-7)	A2579601	EPA VOA	Vinyl chloride	12	UG/KG	U	U
A02-5796	**OS/GP-2(6-7)**	A257**9602**	**90**45	**Leach**able **pH**	8.35	**S.U.**		**J**
A02-5796	OS/GP-2(6-7)	A2579602	EPA VOA	1,1,1-Trichloroethane	13	UG/KG	U	UJ
A02-5796	OS/GP-2(6-7)	A2579602	EPA VOA	1,1,2,2-Tetrachloroethane	13	UG/KG	U	UJ
A02-5796	OS/GP-2(6-7)	A2579602	EPA VOA	1,1,2-Trichloro-1,2,2-trifluoroethane	13	UG/KG	U	UJ
A02-5796	OS/GP-2(6-7)	A2579602	EPA VOA	1,1,2-Trichloroethane	13	UG/KG	U	UJ
A02-5796	OS/GP-2(6-7)	A2579602	EPA VOA	1,1-Dichloroethane	13	UG/KG	U	UJ
A02-5796	OS/GP-2(6-7)	A2579602	EPA VOA	1,1-Dichloroethene	13	UG/KG	U	UJ
A02-5796	OS/GP-2(6-7)	A2579602	EPA VOA	1,2,4-Trichlorobenzene	13	UG/KG	U	UJ
A02-5796	OS/GP-2(6-7)	A2579602	EPA VOA	1,2-Dibromo-3-chloropropane	13	UG/KG	U	UJ
A02-5796	OS/GP-2(6-7)	A2579602	EPA VOA	1,2-Dibromoethane	13	UG/KG	U	UJ
A02-5796	OS/GP-2(6-7)	A2579602	EPA VOA	1,2-Dichlorobenzene	13	UG/KG	U	UJ
A02-5796	OS/GP-2(6-7)	A2579602	EPA VOA	1,2-Dichloroethane	13	UG/KG	U	UJ
A02-5796	OS/GP-2(6-7)	A2579602	EPA VOA	1,2-Dichloropropane	13	UG/KG	U	UJ
A02-5796	OS/GP-2(6-7)	A2579602	EPA VOA	1,3-Dichlorobenzene	13	UG/KG	U	UJ
A02-5796	OS/GP-2(6-7)	A2579602	EPA VOA	1,4-Dichlorobenzene	13	UG/KG	U	UJ
A02-5796	OS/GP-2(6-7)	A2579602	EPA VOA	2-Butanone	20	UG/KG		J
A02-5796	OS/GP-2(6-7)	A2579602	EPA VOA	2-Hexanone	13	UG/KG	U	UJ
A02-5796	OS/GP-2(6-7)	A2579602	EPA VOA	4-Methyl-2-pentanone	13	UG/KG	U	UJ
A02-5796	OS/GP-2(6-7)	A2579602	EPA VOA	Acetone	72	UG/KG	B	J
A02-5796	OS/GP-2(6-7)	A2579602	EPA VOA	Benzene	1	UG/KG	J	J
A02-5796	OS/GP-2(6-7)	A2579602	EPA VOA	Bromodichloromethane	13	UG/KG	U	UJ
A02-5796	OS/GP-2(6-7)	A2579602	EPA VOA	Bromoform	13	UG/KG	U	UJ
A02-5796	OS/GP-2(6-7)	A2579602	EPA VOA	Bromomethane	13	UG/KG	U	UJ
A02-5796	OS/GP-2(6-7)	A2579602	EPA VOA	Carbon Disulfide	2	UG/KG	J	J
A02-5796	OS/GP-2(6-7)	A2579602	EPA VOA	Carbon Tetrachloride	13	UG/KG	U	UJ
A02-5796	OS/GP-2(6-7)	A2579602	EPA VOA	Chlorobenzene	13	UG/KG	U	UJ
A02-5796	OS/GP-2(6-7)	A2579602	EPA VOA	Chloroethane	13	UG/KG	U	UJ
A02-5796	OS/GP-2(6-7)	A2579602	EPA VOA	Chloroform	13	UG/KG	U	UJ
A02-5796	OS/GP-2(6-7)	A2579602	EPA VOA	Chloromethane	13	UG/KG	U	UJ
A02-5796	OS/GP-2(6-7)	A2579602	EPA VOA	cis-1,2-Dichloroethene	13	UG/KG	U	UJ
A02-5796	OS/GP-2(6-7)	A2579602	EPA VOA	cis-1,3-Dichloropropene	13	UG/KG	U	UJ
A02-5796	OS/GP-2(6-7)	A2579602	EPA VOA	Cyclohexane	13	UG/KG	U	UJ
A02-5796	OS/GP-2(6-7)	A2579602	EPA VOA	Dibromochloromethane	13	UG/KG	U	UJ
A02-5796	OS/GP-2(6-7)	A2579602	EPA VOA	Dichlorodifluoromethane	13	UG/KG	U	UJ
A02-5796	OS/GP-2(6-7)	A2579602	EPA VOA	Ethylbenzene	13	UG/KG	U	UJ
A02-5796	OS/GP-2(6-7)	A2579602	EPA VOA	Isopropylbenzene	13	UG/KG	U	UJ

JOBNO	CLIENTID	LABSAMPID	METHOD	PARAMETER	Result	UM	FLAGS	Final_Qualifier
A02-5796	OS/GP-2(6-7)	A2579602	EPA VOA	Methyl acetate	13	UG/KG	U	UJ
A02-5796	OS/GP-2(6-7)	A2579602	EPA VOA	Methyl tert butyl ether	13	UG/KG	U	UJ
A02-5796	OS/GP-2(6-7)	A2579602	EPA VOA	Methylcyclohexane	13	UG/KG	U	UJ
A02-5796	OS/GP-2(6-7)	A2579602	EPA VOA	Methylene chloride	70	UG/KG	B	J
A02-5796	OS/GP-2(6-7)	A2579602	EPA VOA	Styrene	13	UG/KG	U	UJ
A02-5796	OS/GP-2(6-7)	A2579602	EPA VOA	Tetrachloroethene	13	UG/KG	U	UJ
A02-5796	OS/GP-2(6-7)	A2579602	EPA VOA	Total Xylenes	1	UG/KG	J	J
A02-5796	OS/GP-2(6-7)	A2579602	EPA VOA	trans-1,2-Dichloroethene	13	UG/KG	U	UJ
A02-5796	**OS/GP-2(6-7)**	**A2579602**	**EPA VOA**	**trans-1,3-Dichloropropene**	**13**	**UG/KG**	**U**	**UJ**
A02-5796	OS/GP-2(6-7)	A2579602	EPA VOA	Trichloroethene	13	UG/KG	U	UJ
A02-5796	OS/GP-2(6-7)	A2579602	EPA VOA	Trichlorofluoromethane	13	UG/KG	U	UJ
A02-5796	OS/GP-2(6-7)	A2579602	EPA VOA	Vinyl chloride	13	UG/KG	U	UJ
A02-5796	OS/GP-2(6-7) DL	A2579602DL	EPA VOA	Toluene	350	UG/KG	D	D
A02-5796	OS/GP-3(6-7)	A2579603	9045	Leachable pH	7.45	S.U.		J
A02-5796	OS/GP-3(6-7)	A2579603	EPA VOA	1,1,1-Trichloroethane	12	UG/KG	U	U
A02-5796	OS/GP-3(6-7)	A2579603	EPA VOA	1,1,2,2-Tetrachloroethane	12	UG/KG	U	U
A02-5796	OS/GP-3(6-7)	A2579603	EPA VOA	1,1,2-Trichloro-1,2,2-trifluoroethane	12	UG/KG	U	U
A02-5796	OS/GP-3(6-7)	A2579603	EPA VOA	1,1,2-Trichloroethane	12	UG/KG	U	U
A02-5796	OS/GP-3(6-7)	A2579603	EPA VOA	1,1-Dichloroethane	12	UG/KG	U	U
A02-5796	OS/GP-3(6-7)	A2579603	EPA VOA	1,1-Dichloroethene	12	UG/KG	U	U
A02-5796	OS/GP-3(6-7)	A2579603	EPA VOA	1,2,4-Trichlorobenzene	12	UG/KG	U	U
A02-5796	OS/GP-3(6-7)	A2579603	EPA VOA	1,2-Dibromo-3-chloropropane	12	UG/KG	U	U
A02-5796	OS/GP-3(6-7)	A2579603	EPA VOA	1,2-Dibromoethane	12	UG/KG	U	U
A02-5796	OS/GP-3(6-7)	A2579603	EPA VOA	1,2-Dichlorobenzene	12	UG/KG	U	U
A02-5796	OS/GP-3(6-7)	A2579603	EPA VOA	1,2-Dichloroethane	12	UG/KG	U	U
A02-5796	OS/GP-3(6-7)	A2579603	EPA VOA	1,2-Dichloropropane	12	UG/KG	U	U
A02-5796	OS/GP-3(6-7)	A2579603	EPA VOA	1,3-Dichlorobenzene	12	UG/KG	U	U
A02-5796	OS/GP-3(6-7)	A2579603	EPA VOA	1,4-Dichlorobenzene	12	UG/KG	U	U
A02-5796	OS/GP-3(6-7)	A2579603	EPA VOA	2-Butanone	37	UG/KG		
A02-5796	OS/GP-3(6-7)	A2579603	EPA VOA	2-Hexanone	12	UG/KG	U	U
A02-5796	OS/GP-3(6-7)	A2579603	EPA VOA	4-Methyl-2-pentanone	12	UG/KG	U	U
A02-5796	OS/GP-3(6-7)	A2579603	EPA VOA	Acetone	110	UG/KG	B	
A02-5796	OS/GP-3(6-7)	A2579603	EPA VOA	Benzene	2	UG/KG	J	J
A02-5796	OS/GP-3(6-7)	A2579603	EPA VOA	Bromodichloromethane	12	UG/KG	U	U
A02-5796	OS/GP-3(6-7)	A2579603	EPA VOA	Bromoform	12	UG/KG	U	U
A02-5796	OS/GP-3(6-7)	A2579603	EPA VOA	Bromomethane	12	UG/KG	U	U
A02-5796	OS/GP-3(6-7)	A2579603	EPA VOA	Carbon Disulfide	3	UG/KG	J	J
A02-5796	OS/GP-3(6-7)	A2579603	EPA VOA	Carbon Tetrachloride	12	UG/KG	U	U
A02-5796	OS/GP-3(6-7)	A2579603	EPA VOA	Chlorobenzene	12	UG/KG	U	U
A02-5796	OS/GP-3(6-7)	A2579603	EPA VOA	Chloroethane	3	UG/KG	J	J
A02-5796	OS/GP-3(6-7)	A2579603	EPA VOA	Chloroform	12	UG/KG	U	U
A02-5796	OS/GP-3(6-7)	A2579603	EPA VOA	Chloromethane	12	UG/KG	U	U
A02-5796	OS/GP-3(6-7)	A2579603	EPA VOA	cis-1,2-Dichloroethene	12	UG/KG	U	U
A02-5796	OS/GP-3(6-7)	A2579603	EPA VOA	cis-1,3-Dichloropropene	12	UG/KG	U	U

JOBNO	CLIENTID	LABSAMPID	METHOD	PARAMETER	Result	UM	FLAGS	Final_Qualifier
A02-5796	OS/GP-3(6-7)	A2579603	EPA VOA	Cyclohexane	12	UG/KG	U	U
A02-5796	OS/GP-3(6-7)	A2579603	EPA VOA	Dibromochloromethane	12	UG/KG	U	U
A02-5796	OS/GP-3(6-7)	A2579603	EPA VOA	Dichlorodifluoromethane	12	UG/KG	U	U
A02-5796	OS/GP-3(6-7)	A2579603	EPA VOA	Ethylbenzene	8	UG/KG	J	J
A02-5796	OS/GP-3(6-7)	A2579603	EPA VOA	Isopropylbenzene	12	UG/KG	U	U
A02-5796	OS/GP-3(6-7)	A2579603	EPA VOA	Methyl acetate	12	UG/KG	U	U
A02-5796	OS/GP-3(6-7)	A2579603	EPA VOA	Methyl tert butyl ether	12	UG/KG	U	U
A02-5796	OS/GP-3(6-7)	A2579603	EPA VOA	Methylcyclohexane	12	UG/KG	U	U
A02-5796	**OS/GP-3(6-7)**	**A2579603**	**EPA VOA**	**Methylene chloride**	220	**UG**/KG	**B**	
A02-5796	OS/GP-3(6-7)	A2579603	EPA VOA	Styrene	12	UG/KG	U	U
A02-5796	OS/GP-3(6-7)	A2579603	EPA VOA	Tetrachloroethene	12	UG/KG	U	U
A02-5796	OS/GP-3(6-7)	A2579603	EPA VOA	Total Xylenes	44	UG/KG		
A02-5796	OS/GP-3(6-7)	A2579603	EPA VOA	trans-1,2-Dichloroethene	12	UG/KG	U	U
A02-5796	OS/GP-3(6-7)	A2579603	EPA VOA	trans-1,3-Dichloropropene	12	UG/KG	U	U
A02-5796	OS/GP-3(6-7)	A2579603	EPA VOA	Trichloroethene	12	UG/KG	U	U
A02-5796	OS/GP-3(6-7)	A2579603	EPA VOA	Trichlorofluoromethane	12	UG/KG	U	U
A02-5796	OS/GP-3(6-7)	A2579603	EPA VOA	Vinyl chloride	12	UG/KG	U	U
A02-5796	OS/GP-3(6-7) DL	A2579603DL	EPA VOA	Toluene	1000	UG/KG	D	D
A02-5796	OS/GP-5(7-8)	A2579604	9045	Leachable pH	7.17	S.U.		J
A02-5796	OS/GP-5(7-8)	A2579604	EPA VOA	1,1,1-Trichloroethane	14	UG/KG	U	U
A02-5796	OS/GP-5(7-8)	A2579604	EPA VOA	1,1,2,2-Tetrachloroethane	14	UG/KG	U	U
A02-5796	OS/GP-5(7-8)	A2579604	EPA VOA	1,1,2-Trichloro-1,2,2-trifluoroethane	14	UG/KG	U	U
A02-5796	OS/GP-5(7-8)	A2579604	EPA VOA	1,1,2-Trichloroethane	14	UG/KG	U	U
A02-5796	OS/GP-5(7-8)	A2579604	EPA VOA	1,1-Dichloroethane	14	UG/KG	U	U
A02-5796	OS/GP-5(7-8)	A2579604	EPA VOA	1,1-Dichloroethene	14	UG/KG	U	U
A02-5796	OS/GP-5(7-8)	A2579604	EPA VOA	1,2,4-Trichlorobenzene	14	UG/KG	U	U
A02-5796	OS/GP-5(7-8)	A2579604	EPA VOA	1,2-Dibromo-3-chloropropane	14	UG/KG	U	U
A02-5796	OS/GP-5(7-8)	A2579604	EPA VOA	1,2-Dibromoethane	14	UG/KG	U	U
A02-5796	OS/GP-5(7-8)	A2579604	EPA VOA	1,2-Dichlorobenzene	14	UG/KG	U	U
A02-5796	OS/GP-5(7-8)	A2579604	EPA VOA	1,2-Dichloroethane	14	UG/KG	U	U
A02-5796	OS/GP-5(7-8)	A2579604	EPA VOA	1,2-Dichloropropane	14	UG/KG	U	U
A02-5796	OS/GP-5(7-8)	A2579604	EPA VOA	1,3-Dichlorobenzene	14	UG/KG	U	U
A02-5796	OS/GP-5(7-8)	A2579604	EPA VOA	1,4-Dichlorobenzene	14	UG/KG	U	U
A02-5796	OS/GP-5(7-8)	A2579604	EPA VOA	2-Butanone	12	UG/KG	J	J
A02-5796	OS/GP-5(7-8)	A2579604	EPA VOA	2-Hexanone	14	UG/KG	U	U
A02-5796	OS/GP-5(7-8)	A2579604	EPA VOA	4-Methyl-2-pentanone	14	UG/KG	U	U
A02-5796	OS/GP-5(7-8)	A2579604	EPA VOA	Acetone	47	UG/KG	B	
A02-5796	OS/GP-5(7-8)	A2579604	EPA VOA	Benzene	14	UG/KG	U	U
A02-5796	OS/GP-5(7-8)	A2579604	EPA VOA	Bromodichloromethane	14	UG/KG	U	U
A02-5796	OS/GP-5(7-8)	A2579604	EPA VOA	Bromoform	14	UG/KG	U	U
A02-5796	OS/GP-5(7-8)	A2579604	EPA VOA	Bromomethane	14	UG/KG	U	U
A02-5796	OS/GP-5(7-8)	A2579604	EPA VOA	Carbon Disulfide	2	UG/KG	J	J
A02-5796	OS/GP-5(7-8)	A2579604	EPA VOA	Carbon Tetrachloride	14	UG/KG	U	U
A02-5796	OS/GP-5(7-8)	A2579604	EPA VOA	Chlorobenzene	14	UG/KG	U	U

JOBNO	CLIENTID	LABSAMPID	METHOD	PARAMETER	Result	UM	FLAGS	Final_Qualifier
A02-5796	OS/GP-5(7-8)	A2579604	EPA VOA	Chloroethane	14	UG/KG	U	U
A02-5796	OS/GP-5(7-8)	A2579604	EPA VOA	Chloroform	14	UG/KG	U	U
A02-5796	OS/GP-5(7-8)	A2579604	EPA VOA	Chloromethane	14	UG/KG	U	U
A02-5796	OS/GP-5(7-8)	A2579604	EPA VOA	cis-1,2-Dichloroethene	14	UG/KG	U	U
A02-5796	OS/GP-5(7-8)	A2579604	EPA VOA	cis-1,3-Dichloropropene	14	UG/KG	U	U
A02-5796	OS/GP-5(7-8)	A2579604	EPA VOA	Cyclohexane	14	UG/KG	U	U
A02-5796	OS/GP-5(7-8)	A2579604	EPA VOA	Dibromochloromethane	14	UG/KG	U	U
A02-5796	OS/GP-5(7-8)	A2579604	EPA VOA	Dichlorodifluoromethane	14	UG/KG	U	U
A02-5796	OS/GP-5(7-8)	A2579604	EPA VOA	Ethylbenzene	14	UG/KG	U	U
A02-5796	OS/GP-5(7-8)	A2579604	EPA VOA	Isopropylbenzene	14	UG/KG	U	U
A02-5796	OS/GP-5(7-8)	A2579604	EPA VOA	Methyl acetate	14	UG/KG	U	U
A02-5796	OS/GP-5(7-8)	A2579604	EPA VOA	Methyl tert butyl ether	14	UG/KG	U	U
A02-5796	OS/GP-5(7-8)	A2579604	EPA VOA	Methylcyclohexane	14	UG/KG	U	U
A02-5796	OS/GP-5(7-8)	A2579604	EPA VOA	Methylene chloride	99	UG/KG	B	
A02-5796	OS/GP-5(7-8)	A2579604	EPA VOA	Styrene	14	UG/KG	U	U
A02-5796	OS/GP-5(7-8)	A2579604	EPA VOA	Tetrachloroethene	14	UG/KG	U	U
A02-5796	OS/GP-5(7-8)	A2579604	EPA VOA	Toluene	4	UG/KG	J	J
A02-5796	OS/GP-5(7-8)	A2579604	EPA VOA	Total Xylenes	14	UG/KG	U	U
A02-5796	OS/GP-5(7-8)	A2579604	EPA VOA	trans-1,2-Dichloroethene	14	UG/KG	U	U
A02-5796	OS/GP-5(7-8)	A2579604	EPA VOA	trans-1,3-Dichloropropene	14	UG/KG	U	U
A02-5796	OS/GP-5(7-8)	A2579604	EPA VOA	Trichloroethene	14	UG/KG	U	U
A02-5796	OS/GP-5(7-8)	A2579604	EPA VOA	Trichlorofluoromethane	14	UG/KG	U	U
A02-5796	OS/GP-5(7-8)	A2579604	EPA VOA	Vinyl chloride	14	UG/KG	U	U
A02-5796	OS/GP-6(6-7)	A2579605	9045	Leachable pH	6.97	S.U.		J
A02-5796	OS/GP-6(6-7)	A2579605	EPA VOA	1,1,1-Trichloroethane	15	UG/KG	U	U
A02-5796	OS/GP-6(6-7)	A2579605	EPA VOA	1,1,2,2-Tetrachloroethane	15	UG/KG	U	U
A02-5796	OS/GP-6(6-7)	A2579605	EPA VOA	1,1,2-Trichloro-1,2,2-trifluoroethane	15	UG/KG	U	U
A02-5796	OS/GP-6(6-7)	A2579605	EPA VOA	1,1,2-Trichloroethane	15	UG/KG	U	U
A02-5796	OS/GP-6(6-7)	A2579605	EPA VOA	1,1-Dichloroethane	15	UG/KG	U	U
A02-5796	OS/GP-6(6-7)	A2579605	EPA VOA	1,1-Dichloroethene	15	UG/KG	U	U
A02-5796	OS/GP-6(6-7)	A2579605	EPA VOA	1,2,4-Trichlorobenzene	15	UG/KG	U	U
A02-5796	OS/GP-6(6-7)	A2579605	EPA VOA	1,2-Dibromo-3-chloropropane	15	UG/KG	U	U
A02-5796	OS/GP-6(6-7)	A2579605	EPA VOA	1,2-Dibromoethane	15	UG/KG	U	U
A02-5796	OS/GP-6(6-7)	A2579605	EPA VOA	1,2-Dichlorobenzene	15	UG/KG	U	U
A02-5796	OS/GP-6(6-7)	A2579605	EPA VOA	1,2-Dichloroethane	15	UG/KG	U	U
A02-5796	OS/GP-6(6-7)	A2579605	EPA VOA	1,2-Dichloropropane	15	UG/KG	U	U
A02-5796	OS/GP-6(6-7)	A2579605	EPA VOA	1,3-Dichlorobenzene	15	UG/KG	U	U
A02-5796	OS/GP-6(6-7)	A2579605	EPA VOA	1,4-Dichlorobenzene	15	UG/KG	U	U
A02-5796	OS/GP-6(6-7)	A2579605	EPA VOA	2-Butanone	6	UG/KG	J	J
A02-5796	OS/GP-6(6-7)	A2579605	EPA VOA	2-Hexanone	15	UG/KG	U	U
A02-5796	OS/GP-6(6-7)	A2579605	EPA VOA	4-Methyl-2-pentanone	15	UG/KG	U	U
A02-5796	OS/GP-6(6-7)	A2579605	EPA VOA	Acetone	22	UG/KG	B	
A02-5796	OS/GP-6(6-7)	A2579605	EPA VOA	Benzene	15	UG/KG	U	U
A02-5796	OS/GP-6(6-7)	A2579605	EPA VOA	Bromodichloromethane	15	UG/KG	U	U

JOBNO	CLIENTID	LABSAMPID	METHOD	PARAMETER	Result	UM	FLAGS	Final_Qualifier
A02-5796	OS/GP-6(6-7)	A2579605	EPA VOA	Bromoform	15	UG/KG	U	U
A02-5796	OS/GP-6(6-7)	A2579605	EPA VOA	Bromomethane	15	UG/KG	U	U
A02-5796	OS/GP-6(6-7)	A2579605	EPA VOA	Carbon Disulfide	2	UG/KG	J	J
A02-5796	OS/GP-6(6-7)	A2579605	EPA VOA	Carbon Tetrachloride	15	UG/KG	U	U
A02-5796	OS/GP-6(6-7)	A2579605	EPA VOA	Chlorobenzene	15	UG/KG	U	U
A02-5796	OS/GP-6(6-7)	A2579605	EPA VOA	Chloroethane	15	UG/KG	U	U
A02-5796	OS/GP-6(6-7)	A2579605	EPA VOA	Chloroform	15	UG/KG	U	U
A02-5796	OS/GP-6(6-7)	A2579605	EPA VOA	Chloromethane	15	UG/KG	U	U
A02-5796	OS/GP-6(6-7)	A2579605	EPA VOA	cis-1,2-Dichloroethene	15	UG/KG	U	U
A02-5796	OS/GP-6(6-7)	A2579605	EPA VOA	cis-1,3-Dichloropropene	15	UG/KG	U	U
A02-5796	OS/GP-6(6-7)	A2579605	EPA VOA	Cyclohexane	15	UG/KG	U	U
A02-5796	OS/GP-6(6-7)	A2579605	EPA VOA	Dibromochloromethane	15	UG/KG	U	U
A02-5796	OS/GP-6(6-7)	A2579605	EPA VOA	Dichlorodifluoromethane	15	UG/KG	U	U
A02-5796	OS/GP-6(6-7)	A2579605	EPA VOA	Ethylbenzene	15	UG/KG	U	U
A02-5796	OS/GP-6(6-7)	A2579605	EPA VOA	Isopropylbenzene	15	UG/KG	U	U
A02-5796	OS/GP-6(6-7)	A2579605	EPA VOA	Methyl acetate	15	UG/KG	U	U
A02-5796	OS/GP-6(6-7)	A2579605	EPA VOA	Methyl tert butyl ether	15	UG/KG	U	U
A02-5796	OS/GP-6(6-7)	A2579605	EPA VOA	Methylcyclohexane	15	UG/KG	U	U
A02-5796	OS/GP-6(6-7)	A2579605	EPA VOA	Methylene chloride	220	UG/KG	B	
A02-5796	OS/GP-6(6-7)	A2579605	EPA VOA	Styrene	15	UG/KG	U	U
A02-5796	OS/GP-6(6-7)	A2579605	EPA VOA	Tetrachloroethene	15	UG/KG	U	U
A02-5796	OS/GP-6(6-7)	A2579605	EPA VOA	Toluene	2	UG/KG	J	J
A02-5796	OS/GP-6(6-7)	A2579605	EPA VOA	Total Xylenes	15	UG/KG	U	U
A02-5796	OS/GP-6(6-7)	A2579605	EPA VOA	trans-1,2-Dichloroethene	15	UG/KG	U	U
A02-5796	OS/GP-6(6-7)	A2579605	EPA VOA	trans-1,3-Dichloropropene	15	UG/KG	U	U
A02-5796	OS/GP-6(6-7)	A2579605	EPA VOA	Trichloroethene	15	UG/KG	U	U
A02-5796	OS/GP-6(6-7)	A2579605	EPA VOA	Trichlorofluoromethane	15	UG/KG	U	U
A02-5796	OS/GP-6(6-7)	A2579605	EPA VOA	Vinyl chloride	15	UG/KG	U	U
A02-5796	OS/GP-7(6-7)	A2579606	9045	Leachable pH	7.42	S.U.		J
A02-5796	OS/GP-7(6-7)	A2579606	EPA VOA	1,1,1-Trichloroethane	11	UG/KG	U	U
A02-5796	OS/GP-7(6-7)	A2579606	EPA VOA	1,1,2,2-Tetrachloroethane	11	UG/KG	U	U
A02-5796	OS/GP-7(6-7)	A2579606	EPA VOA	1,1,2-Trichloro-1,2,2-trifluoroethane	11	UG/KG	U	U
A02-5796	OS/GP-7(6-7)	A2579606	EPA VOA	1,1,2-Trichloroethane	11	UG/KG	U	U
A02-5796	OS/GP-7(6-7)	A2579606	EPA VOA	1,1-Dichloroethane	11	UG/KG	U	U
A02-5796	OS/GP-7(6-7)	A2579606	EPA VOA	1,1-Dichloroethene	11	UG/KG	U	U
A02-5796	OS/GP-7(6-7)	A2579606	EPA VOA	1,2,4-Trichlorobenzene	11	UG/KG	U	U
A02-5796	OS/GP-7(6-7)	A2579606	EPA VOA	1,2-Dibromo-3-chloropropane	11	UG/KG	U	U
A02-5796	OS/GP-7(6-7)	A2579606	EPA VOA	1,2-Dibromoethane	11	UG/KG	U	U
A02-5796	OS/GP-7(6-7)	A2579606	EPA VOA	1,2-Dichlorobenzene	11	UG/KG	U	U
A02-5796	OS/GP-7(6-7)	A2579606	EPA VOA	1,2-Dichloroethane	11	UG/KG	U	U
A02-5796	OS/GP-7(6-7)	A2579606	EPA VOA	1,2-Dichloropropane	11	UG/KG	U	U
A02-5796	OS/GP-7(6-7)	A2579606	EPA VOA	1,3-Dichlorobenzene	11	UG/KG	U	U
A02-5796	OS/GP-7(6-7)	A2579606	EPA VOA	1,4-Dichlorobenzene	11	UG/KG	U	U
A02-5796	OS/GP-7(6-7)	A2579606	EPA VOA	2-Butanone	11	UG/KG	U	U

JOBNO	CLIENTID	LABSAMPID	METHOD	PARAMETER	Result	UM	FLAGS	Final_Qualifier
A02-5796	OS/GP-7(6-7)	A2579606	EPA VOA	2-Hexanone	11	UG/KG	U	U
A02-5796	OS/GP-7(6-7)	A2579606	EPA VOA	4-Methyl-2-pentanone	11	UG/KG	U	U
A02-5796	OS/GP-7(6-7)	A2579606	EPA VOA	Acetone	11	UG/KG	BJ	U
A02-5796	OS/GP-7(6-7)	A2579606	EPA VOA	Benzene	11	UG/KG	U	U
A02-5796	OS/GP-7(6-7)	A2579606	EPA VOA	Bromodichloromethane	11	UG/KG	U	U
A02-5796	OS/GP-7(6-7)	A2579606	EPA VOA	Bromoform	11	UG/KG	U	U
A02-5796	OS/GP-7(6-7)	A2579606	EPA VOA	Bromomethane	11	UG/KG	U	U
A02-5796	OS/GP-7(6-7)	A2579606	EPA VOA	Carbon Disulfide	11	UG/KG	U	U
A02-5796	**OS/GP-7(6-7)**	**A2579606**	**EPA VOA**	**Carbon Tetrachloride**	**11**	**UG/KG**	**U**	**U**
A02-5796	OS/GP-7(6-7)	A2579606	EPA VOA	Chlorobenzene	11	UG/KG	U	U
A02-5796	OS/GP-7(6-7)	A2579606	EPA VOA	Chloroethane	11	UG/KG	U	U
A02-5796	OS/GP-7(6-7)	A2579606	EPA VOA	Chloroform	11	UG/KG	U	U
A02-5796	OS/GP-7(6-7)	A2579606	EPA VOA	Chloromethane	11	UG/KG	U	U
A02-5796	OS/GP-7(6-7)	A2579606	EPA VOA	cis-1,2-Dichloroethene	11	UG/KG	U	U
A02-5796	OS/GP-7(6-7)	A2579606	EPA VOA	cis-1,3-Dichloropropene	11	UG/KG	U	U
A02-5796	OS/GP-7(6-7)	A2579606	EPA VOA	Cyclohexane	11	UG/KG	U	U
A02-5796	OS/GP-7(6-7)	A2579606	EPA VOA	Dibromochloromethane	11	UG/KG	U	U
A02-5796	OS/GP-7(6-7)	A2579606	EPA VOA	Dichlorodifluoromethane	11	UG/KG	U	U
A02-5796	OS/GP-7(6-7)	A2579606	EPA VOA	Ethylbenzene	11	UG/KG	U	U
A02-5796	OS/GP-7(6-7)	A2579606	EPA VOA	Isopropylbenzene	11	UG/KG	U	U
A02-5796	OS/GP-7(6-7)	A2579606	EPA VOA	Methyl acetate	11	UG/KG	U	U
A02-5796	OS/GP-7(6-7)	A2579606	EPA VOA	Methyl tert butyl ether	11	UG/KG	U	U
A02-5796	OS/GP-7(6-7)	A2579606	EPA VOA	Methylcyclohexane	11	UG/KG	U	U
A02-5796	OS/GP-7(6-7)	A2579606	EPA VOA	Methylene chloride	30	UG/KG	B	B
A02-5796	OS/GP-7(6-7)	A2579606	EPA VOA	Styrene	11	UG/KG	U	U
A02-5796	OS/GP-7(6-7)	A2579606	EPA VOA	Tetrachloroethene	11	UG/KG	U	U
A02-5796	OS/GP-7(6-7)	A2579606	EPA VOA	Toluene	11	UG/KG	U	U
A02-5796	OS/GP-7(6-7)	A2579606	EPA VOA	Total Xylenes	11	UG/KG	U	U
A02-5796	OS/GP-7(6-7)	A2579606	EPA VOA	trans-1,2-Dichloroethene	11	UG/KG	U	U
A02-5796	OS/GP-7(6-7)	A2579606	EPA VOA	trans-1,3-Dichloropropene	11	UG/KG	U	U
A02-5796	OS/GP-7(6-7)	A2579606	EPA VOA	Trichloroethene	11	UG/KG	U	U
A02-5796	OS/GP-7(6-7)	A2579606	EPA VOA	Trichlorofluoromethane	11	UG/KG	U	U
A02-5796	OS/GP-7(6-7)	A2579606	EPA VOA	Vinyl chloride	11	UG/KG	U	U
A02-5796	OS/GP-8(7-8)	A2579607	9045	Leachable pH	7.34	S.U.		J
A02-5796	OS/GP-8(7-8)	A2579607	EPA VOA	1,1,1-Trichloroethane	17	UG/KG	U	U
A02-5796	OS/GP-8(7-8)	A2579607	EPA VOA	1,1,2,2-Tetrachloroethane	17	UG/KG	U	U
A02-5796	OS/GP-8(7-8)	A2579607	EPA VOA	1,1,2-Trichloro-1,2,2-trifluoroethane	17	UG/KG	U	U
A02-5796	OS/GP-8(7-8)	A2579607	EPA VOA	1,1,2-Trichloroethane	17	UG/KG	U	U
A02-5796	OS/GP-8(7-8)	A2579607	EPA VOA	1,1-Dichloroethane	17	UG/KG	U	U
A02-5796	OS/GP-8(7-8)	A2579607	EPA VOA	1,1-Dichloroethene	17	UG/KG	U	U
A02-5796	OS/GP-8(7-8)	A2579607	EPA VOA	1,2,4-Trichlorobenzene	17	UG/KG	U	U
A02-5796	OS/GP-8(7-8)	A2579607	EPA VOA	1,2-Dibromo-3-chloropropane	17	UG/KG	U	U
A02-5796	OS/GP-8(7-8)	A2579607	EPA VOA	1,2-Dibromoethane	17	UG/KG	U	U
A02-5796	OS/GP-8(7-8)	A2579607	EPA VOA	1,2-Dichlorobenzene	17	UG/KG	U	U

JOBNO	CLIENTID	LABSAMPID	METHOD	PARAMETER	Result	UM	FLAGS	Final_Qualifier
A02-5796	OS/GP-8(7-8)	A2579607	EPA VOA	1,2-Dichloroethane	17	UG/KG	U	U
A02-5796	OS/GP-8(7-8)	A2579607	EPA VOA	1,2-Dichloropropane	17	UG/KG	U	U
A02-5796	OS/GP-8(7-8)	A2579607	EPA VOA	1,3-Dichlorobenzene	17	UG/KG	U	U
A02-5796	OS/GP-8(7-8)	A2579607	EPA VOA	1,4-Dichlorobenzene	17	UG/KG	U	U
A02-5796	OS/GP-8(7-8)	A2579607	EPA VOA	2-Butanone	17	UG/KG	U	U
A02-5796	OS/GP-8(7-8)	A2579607	EPA VOA	2-Hexanone	17	UG/KG	U	U
A02-5796	OS/GP-8(7-8)	A2579607	EPA VOA	4-Methyl-2-pentanone	17	UG/KG	U	U
A02-5796	OS/GP-8(7-8)	A2579607	EPA VOA	Acetone	17	UG/KG	BJ	U
A02-5796	OS/GP-8(7-8)	A2579607	EPA VOA	Benzene	17	UG/KG	U	U
A02-5796	OS/GP-8(7-8)	A2579607	EPA VOA	Bromodichloromethane	17	UG/KG	U	U
A02-5796	OS/GP-8(7-8)	A2579607	EPA VOA	Bromoform	17	UG/KG	U	U
A02-5796	OS/GP-8(7-8)	A2579607	EPA VOA	Bromomethane	17	UG/KG	U	U
A02-5796	OS/GP-8(7-8)	A2579607	EPA VOA	Carbon Disulfide	17	UG/KG	U	U
A02-5796	OS/GP-8(7-8)	A2579607	EPA VOA	Carbon Tetrachloride	17	UG/KG	U	U
A02-5796	OS/GP-8(7-8)	A2579607	EPA VOA	Chlorobenzene	17	UG/KG	U	U
A02-5796	OS/GP-8(7-8)	A2579607	EPA VOA	Chloroethane	17	UG/KG	U	U
A02-5796	OS/GP-8(7-8)	A2579607	EPA VOA	Chloroform	17	UG/KG	U	U
A02-5796	OS/GP-8(7-8)	A2579607	EPA VOA	Chloromethane	17	UG/KG	U	U
A02-5796	OS/GP-8(7-8)	A2579607	EPA VOA	cis-1,2-Dichloroethene	17	UG/KG	U	U
A02-5796	OS/GP-8(7-8)	A2579607	EPA VOA	cis-1,3-Dichloropropene	17	UG/KG	U	U
A02-5796	OS/GP-8(7-8)	A2579607	EPA VOA	Cyclohexane	17	UG/KG	U	U
A02-5796	OS/GP-8(7-8)	A2579607	EPA VOA	Dibromochloromethane	17	UG/KG	U	U
A02-5796	OS/GP-8(7-8)	A2579607	EPA VOA	Dichlorodifluoromethane	17	UG/KG	U	U
A02-5796	OS/GP-8(7-8)	A2579607	EPA VOA	Ethylbenzene	17	UG/KG	U	U
A02-5796	OS/GP-8(7-8)	A2579607	EPA VOA	Isopropylbenzene	17	UG/KG	U	U
A02-5796	OS/GP-8(7-8)	A2579607	EPA VOA	Methyl acetate	17	UG/KG	U	U
A02-5796	OS/GP-8(7-8)	A2579607	EPA VOA	Methyl tert butyl ether	17	UG/KG	U	U
A02-5796	OS/GP-8(7-8)	A2579607	EPA VOA	Methylcyclohexane	17	UG/KG	U	U
A02-5796	OS/GP-8(7-8)	A2579607	EPA VOA	Methylene chloride	72	UG/KG	B	U
A02-5796	OS/GP-8(7-8)	A2579607	EPA VOA	Styrene	17	UG/KG	U	U
A02-5796	OS/GP-8(7-8)	A2579607	EPA VOA	Tetrachloroethene	17	UG/KG	U	U
A02-5796	OS/GP-8(7-8)	A2579607	EPA VOA	Toluene	17	UG/KG	U	U
A02-5796	OS/GP-8(7-8)	A2579607	EPA VOA	Total Xylenes	17	UG/KG	U	U
A02-5796	OS/GP-8(7-8)	A2579607	EPA VOA	trans-1,2-Dichloroethene	17	UG/KG	U	U
A02-5796	OS/GP-8(7-8)	A2579607	EPA VOA	trans-1,3-Dichloropropene	17	UG/KG	U	U
A02-5796	OS/GP-8(7-8)	A2579607	EPA VOA	Trichloroethene	17	UG/KG	U	U
A02-5796	OS/GP-8(7-8)	A2579607	EPA VOA	Trichlorofluoromethane	17	UG/KG	U	U
A02-5796	OS/GP-8(7-8)	A2579607	EPA VOA	Vinyl chloride	17	UG/KG	U	U
A02-5796	OS/GP-1(GW)	A2579608	EPA VOA	1,1,1-Trichloroethane	10	UG/L	U	U
A02-5796	OS/GP-1(GW)	A2579608	EPA VOA	1,1,2,2-Tetrachloroethane	10	UG/L	U	U
A02-5796	OS/GP-1(GW)	A2579608	EPA VOA	1,1,2-Trichloro-1,2,2-trifluoroethane	10	UG/L	U	U
A02-5796	OS/GP-1(GW)	A2579608	EPA VOA	1,1,2-Trichloroethane	10	UG/L	U	U
A02-5796	OS/GP-1(GW)	A2579608	EPA VOA	1,1-Dichloroethane	10	UG/L	U	U
A02-5796	OS/GP-1(GW)	A2579608	EPA VOA	1,1-Dichloroethene	10	UG/L	U	U

JOBNO	CLIENTID	LABSAMPID	METHOD	PARAMETER	Result	UM	FLAGS	Final_Qualifier
A02-5796	OS/GP-1(GW)	A2579608	EPA VOA	1,2,4-Trichlorobenzene	10	UG/L	U	U
A02-5796	OS/GP-1(GW)	A2579608	EPA VOA	1,2-Dibromo-3-chloropropane	10	UG/L	U	U
A02-5796	OS/GP-1(GW)	A2579608	EPA VOA	1,2-Dibromoethane	10	UG/L	U	U
A02-5796	OS/GP-1(GW)	A2579608	EPA VOA	1,2-Dichlorobenzene	10	UG/L	U	U
A02-5796	OS/GP-1(GW)	A2579608	EPA VOA	1,2-Dichloroethane	10	UG/L	U	U
A02-5796	OS/GP-1(GW)	A2579608	EPA VOA	1,2-Dichloropropane	10	UG/L	U	U
A02-5796	OS/GP-1(GW)	A2579608	EPA VOA	1,3-Dichlorobenzene	10	UG/L	U	U
A02-5796	OS/GP-1(GW)	A2579608	EPA VOA	1,4-Dichlorobenzene	10	UG/L	U	U
A02-5796	OS/GP-1(GW)	A2579608	EPA VOA	2-Butanone	10	UG/L	U	U
A02-5796	OS/GP-1(GW)	A2579608	EPA VOA	2-Hexanone	10	UG/L	U	U
A02-5796	OS/GP-1(GW)	A2579608	EPA VOA	4-Methyl-2-pentanone	10	UG/L	U	U
A02-5796	OS/GP-1(GW)	A2579608	EPA VOA	Acetone	10	UG/L	J	U
A02-5796	OS/GP-1(GW)	A2579608	EPA VOA	Benzene	10	UG/L	U	U
A02-5796	OS/GP-1(GW)	A2579608	EPA VOA	Bromodichloromethane	10	UG/L	U	U
A02-5796	OS/GP-1(GW)	A2579608	EPA VOA	Bromoform	10	UG/L	U	U
A02-5796	OS/GP-1(GW)	A2579608	EPA VOA	Bromomethane	10	UG/L	U	U
A02-5796	OS/GP-1(GW)	A2579608	EPA VOA	Carbon Disulfide	10	UG/L	U	U
A02-5796	OS/GP-1(GW)	A2579608	EPA VOA	Carbon Tetrachloride	10	UG/L	U	U
A02-5796	OS/GP-1(GW)	A2579608	EPA VOA	Chlorobenzene	10	UG/L	U	U
A02-5796	OS/GP-1(GW)	A2579608	EPA VOA	Chloroethane	10	UG/L	U	U
A02-5796	OS/GP-1(GW)	A2579608	EPA VOA	Chloroform	10	UG/L	U	U
A02-5796	OS/GP-1(GW)	A2579608	EPA VOA	Chloromethane	10	UG/L	U	U
A02-5796	OS/GP-1(GW)	A2579608	EPA VOA	cis-1,2-Dichloroethene	10	UG/L	U	U
A02-5796	OS/GP-1(GW)	A2579608	EPA VOA	cis-1,3-Dichloropropene	10	UG/L	U	U
A02-5796	OS/GP-1(GW)	A2579608	EPA VOA	Cyclohexane	10	UG/L	U	U
A02-5796	OS/GP-1(GW)	A2579608	EPA VOA	Dibromochloromethane	10	UG/L	U	U
A02-5796	OS/GP-1(GW)	A2579608	EPA VOA	Dichlorodifluoromethane	10	UG/L	U	U
A02-5796	OS/GP-1(GW)	A2579608	EPA VOA	Ethylbenzene	10	UG/L	U	U
A02-5796	OS/GP-1(GW)	A2579608	EPA VOA	Isopropylbenzene	10	UG/L	U	U
A02-5796	OS/GP-1(GW)	A2579608	EPA VOA	Methyl acetate	10	UG/L	U	U
A02-5796	OS/GP-1(GW)	A2579608	EPA VOA	Methyl tert butyl ether	10	UG/L	U	U
A02-5796	OS/GP-1(GW)	A2579608	EPA VOA	Methylcyclohexane	10	UG/L	U	U
A02-5796	OS/GP-1(GW)	A2579608	EPA VOA	Methylene chloride	10	UG/L	BJ	U
A02-5796	OS/GP-1(GW)	A2579608	EPA VOA	Styrene	10	UG/L	U	U
A02-5796	OS/GP-1(GW)	A2579608	EPA VOA	Tetrachloroethene	10	UG/L	U	U
A02-5796	OS/GP-1(GW)	A2579608	EPA VOA	Toluene	34	UG/L		
A02-5796	OS/GP-1(GW)	A2579608	EPA VOA	Total Xylenes	10	UG/L	U	U
A02-5796	OS/GP-1(GW)	A2579608	EPA VOA	trans-1,2-Dichloroethene	10	UG/L	U	U
A02-5796	OS/GP-1(GW)	A2579608	EPA VOA	trans-1,3-Dichloropropene	10	UG/L	U	U
A02-5796	OS/GP-1(GW)	A2579608	EPA VOA	Trichloroethene	10	UG/L	U	U
A02-5796	OS/GP-1(GW)	A2579608	EPA VOA	Trichlorofluoromethane	10	UG/L	U	U
A02-5796	OS/GP-1(GW)	A2579608	EPA VOA	Vinyl chloride	10	UG/L	U	U
A02-5796	OS/GP-2(GW)	A2579609	EPA VOA	1,1,1-Trichloroethane	5000	UG/L	U	U
A02-5796	OS/GP-2(GW)	A2579609	EPA VOA	1,1,2,2-Tetrachloroethane	5000	UG/L	U	U

JOBNO	CLIENTID	LABSAMPID	METHOD	PARAMETER	Result	UM	FLAGS	Final_Qualifier
A02-5796	OS/GP-2(GW)	A2579609	EPA VOA	1,1,2-Trichloro-1,2,2-trifluoroethane	5000	UG/L	U	U
A02-5796	OS/GP-2(GW)	A2579609	EPA VOA	1,1,2-Trichloroethane	5000	UG/L	U	U
A02-5796	OS/GP-2(GW)	A2579609	EPA VOA	1,1-Dichloroethane	5000	UG/L	U	U
A02-5796	OS/GP-2(GW)	A2579609	EPA VOA	1,1-Dichloroethene	5000	UG/L	U	U
A02-5796	OS/GP-2(GW)	A2579609	EPA VOA	1,2,4-Trichlorobenzene	5000	UG/L	U	U
A02-5796	OS/GP-2(GW)	A2579609	EPA VOA	1,2-Dibromo-3-chloropropane	5000	UG/L	U	U
A02-5796	OS/GP-2(GW)	A2579609	EPA VOA	1,2-Dibromoethane	5000	UG/L	U	U
A02-5796	OS/GP-2(GW)	A2579609	EPA VOA	1,2-Dichlorobenzene	5000	UG/L	U	U
A02-5796	OS/GP-2(GW)	A2579609	EPA VOA	1,2-Dichloroethane	5000	UG/L	U	U
A02-5796	OS/GP-2(GW)	A2579609	EPA VOA	1,2-Dichloropropane	5000	UG/L	U	U
A02-5796	OS/GP-2(GW)	A2579609	EPA VOA	1,3-Dichlorobenzene	5000	UG/L	U	U
A02-5796	OS/GP-2(GW)	A2579609	EPA VOA	1,4-Dichlorobenzene	5000	UG/L	U	U
A02-5796	OS/GP-2(GW)	A2579609	EPA VOA	2-Butanone	5000	UG/L	U	U
A02-5796	OS/GP-2(GW)	A2579609	EPA VOA	2-Hexanone	5000	UG/L	U	U
A02-5796	OS/GP-2(GW)	A2579609	EPA VOA	4-Methyl-2-pentanone	5000	UG/L	U	U
A02-5796	OS/GP-2(GW)	A2579609	EPA VOA	Acetone	5000	UG/L	BJ	U
A02-5796	OS/GP-2(GW)	A2579609	EPA VOA	Benzene	5000	UG/L	U	U
A02-5796	OS/GP-2(GW)	A2579609	EPA VOA	Bromodichloromethane	5000	UG/L	U	U
A02-5796	OS/GP-2(GW)	A2579609	EPA VOA	Bromoform	5000	UG/L	U	U
A02-5796	OS/GP-2(GW)	A2579609	EPA VOA	Bromomethane	5000	UG/L	U	U
A02-5796	OS/GP-2(GW)	A2579609	EPA VOA	Carbon Disulfide	5000	UG/L	U	U
A02-5796	OS/GP-2(GW)	A2579609	EPA VOA	Carbon Tetrachloride	5000	UG/L	U	U
A02-5796	OS/GP-2(GW)	A2579609	EPA VOA	Chlorobenzene	5000	UG/L	U	U
A02-5796	OS/GP-2(GW)	A2579609	EPA VOA	Chloroethane	5000	UG/L	U	U
A02-5796	OS/GP-2(GW)	A2579609	EPA VOA	Chloroform	5000	UG/L	U	U
A02-5796	OS/GP-2(GW)	A2579609	EPA VOA	Chloromethane	5000	UG/L	U	U
A02-5796	OS/GP-2(GW)	A2579609	EPA VOA	cis-1,2-Dichloroethene	5000	UG/L	U	U
A02-5796	OS/GP-2(GW)	A2579609	EPA VOA	cis-1,3-Dichloropropene	5000	UG/L	U	U
A02-5796	OS/GP-2(GW)	A2579609	EPA VOA	Cyclohexane	5000	UG/L	U	U
A02-5796	OS/GP-2(GW)	A2579609	EPA VOA	Dibromochloromethane	5000	UG/L	U	U
A02-5796	OS/GP-2(GW)	A2579609	EPA VOA	Dichlorodifluoromethane	5000	UG/L	U	U
A02-5796	OS/GP-2(GW)	A2579609	EPA VOA	Ethylbenzene	5000	UG/L	U	U
A02-5796	OS/GP-2(GW)	A2579609	EPA VOA	Isopropylbenzene	5000	UG/L	U	U
A02-5796	OS/GP-2(GW)	A2579609	EPA VOA	Methyl acetate	5000	UG/L	U	U
A02-5796	OS/GP-2(GW)	A2579609	EPA VOA	Methyl tert butyl ether	5000	UG/L	U	U
A02-5796	OS/GP-2(GW)	A2579609	EPA VOA	Methylcyclohexane	5000	UG/L	U	U
A02-5796	OS/GP-2(GW)	A2579609	EPA VOA	Methylene chloride	5000	UG/L	BJ	U
A02-5796	OS/GP-2(GW)	A2579609	EPA VOA	Styrene	5000	UG/L	U	U
A02-5796	OS/GP-2(GW)	A2579609	EPA VOA	Tetrachloroethene	5000	UG/L	U	U
A02-5796	OS/GP-2(GW)	A2579609	EPA VOA	Total Xylenes	5000	UG/L	U	U
A02-5796	OS/GP-2(GW)	A2579609	EPA VOA	trans-1,2-Dichloroethene	5000	UG/L	U	U
A02-5796	OS/GP-2(GW)	A2579609	EPA VOA	trans-1,3-Dichloropropene	5000	UG/L	U	U
A02-5796	OS/GP-2(GW)	A2579609	EPA VOA	Trichloroethene	5000	UG/L	U	U
A02-5796	OS/GP-2(GW)	A2579609	EPA VOA	Trichlorofluoromethane	5000	UG/L	U	U

JOBNO	CLIENTID	LABSAMPID	METHOD	PARAMETER	Result	UM	FLAGS	Final_Qualifier
A02-5796	OS/GP-2(GW)	A2579609	EPA VOA	Vinyl chloride	5000	UG/L	U	U
A02-5796	OS/GP-2(GW) DL	A2579609DL	EPA VOA	Toluene	130000	UG/L	BD	D
A02-5796	OS/GP-3(GW)	A2579610	EPA VOA	1,1,1-Trichloroethane	5000	UG/L	U	U
A02-5796	OS/GP-3(GW)	A2579610	EPA VOA	1,1,2,2-Tetrachloroethane	5000	UG/L	U	U
A02-5796	OS/GP-3(GW)	A2579610	EPA VOA	1,1,2-Trichloro-1,2,2-trifluoroethane	5000	UG/L	U	U
A02-5796	OS/GP-3(GW)	A2579610	EPA VOA	1,1,2-Trichloroethane	5000	UG/L	U	U
A02-5796	OS/GP-3(GW)	A2579610	EPA VOA	1,1-Dichloroethane	5000	UG/L	U	U
A02-5796	OS/GP-3(GW)	A2579610	EPA VOA	1,1-Dichloroethene	5000	UG/L	U	U
A02-5796	OS/GP-3(GW)	A2579610	EPA VOA	1,2,4-Trichlorobenzene	5000	UG/L	U	U
A02-5796	OS/GP-3(GW)	A2579610	EPA VOA	1,2-Dibromo-3-chloropropane	5000	UG/L	U	U
A02-5796	OS/GP-3(GW)	A2579610	EPA VOA	1,2-Dibromoethane	5000	UG/L	U	U
A02-5796	OS/GP-3(GW)	A2579610	EPA VOA	1,2-Dichlorobenzene	5000	UG/L	U	U
A02-5796	OS/GP-3(GW)	A2579610	EPA VOA	1,2-Dichloroethane	5000	UG/L	U	U
A02-5796	OS/GP-3(GW)	A2579610	EPA VOA	1,2-Dichloropropane	5000	UG/L	U	U
A02-5796	OS/GP-3(GW)	A2579610	EPA VOA	1,3-Dichlorobenzene	5000	UG/L	U	U
A02-5796	OS/GP-3(GW)	A2579610	EPA VOA	1,4-Dichlorobenzene	5000	UG/L	U	U
A02-5796	OS/GP-3(GW)	A2579610	EPA VOA	2-Butanone	5000	UG/L	U	U
A02-5796	OS/GP-3(GW)	A2579610	EPA VOA	2-Hexanone	5000	UG/L	U	U
A02-5796	OS/GP-3(GW)	A2579610	EPA VOA	4-Methyl-2-pentanone	5000	UG/L	U	U
A02-5796	OS/GP-3(GW)	A2579610	EPA VOA	Acetone	5000	UG/L	BJ	U
A02-5796	OS/GP-3(GW)	A2579610	EPA VOA	Benzene	5000	UG/L	U	U
A02-5796	OS/GP-3(GW)	A2579610	EPA VOA	Bromodichloromethane	5000	UG/L	U	U
A02-5796	OS/GP-3(GW)	A2579610	EPA VOA	Bromoform	5000	UG/L	U	U
A02-5796	OS/GP-3(GW)	A2579610	EPA VOA	Bromomethane	5000	UG/L	U	U
A02-5796	OS/GP-3(GW)	A2579610	EPA VOA	Carbon Disulfide	5000	UG/L	U	U
A02-5796	OS/GP-3(GW)	A2579610	EPA VOA	Carbon Tetrachloride	5000	UG/L	U	U
A02-5796	OS/GP-3(GW)	A2579610	EPA VOA	Chlorobenzene	5000	UG/L	U	U
A02-5796	OS/GP-3(GW)	A2579610	EPA VOA	Chloroethane	5000	UG/L	U	U
A02-5796	OS/GP-3(GW)	A2579610	EPA VOA	Chloroform	5000	UG/L	U	U
A02-5796	OS/GP-3(GW)	A2579610	EPA VOA	Chloromethane	5000	UG/L	BJ	U
A02-5796	OS/GP-3(GW)	A2579610	EPA VOA	cis-1,2-Dichloroethene	5000	UG/L	U	U
A02-5796	OS/GP-3(GW)	A2579610	EPA VOA	cis-1,3-Dichloropropene	5000	UG/L	U	U
A02-5796	OS/GP-3(GW)	A2579610	EPA VOA	Cyclohexane	5000	UG/L	U	U
A02-5796	OS/GP-3(GW)	A2579610	EPA VOA	Dibromochloromethane	5000	UG/L	U	U
A02-5796	OS/GP-3(GW)	A2579610	EPA VOA	Dichlorodifluoromethane	5000	UG/L	U	U
A02-5796	OS/GP-3(GW)	A2579610	EPA VOA	Ethylbenzene	5000	UG/L	U	U
A02-5796	OS/GP-3(GW)	A2579610	EPA VOA	Isopropylbenzene	5000	UG/L	U	U
A02-5796	OS/GP-3(GW)	A2579610	EPA VOA	Methyl acetate	5000	UG/L	U	U
A02-5796	OS/GP-3(GW)	A2579610	EPA VOA	Methyl tert butyl ether	5000	UG/L	U	U
A02-5796	OS/GP-3(GW)	A2579610	EPA VOA	Methylcyclohexane	5000	UG/L	U	U
A02-5796	OS/GP-3(GW)	A2579610	EPA VOA	Methylene chloride	5000	UG/L	BJ	U
A02-5796	OS/GP-3(GW)	A2579610	EPA VOA	Styrene	5000	UG/L	U	U
A02-5796	OS/GP-3(GW)	A2579610	EPA VOA	Tetrachloroethene	5000	UG/L	U	U
A02-5796	OS/GP-3(GW)	A2579610	EPA VOA	Total Xylenes	5000	UG/L	U	U

JOBNO	CLIENTID	LABSAMPID	METHOD	PARAMETER	Result	UM	FLAGS	Final_Qualifier
A02-5796	OS/GP-3(GW)	A2579610	EPA VOA	trans-1,2-Dichloroethene	5000	UG/L	U	U
A02-5796	OS/GP-3(GW)	A2579610	EPA VOA	trans-1,3-Dichloropropene	5000	UG/L	U	U
A02-5796	OS/GP-3(GW)	A2579610	EPA VOA	Trichloroethene	5000	UG/L	U	U
A02-5796	OS/GP-3(GW)	A2579610	EPA VOA	Trichlorofluoromethane	5000	UG/L	U	U
A02-5796	OS/GP-3(GW)	A2579610	EPA VOA	Vinyl chloride	5000	UG/L	U	U
A02-5796	OS/GP-3(GW) DL	A2579610DL	EPA VOA	Toluene	130000	UG/L	BD	D
A02-5796	OS/GP-4(GW)	A2579611	EPA VOA	1,1,1-Trichloroethane	10	UG/L	U	U
A02-5796	OS/GP-4(GW)	A2579611	EPA VOA	1,1,2,2-Tetrachloroethane	10	UG/L	U	U
A02-5796	OS/GP-4(GW)	A2579611	EPA VOA	1,1,2-Trichloro-1,2,2-trifluoroethane	10	UG/L	U	U
A02-5796	OS/GP-4(GW)	A2579611	EPA VOA	1,1,2-Trichloroethane	10	UG/L	U	U
A02-5796	OS/GP-4(GW)	A2579611	EPA VOA	1,1-Dichloroethene	10	UG/L	U	U
A02-5796	OS/GP-4(GW)	A2579611	EPA VOA	1,2,4-Trichlorobenzene	10	UG/L	U	U
A02-5796	OS/GP-4(GW)	A2579611	EPA VOA	1,2-Dibromo-3-chloropropane	10	UG/L	U	U
A02-5796	OS/GP-4(GW)	A2579611	EPA VOA	1,2-Dibromoethane	10	UG/L	U	U
A02-5796	OS/GP-4(GW)	A2579611	EPA VOA	1,2-Dichlorobenzene	10	UG/L	U	U
A02-5796	OS/GP-4(GW)	A2579611	EPA VOA	1,2-Dichloroethane	10	UG/L	U	U
A02-5796	OS/GP-4(GW)	A2579611	EPA VOA	1,2-Dichloropropane	10	UG/L	U	U
A02-5796	OS/GP-4(GW)	A2579611	EPA VOA	1,3-Dichlorobenzene	10	UG/L	U	U
A02-5796	OS/GP-4(GW)	A2579611	EPA VOA	1,4-Dichlorobenzene	10	UG/L	U	U
A02-5796	OS/GP-4(GW)	A2579611	EPA VOA	2-Butanone	10	UG/L	U	U
A02-5796	OS/GP-4(GW)	A2579611	EPA VOA	2-Hexanone	2	UG/L	J	J
A02-5796	OS/GP-4(GW)	A2579611	EPA VOA	4-Methyl-2-pentanone	10	UG/L	U	U
A02-5796	OS/GP-4(GW)	A2579611	EPA VOA	Acetone	10	UG/L	BJ	U
A02-5796	OS/GP-4(GW)	A2579611	EPA VOA	Benzene	16	UG/L		
A02-5796	OS/GP-4(GW)	A2579611	EPA VOA	Bromodichloromethane	10	UG/L	U	U
A02-5796	OS/GP-4(GW)	A2579611	EPA VOA	Bromoform	10	UG/L	U	U
A02-5796	OS/GP-4(GW)	A2579611	EPA VOA	Bromomethane	10	UG/L	U	U
A02-5796	OS/GP-4(GW)	A2579611	EPA VOA	Carbon Disulfide	10	UG/L	U	U
A02-5796	OS/GP-4(GW)	A2579611	EPA VOA	Carbon Tetrachloride	10	UG/L	U	U
A02-5796	OS/GP-4(GW)	A2579611	EPA VOA	Chlorobenzene	10	UG/L	U	U
A02-5796	OS/GP-4(GW)	A2579611	EPA VOA	Chloroform	10	UG/L	U	U
A02-5796	OS/GP-4(GW)	A2579611	EPA VOA	Chloromethane	10	UG/L	BJ	U
A02-5796	OS/GP-4(GW)	A2579611	EPA VOA	cis-1,2-Dichloroethene	10	UG/L	U	U
A02-5796	OS/GP-4(GW)	A2579611	EPA VOA	cis-1,3-Dichloropropene	10	UG/L	U	U
A02-5796	OS/GP-4(GW)	A2579611	EPA VOA	Cyclohexane	10	UG/L	U	U
A02-5796	OS/GP-4(GW)	A2579611	EPA VOA	Dibromochloromethane	10	UG/L	U	U
A02-5796	OS/GP-4(GW)	A2579611	EPA VOA	Dichlorodifluoromethane	10	UG/L	U	U
A02-5796	OS/GP-4(GW)	A2579611	EPA VOA	Ethylbenzene	43	UG/L		
A02-5796	OS/GP-4(GW)	A2579611	EPA VOA	Isopropylbenzene	10	UG/L	U	U
A02-5796	OS/GP-4(GW)	A2579611	EPA VOA	Methyl acetate	10	UG/L	U	U
A02-5796	OS/GP-4(GW)	A2579611	EPA VOA	Methyl tert butyl ether	10	UG/L	U	U
A02-5796	OS/GP-4(GW)	A2579611	EPA VOA	Methylcyclohexane	10	UG/L	U	U
A02-5796	OS/GP-4(GW)	A2579611	EPA VOA	Methylene chloride	10	UG/L	BJ	U
A02-5796	OS/GP-4(GW)	A2579611	EPA VOA	Styrene	10	UG/L	U	U

JOBNO	CLIENTID	LABSAMPID	METHOD	PARAMETER	Result	UM	FLAGS	Final_Qualifier
A02-5796	OS/GP-4(GW)	A2579611	EPA VOA	Tetrachloroethene	10	UG/L	U	U
A02-5796	OS/GP-4(GW)	A2579611	EPA VOA	Total Xylenes	190	UG/L		
A02-5796	OS/GP-4(GW)	A2579611	EPA VOA	trans-1,2-Dichloroethene	10	UG/L	U	U
A02-5796	OS/GP-4(GW)	A2579611	EPA VOA	trans-1,3-Dichloropropene	10	UG/L	U	U
A02-5796	OS/GP-4(GW)	A2579611	EPA VOA	Trichloroethene	10	UG/L	U	U
A02-5796	OS/GP-4(GW)	A2579611	EPA VOA	Trichlorofluoromethane	10	UG/L	U	U
A02-5796	OS/GP-4(GW)	A2579611	EPA VOA	Vinyl chloride	10	UG/L	U	U
A02-5796	OS/GP-4(GW) DL	A2579611DL	EPA VOA	1,1-Dichloroethane	5000	UG/L	U	U
A02-5796	OS/GP-4(GW) DL	A2579611DL	EPA VOA	Chloroethane	5000	UG/L	U	U
A02-5796	OS/GP-4(GW) DL	A2579611DL	EPA VOA	Toluene	29000	UG/L	D	D
A02-5796	OS/GP-5(GW)	A2579612	EPA VOA	1,1,1-Trichloroethane	10	UG/L	U	U
A02-5796	OS/GP-5(GW)	A2579612	EPA VOA	1,1,2,2-Tetrachloroethane	10	UG/L	U	U
A02-5796	OS/GP-5(GW)	A2579612	EPA VOA	1,1,2-Trichloro-1,2,2-trifluoroethane	10	UG/L	BJ	U
A02-5796	OS/GP-5(GW)	A2579612	EPA VOA	1,1,2-Trichloroethane	10	UG/L	U	U
A02-5796	OS/GP-5(GW)	A2579612	EPA VOA	1,1-Dichloroethane	2	UG/L	J	J
A02-5796	OS/GP-5(GW)	A2579612	EPA VOA	1,1-Dichloroethene	10	UG/L	U	U
A02-5796	OS/GP-5(GW)	A2579612	EPA VOA	1,2,4-Trichlorobenzene	10	UG/L	U	U
A02-5796	OS/GP-5(GW)	A2579612	EPA VOA	1,2-Dibromo-3-chloropropane	10	UG/L	U	U
A02-5796	OS/GP-5(GW)	A2579612	EPA VOA	1,2-Dibromoethane	10	UG/L	U	U
A02-5796	OS/GP-5(GW)	A2579612	EPA VOA	1,2-Dichlorobenzene	10	UG/L	U	U
A02-5796	OS/GP-5(GW)	A2579612	EPA VOA	1,2-Dichloroethane	10	UG/L	U	U
A02-5796	OS/GP-5(GW)	A2579612	EPA VOA	1,2-Dichloropropane	10	UG/L	U	U
A02-5796	OS/GP-5(GW)	A2579612	EPA VOA	1,3-Dichlorobenzene	10	UG/L	U	U
A02-5796	OS/GP-5(GW)	A2579612	EPA VOA	1,4-Dichlorobenzene	10	UG/L	U	U
A02-5796	OS/GP-5(GW)	A2579612	EPA VOA	2-Butanone	10	UG/L	U	U
A02-5796	OS/GP-5(GW)	A2579612	EPA VOA	2-Hexanone	10	UG/L	U	U
A02-5796	OS/GP-5(GW)	A2579612	EPA VOA	4-Methyl-2-pentanone	10	UG/L	U	U
A02-5796	OS/GP-5(GW)	A2579612	EPA VOA	Acetone	2	UG/L	J	J
A02-5796	OS/GP-5(GW)	A2579612	EPA VOA	Benzene	2	UG/L	J	J
A02-5796	OS/GP-5(GW)	A2579612	EPA VOA	Bromodichloromethane	10	UG/L	U	U
A02-5796	OS/GP-5(GW)	A2579612	EPA VOA	Bromoform	10	UG/L	U	U
A02-5796	OS/GP-5(GW)	A2579612	EPA VOA	Bromomethane	10	UG/L	U	U
A02-5796	OS/GP-5(GW)	A2579612	EPA VOA	Carbon Disulfide	10	UG/L	U	U
A02-5796	OS/GP-5(GW)	A2579612	EPA VOA	Carbon Tetrachloride	10	UG/L	U	U
A02-5796	OS/GP-5(GW)	A2579612	EPA VOA	Chlorobenzene	10	UG/L	U	U
A02-5796	OS/GP-5(GW)	A2579612	EPA VOA	Chloroethane	1	UG/L	J	J
A02-5796	OS/GP-5(GW)	A2579612	EPA VOA	Chloroform	10	UG/L	U	U
A02-5796	OS/GP-5(GW)	A2579612	EPA VOA	Chloromethane	10	UG/L	BJ	U
A02-5796	OS/GP-5(GW)	A2579612	EPA VOA	cis-1,2-Dichloroethene	10	UG/L	U	U
A02-5796	OS/GP-5(GW)	A2579612	EPA VOA	cis-1,3-Dichloropropene	10	UG/L	U	U
A02-5796	OS/GP-5(GW)	A2579612	EPA VOA	Cyclohexane	10	UG/L	U	U
A02-5796	OS/GP-5(GW)	A2579612	EPA VOA	Dibromochloromethane	10	UG/L	U	U
A02-5796	OS/GP-5(GW)	A2579612	EPA VOA	Dichlorodifluoromethane	10	UG/L	U	U
A02-5796	OS/GP-5(GW)	A2579612	EPA VOA	Ethylbenzene	10	UG/L	U	U

JOBNO	CLIENTID	LABSAMPID	METHOD	PARAMETER	Result	UM	FLAGS	Final_Qualifier
A02-5796	OS/GP-5(GW)	A2579612	EPA VOA	Isopropylbenzene	10	UG/L	U	U
A02-5796	OS/GP-5(GW)	A2579612	EPA VOA	Methyl acetate	10	UG/L	U	U
A02-5796	OS/GP-5(GW)	A2579612	EPA VOA	Methyl tert butyl ether	10	UG/L	U	U
A02-5796	OS/GP-5(GW)	A2579612	EPA VOA	Methylcyclohexane	10	UG/L	U	U
A02-5796	OS/GP-5(GW)	A2579612	EPA VOA	Methylene chloride	34	UG/L	B	U
A02-5796	OS/GP-5(GW)	A2579612	EPA VOA	Styrene	10	UG/L	U	U
A02-5796	OS/GP-5(GW)	A2579612	EPA VOA	Tetrachloroethene	10	UG/L	U	U
A02-5796	OS/GP-5(GW)	A2579612	EPA VOA	Toluene	4	UG/L	J	J
A02-5796	**OS/GP-5(GW)**	**A2579612**	**EPA VOA**	**Total Xylenes**	**10**	**UG/L**	**U**	**U**
A02-5796	OS/GP-5(GW)	A2579612	EPA VOA	trans-1,2-Dichloroethene	10	UG/L	U	U
A02-5796	OS/GP-5(GW)	A2579612	EPA VOA	trans-1,3-Dichloropropene	10	UG/L	U	U
A02-5796	OS/GP-5(GW)	A2579612	EPA VOA	Trichloroethene	10	UG/L	U	U
A02-5796	OS/GP-5(GW)	A2579612	EPA VOA	Trichlorofluoromethane	1	UG/L	J	J
A02-5796	OS/GP-5(GW)	A2579612	EPA VOA	Vinyl chloride	10	UG/L	U	U
A02-5796	OS/GP-6(GW)	A2579613	EPA VOA	1,1,1-Trichloroethane	10	UG/L	U	U
A02-5796	OS/GP-6(GW)	A2579613	EPA VOA	1,1,2,2-Tetrachloroethane	10	UG/L	U	U
A02-5796	OS/GP-6(GW)	A2579613	EPA VOA	1,1,2-Trichloro-1,2,2-trifluoroethane	10	UG/L	BJ	U
A02-5796	OS/GP-6(GW)	A2579613	EPA VOA	1,1,2-Trichloroethane	10	UG/L	U	U
A02-5796	OS/GP-6(GW)	A2579613	EPA VOA	1,1-Dichloroethane	10	UG/L	U	U
A02-5796	OS/GP-6(GW)	A2579613	EPA VOA	1,1-Dichloroethene	10	UG/L	U	U
A02-5796	OS/GP-6(GW)	A2579613	EPA VOA	1,2,4-Trichlorobenzene	10	UG/L	U	U
A02-5796	OS/GP-6(GW)	A2579613	EPA VOA	1,2-Dibromo-3-chloropropane	10	UG/L	U	U
A02-5796	OS/GP-6(GW)	A2579613	EPA VOA	1,2-Dibromoethane	10	UG/L	U	U
A02-5796	OS/GP-6(GW)	A2579613	EPA VOA	1,2-Dichlorobenzene	10	UG/L	U	U
A02-5796	OS/GP-6(GW)	A2579613	EPA VOA	1,2-Dichloroethane	10	UG/L	U	U
A02-5796	OS/GP-6(GW)	A2579613	EPA VOA	1,2-Dichloropropane	10	UG/L	U	U
A02-5796	OS/GP-6(GW)	A2579613	EPA VOA	1,3-Dichlorobenzene	10	UG/L	U	U
A02-5796	OS/GP-6(GW)	A2579613	EPA VOA	1,4-Dichlorobenzene	10	UG/L	U	U
A02-5796	OS/GP-6(GW)	A2579613	EPA VOA	2-Butanone	10	UG/L	U	U
A02-5796	OS/GP-6(GW)	A2579613	EPA VOA	2-Hexanone	10	UG/L	U	U
A02-5796	OS/GP-6(GW)	A2579613	EPA VOA	4-Methyl-2-pentanone	10	UG/L	U	U
A02-5796	OS/GP-6(GW)	A2579613	EPA VOA	Acetone	10	UG/L	BJ	U
A02-5796	OS/GP-6(GW)	A2579613	EPA VOA	Benzene	10	UG/L	U	U
A02-5796	OS/GP-6(GW)	A2579613	EPA VOA	Bromodichloromethane	10	UG/L	U	U
A02-5796	OS/GP-6(GW)	A2579613	EPA VOA	Bromoform	10	UG/L	U	U
A02-5796	OS/GP-6(GW)	A2579613	EPA VOA	Bromomethane	10	UG/L	U	U
A02-5796	OS/GP-6(GW)	A2579613	EPA VOA	Carbon Disulfide	2	UG/L	J	J
A02-5796	OS/GP-6(GW)	A2579613	EPA VOA	Carbon Tetrachloride	10	UG/L	U	U
A02-5796	OS/GP-6(GW)	A2579613	EPA VOA	Chlorobenzene	10	UG/L	U	U
A02-5796	OS/GP-6(GW)	A2579613	EPA VOA	Chloroethane	10	UG/L	U	U
A02-5796	OS/GP-6(GW)	A2579613	EPA VOA	Chloroform	10	UG/L	U	U
A02-5796	OS/GP-6(GW)	A2579613	EPA VOA	Chloromethane	10	UG/L	U	U
A02-5796	OS/GP-6(GW)	A2579613	EPA VOA	cis-1,2-Dichloroethene	10	UG/L	U	U
A02-5796	OS/GP-6(GW)	A2579613	EPA VOA	cis-1,3-Dichloropropene	10	UG/L	U	U

JOBNO	CLIENTID	LABSAMPID	METHOD	PARAMETER	Result	UM	FLAGS	Final_Qualifier
A02-5796	OS/GP-6(GW)	A2579613	EPA VOA	Cyclohexane	10	UG/L	U	U
A02-5796	OS/GP-6(GW)	A2579613	EPA VOA	Dibromochloromethane	10	UG/L	U	U
A02-5796	OS/GP-6(GW)	A2579613	EPA VOA	Dichlorodifluoromethane	10	UG/L	U	U
A02-5796	OS/GP-6(GW)	A2579613	EPA VOA	Ethylbenzene	10	UG/L	U	U
A02-5796	OS/GP-6(GW)	A2579613	EPA VOA	Isopropylbenzene	10	UG/L	U	U
A02-5796	OS/GP-6(GW)	A2579613	EPA VOA	Methyl acetate	10	UG/L	U	U
A02-5796	OS/GP-6(GW)	A2579613	EPA VOA	Methyl tert butyl ether	10	UG/L	U	U
A02-5796	OS/GP-6(GW)	A2579613	EPA VOA	Methylcyclohexane	10	UG/L	U	U
A02-5796	**OS/GP-6(GW)**	**A2579613**	**EPA VOA**	**Methylene chloride**	40	UG/L	B	U
A02-5796	OS/GP-6(GW)	A2579613	EPA VOA	Styrene	10	UG/L	U	U
A02-5796	OS/GP-6(GW)	A2579613	EPA VOA	Tetrachloroethene	10	UG/L	U	U
A02-5796	OS/GP-6(GW)	A2579613	EPA VOA	Toluene	24	UG/L		
A02-5796	OS/GP-6(GW)	A2579613	EPA VOA	Total Xylenes	10	UG/L	U	U
A02-5796	OS/GP-6(GW)	A2579613	EPA VOA	trans-1,2-Dichloroethene	10	UG/L	U	U
A02-5796	OS/GP-6(GW)	A2579613	EPA VOA	trans-1,3-Dichloropropene	10	UG/L	U	U
A02-5796	OS/GP-6(GW)	A2579613	EPA VOA	Trichloroethene	10	UG/L	U	U
A02-5796	OS/GP-6(GW)	A2579613	EPA VOA	Trichlorofluoromethane	10	UG/L	U	U
A02-5796	OS/GP-6(GW)	A2579613	EPA VOA	Vinyl chloride	10	UG/L	U	U
A02-5796	OS/GP-6(D)(GW)	A2579614	EPA VOA	1,1,1-Trichloroethane	10	UG/L	U	U
A02-5796	OS/GP-6(D)(GW)	A2579614	EPA VOA	1,1,2,2-Tetrachloroethane	10	UG/L	U	U
A02-5796	OS/GP-6(D)(GW)	A2579614	EPA VOA	1,1,2-Trichloro-1,2,2-trifluoroethane	10	UG/L	BJ	U
A02-5796	OS/GP-6(D)(GW)	A2579614	EPA VOA	1,1,2-Trichloroethane	10	UG/L	U	U
A02-5796	OS/GP-6(D)(GW)	A2579614	EPA VOA	1,1-Dichloroethane	10	UG/L	U	U
A02-5796	OS/GP-6(D)(GW)	A2579614	EPA VOA	1,1-Dichloroethene	10	UG/L	U	U
A02-5796	OS/GP-6(D)(GW)	A2579614	EPA VOA	1,2,4-Trichlorobenzene	10	UG/L	U	U
A02-5796	OS/GP-6(D)(GW)	A2579614	EPA VOA	1,2-Dibromo-3-chloropropane	10	UG/L	U	U
A02-5796	OS/GP-6(D)(GW)	A2579614	EPA VOA	1,2-Dibromoethane	10	UG/L	U	U
A02-5796	OS/GP-6(D)(GW)	A2579614	EPA VOA	1,2-Dichlorobenzene	10	UG/L	U	U
A02-5796	OS/GP-6(D)(GW)	A2579614	EPA VOA	1,2-Dichloroethane	10	UG/L	U	U
A02-5796	OS/GP-6(D)(GW)	A2579614	EPA VOA	1,2-Dichloropropane	10	UG/L	U	U
A02-5796	OS/GP-6(D)(GW)	A2579614	EPA VOA	1,3-Dichlorobenzene	10	UG/L	U	U
A02-5796	OS/GP-6(D)(GW)	A2579614	EPA VOA	1,4-Dichlorobenzene	10	UG/L	U	U
A02-5796	OS/GP-6(D)(GW)	A2579614	EPA VOA	2-Butanone	10	UG/L	U	U
A02-5796	OS/GP-6(D)(GW)	A2579614	EPA VOA	2-Hexanone	10	UG/L	U	U
A02-5796	OS/GP-6(D)(GW)	A2579614	EPA VOA	4-Methyl-2-pentanone	10	UG/L	U	U
A02-5796	OS/GP-6(D)(GW)	A2579614	EPA VOA	Acetone	10	UG/L	BJ	U
A02-5796	OS/GP-6(D)(GW)	A2579614	EPA VOA	Benzene	10	UG/L	U	U
A02-5796	OS/GP-6(D)(GW)	A2579614	EPA VOA	Bromodichloromethane	10	UG/L	U	U
A02-5796	OS/GP-6(D)(GW)	A2579614	EPA VOA	Bromoform	10	UG/L	U	U
A02-5796	OS/GP-6(D)(GW)	A2579614	EPA VOA	Bromomethane	10	UG/L	U	U
A02-5796	OS/GP-6(D)(GW)	A2579614	EPA VOA	Carbon Disulfide	2	UG/L	J	J
A02-5796	OS/GP-6(D)(GW)	A2579614	EPA VOA	Carbon Tetrachloride	10	UG/L	U	U
A02-5796	OS/GP-6(D)(GW)	A2579614	EPA VOA	Chlorobenzene	10	UG/L	U	U
A02-5796	OS/GP-6(D)(GW)	A2579614	EPA VOA	Chloroethane	10	UG/L	U	U

JOBNO	CLIENTID	LABSAMPID	METHOD	PARAMETER	Result	UM	FLAGS	Final_Qualifier
A02-5796	OS/GP-6(D) (GW)	A2579614	EPA VOA	Chloroform	10	UG/L	U	U
A02-5796	OS/GP-6(D) (GW)	A2579614	EPA VOA	Chloromethane	10	UG/L	U	U
A02-5796	OS/GP-6(D) (GW)	A2579614	EPA VOA	cis-1,2-Dichloroethene	10	UG/L	U	U
A02-5796	OS/GP-6(D) (GW)	A2579614	EPA VOA	cis-1,3-Dichloropropene	10	UG/L	U	U
A02-5796	OS/GP-6(D) (GW)	A2579614	EPA VOA	Cyclohexane	10	UG/L	U	U
A02-5796	OS/GP-6(D) (GW)	A2579614	EPA VOA	Dibromochloromethane	10	UG/L	U	U
A02-5796	OS/GP-6(D) (GW)	A2579614	EPA VOA	Dichlorodifluoromethane	10	UG/L	U	U
A02-5796	OS/GP-6(D) (GW)	A2579614	EPA VOA	Ethylbenzene	10	UG/L	U	U
A02-5796	OS/GP-6(D) (GW)	A2579614	EPA VOA	Isopropylbenzene	10	UG/L	U	U
A02-5796	OS/GP-6(D) (GW)	A2579614	EPA VOA	Methyl acetate	10	UG/L	U	U
A02-5796	OS/GP-6(D) (GW)	A2579614	EPA VOA	Methyl tert butyl ether	10	UG/L	U	U
A02-5796	OS/GP-6(D) (GW)	A2579614	EPA VOA	Methylcyclohexane	10	UG/L	U	U
A02-5796	OS/GP-6(D) (GW)	A2579614	EPA VOA	Methylene chloride	26	UG/L	B	U
A02-5796	OS/GP-6(D) (GW)	A2579614	EPA VOA	Styrene	10	UG/L	U	U
A02-5796	OS/GP-6(D) (GW)	A2579614	EPA VOA	Tetrachloroethene	10	UG/L	U	U
A02-5796	OS/GP-6(D) (GW)	A2579614	EPA VOA	Toluene	18	UG/L		
A02-5796	OS/GP-6(D) (GW)	A2579614	EPA VOA	Total Xylenes	10	UG/L	U	U
A02-5796	OS/GP-6(D) (GW)	A2579614	EPA VOA	trans-1,2-Dichloroethene	10	UG/L	U	U
A02-5796	OS/GP-6(D) (GW)	A2579614	EPA VOA	trans-1,3-Dichloropropene	10	UG/L	U	U
A02-5796	OS/GP-6(D) (GW)	A2579614	EPA VOA	Trichloroethene	10	UG/L	U	U
A02-5796	OS/GP-6(D) (GW)	A2579614	EPA VOA	Trichlorofluoromethane	10	UG/L	U	U
A02-5796	OS/GP-6(D) (GW)	A2579614	EPA VOA	Vinyl chloride	10	UG/L	U	U
A02-5796	OS/GP-7(GW)	A2579615	EPA VOA	1,1,1-Trichloroethane	10	UG/L	U	U
A02-5796	OS/GP-7(GW)	A2579615	EPA VOA	1,1,2,2-Tetrachloroethane	10	UG/L	U	U
A02-5796	OS/GP-7(GW)	A2579615	EPA VOA	1,1,2-Trichloro-1,2,2-trifluoroethane	10	UG/L	BJ	U
A02-5796	OS/GP-7(GW)	A2579615	EPA VOA	1,1,2-Trichloroethane	10	UG/L	U	U
A02-5796	OS/GP-7(GW)	A2579615	EPA VOA	1,1-Dichloroethane	10	UG/L	U	U
A02-5796	OS/GP-7(GW)	A2579615	EPA VOA	1,1-Dichloroethene	10	UG/L	U	U
A02-5796	OS/GP-7(GW)	A2579615	EPA VOA	1,2,4-Trichlorobenzene	10	UG/L	U	U
A02-5796	OS/GP-7(GW)	A2579615	EPA VOA	1,2-Dibromo-3-chloropropane	10	UG/L	U	U
A02-5796	OS/GP-7(GW)	A2579615	EPA VOA	1,2-Dibromoethane	10	UG/L	U	U
A02-5796	OS/GP-7(GW)	A2579615	EPA VOA	1,2-Dichlorobenzene	10	UG/L	U	U
A02-5796	OS/GP-7(GW)	A2579615	EPA VOA	1,2-Dichloroethane	10	UG/L	U	U
A02-5796	OS/GP-7(GW)	A2579615	EPA VOA	1,2-Dichloropropane	10	UG/L	U	U
A02-5796	OS/GP-7(GW)	A2579615	EPA VOA	1,3-Dichlorobenzene	10	UG/L	U	U
A02-5796	OS/GP-7(GW)	A2579615	EPA VOA	1,4-Dichlorobenzene	10	UG/L	U	U
A02-5796	OS/GP-7(GW)	A2579615	EPA VOA	2-Butanone	10	UG/L	U	U
A02-5796	OS/GP-7(GW)	A2579615	EPA VOA	2-Hexanone	10	UG/L	U	U
A02-5796	OS/GP-7(GW)	A2579615	EPA VOA	4-Methyl-2-pentanone	10	UG/L	U	U
A02-5796	OS/GP-7(GW)	A2579615	EPA VOA	Acetone	10	UG/L	BJ	U
A02-5796	OS/GP-7(GW)	A2579615	EPA VOA	Benzene	10	UG/L	U	U
A02-5796	OS/GP-7(GW)	A2579615	EPA VOA	Bromodichloromethane	10	UG/L	U	U
A02-5796	OS/GP-7(GW)	A2579615	EPA VOA	Bromoform	10	UG/L	U	U
A02-5796	OS/GP-7(GW)	A2579615	EPA VOA	Bromomethane	10	UG/L	U	U

JOBNO	CLIENTID	LABSAMPID	METHOD	PARAMETER	Result	UM	FLAGS	Final_Qualifier
A02-5796	OS/GP-7(GW)	A2579615	EPA VOA	Carbon Disulfide	10	UG/L	U	U
A02-5796	OS/GP-7(GW)	A2579615	EPA VOA	Carbon Tetrachloride	10	UG/L	U	U
A02-5796	OS/GP-7(GW)	A2579615	EPA VOA	Chlorobenzene	10	UG/L	U	U
A02-5796	OS/GP-7(GW)	A2579615	EPA VOA	Chloroethane	10	UG/L	U	U
A02-5796	OS/GP-7(GW)	A2579615	EPA VOA	Chloroform	10	UG/L	U	U
A02-5796	OS/GP-7(GW)	A2579615	EPA VOA	Chloromethane	10	UG/L	U	U
A02-5796	OS/GP-7(GW)	A2579615	EPA VOA	cis-1,2-Dichloroethene	10	UG/L	U	U
A02-5796	OS/GP-7(GW)	A2579615	EPA VOA	cis-1,3-Dichloropropene	10	UG/L	U	U
A02-5796	**OS/GP-7(GW)**	**A2579615**	**EPA VOA**	**Cyclohexane**	10	**UG/L**	**U**	**U**
A02-5796	OS/GP-7(GW)	A2579615	EPA VOA	Dibromochloromethane	10	UG/L	U	U
A02-5796	OS/GP-7(GW)	A2579615	EPA VOA	Dichlorodifluoromethane	10	UG/L	U	U
A02-5796	OS/GP-7(GW)	A2579615	EPA VOA	Ethylbenzene	10	UG/L	U	U
A02-5796	OS/GP-7(GW)	A2579615	EPA VOA	Isopropylbenzene	10	UG/L	U	U
A02-5796	OS/GP-7(GW)	A2579615	EPA VOA	Methyl acetate	10	UG/L	U	U
A02-5796	OS/GP-7(GW)	A2579615	EPA VOA	Methyl tert butyl ether	10	UG/L	U	U
A02-5796	OS/GP-7(GW)	A2579615	EPA VOA	Methylcyclohexane	10	UG/L	U	U
A02-5796	OS/GP-7(GW)	A2579615	EPA VOA	Methylene chloride	10	UG/L	BJ	U
A02-5796	OS/GP-7(GW)	A2579615	EPA VOA	Styrene	10	UG/L	U	U
A02-5796	OS/GP-7(GW)	A2579615	EPA VOA	Tetrachloroethene	10	UG/L	U	U
A02-5796	OS/GP-7(GW)	A2579615	EPA VOA	Toluene	7	UG/L	J	J
A02-5796	OS/GP-7(GW)	A2579615	EPA VOA	Total Xylenes	10	UG/L	U	U
A02-5796	OS/GP-7(GW)	A2579615	EPA VOA	trans-1,2-Dichloroethene	10	UG/L	U	U
A02-5796	OS/GP-7(GW)	A2579615	EPA VOA	trans-1,3-Dichloropropene	10	UG/L	U	U
A02-5796	OS/GP-7(GW)	A2579615	EPA VOA	Trichloroethene	10	UG/L	U	U
A02-5796	OS/GP-7(GW)	A2579615	EPA VOA	Trichlorofluoromethane	10	UG/L	U	U
A02-5796	OS/GP-7(GW)	A2579615	EPA VOA	Vinyl chloride	10	UG/L	U	U
A02-5796	OS/GP-8(GW)	A2579616	EPA VOA	1,1,1-Trichloroethane	10	UG/L	U	U
A02-5796	OS/GP-8(GW)	A2579616	EPA VOA	1,1,2,2-Tetrachloroethane	10	UG/L	U	U
A02-5796	OS/GP-8(GW)	A2579616	EPA VOA	1,1,2-Trichloro-1,2,2-trifluoroethane	10	UG/L	BJ	U
A02-5796	OS/GP-8(GW)	A2579616	EPA VOA	1,1,2-Trichloroethane	10	UG/L	U	U
A02-5796	OS/GP-8(GW)	A2579616	EPA VOA	1,1-Dichloroethane	10	UG/L	U	U
A02-5796	OS/GP-8(GW)	A2579616	EPA VOA	1,1-Dichloroethene	10	UG/L	U	U
A02-5796	OS/GP-8(GW)	A2579616	EPA VOA	1,2,4-Trichlorobenzene	10	UG/L	U	U
A02-5796	OS/GP-8(GW)	A2579616	EPA VOA	1,2-Dibromo-3-chloropropane	10	UG/L	U	U
A02-5796	OS/GP-8(GW)	A2579616	EPA VOA	1,2-Dibromoethane	10	UG/L	U	U
A02-5796	OS/GP-8(GW)	A2579616	EPA VOA	1,2-Dichlorobenzene	10	UG/L	U	U
A02-5796	OS/GP-8(GW)	A2579616	EPA VOA	1,2-Dichloroethane	10	UG/L	U	U
A02-5796	OS/GP-8(GW)	A2579616	EPA VOA	1,2-Dichloropropane	10	UG/L	U	U
A02-5796	OS/GP-8(GW)	A2579616	EPA VOA	1,3-Dichlorobenzene	10	UG/L	U	U
A02-5796	OS/GP-8(GW)	A2579616	EPA VOA	1,4-Dichlorobenzene	10	UG/L	U	U
A02-5796	OS/GP-8(GW)	A2579616	EPA VOA	2-Butanone	10	UG/L	U	U
A02-5796	OS/GP-8(GW)	A2579616	EPA VOA	2-Hexanone	10	UG/L	U	U
A02-5796	OS/GP-8(GW)	A2579616	EPA VOA	4-Methyl-2-pentanone	10	UG/L	U	U
A02-5796	OS/GP-8(GW)	A2579616	EPA VOA	Acetone	10	UG/L	J	U

JOBNO	CLIENTID	LABSAMPID	METHOD	PARAMETER	Result	UM	FLAGS	Final_Qualifier
A02-5796	OS/GP-8(GW)	A2579616	EPA VOA	Benzene	10	UG/L	U	U
A02-5796	OS/GP-8(GW)	A2579616	EPA VOA	Bromodichloromethane	10	UG/L	U	U
A02-5796	OS/GP-8(GW)	A2579616	EPA VOA	Bromoform	10	UG/L	U	U
A02-5796	OS/GP-8(GW)	A2579616	EPA VOA	Bromomethane	10	UG/L	U	U
A02-5796	OS/GP-8(GW)	A2579616	EPA VOA	Carbon Disulfide	10	UG/L	U	U
A02-5796	OS/GP-8(GW)	A2579616	EPA VOA	Carbon Tetrachloride	10	UG/L	U	U
A02-5796	OS/GP-8(GW)	A2579616	EPA VOA	Chlorobenzene	10	UG/L	U	U
A02-5796	OS/GP-8(GW)	A2579616	EPA VOA	Chloroethane	10	UG/L	U	U
A02-5796	OS/GP-8(GW)	A2579616	EPA VOA	Chloroform	10	UG/L	U	U
A02-5796	OS/GP-8(GW)	A2579616	EPA VOA	Chloromethane	10	UG/L	BJ	U
A02-5796	OS/GP-8(GW)	A2579616	EPA VOA	cis-1,2-Dichloroethene	10	UG/L	U	U
A02-5796	OS/GP-8(GW)	A2579616	EPA VOA	cis-1,3-Dichloropropene	10	UG/L	U	U
A02-5796	OS/GP-8(GW)	A2579616	EPA VOA	Cyclohexane	10	UG/L	U	U
A02-5796	OS/GP-8(GW)	A2579616	EPA VOA	Dibromochloromethane	10	UG/L	U	U
A02-5796	OS/GP-8(GW)	A2579616	EPA VOA	Dichlorodifluoromethane	10	UG/L	U	U
A02-5796	OS/GP-8(GW)	A2579616	EPA VOA	Ethylbenzene	10	UG/L	U	U
A02-5796	OS/GP-8(GW)	A2579616	EPA VOA	Isopropylbenzene	10	UG/L	U	U
A02-5796	OS/GP-8(GW)	A2579616	EPA VOA	Methyl acetate	10	UG/L	U	U
A02-5796	OS/GP-8(GW)	A2579616	EPA VOA	Methyl tert butyl ether	10	UG/L	U	U
A02-5796	OS/GP-8(GW)	A2579616	EPA VOA	Methylcyclohexane	10	UG/L	U	U
A02-5796	OS/GP-8(GW)	A2579616	EPA VOA	Methylene chloride	10	UG/L	BJ	U
A02-5796	OS/GP-8(GW)	A2579616	EPA VOA	Styrene	10	UG/L	U	U
A02-5796	OS/GP-8(GW)	A2579616	EPA VOA	Tetrachloroethene	10	UG/L	U	U
A02-5796	OS/GP-8(GW)	A2579616	EPA VOA	Toluene	17	UG/L		
A02-5796	OS/GP-8(GW)	A2579616	EPA VOA	Total Xylenes	10	UG/L	U	U
A02-5796	OS/GP-8(GW)	A2579616	EPA VOA	trans-1,2-Dichloroethene	10	UG/L	U	U
A02-5796	OS/GP-8(GW)	A2579616	EPA VOA	trans-1,3-Dichloropropene	10	UG/L	U	U
A02-5796	OS/GP-8(GW)	A2579616	EPA VOA	Trichloroethene	10	UG/L	U	U
A02-5796	OS/GP-8(GW)	A2579616	EPA VOA	Trichlorofluoromethane	10	UG/L	U	U
A02-5796	OS/GP-8(GW)	A2579616	EPA VOA	Vinyl chloride	10	UG/L	U	U
A02-5796	TB-1	A2579617	EPA VOA	1,1,1-Trichloroethane	10	UG/L	U	U
A02-5796	TB-1	A2579617	EPA VOA	1,1,2,2-Tetrachloroethane	10	UG/L	U	U
A02-5796	TB-1	A2579617	EPA VOA	1,1,2-Trichloro-1,2,2-trifluoroethane	10	UG/L	U	U
A02-5796	TB-1	A2579617	EPA VOA	1,1,2-Trichloroethane	10	UG/L	U	U
A02-5796	TB-1	A2579617	EPA VOA	1,1-Dichloroethane	10	UG/L	U	U
A02-5796	TB-1	A2579617	EPA VOA	1,1-Dichloroethene	10	UG/L	U	U
A02-5796	TB-1	A2579617	EPA VOA	1,2,4-Trichlorobenzene	10	UG/L	U	U
A02-5796	TB-1	A2579617	EPA VOA	1,2-Dibromo-3-chloropropane	10	UG/L	U	U
A02-5796	TB-1	A2579617	EPA VOA	1,2-Dibromoethane	10	UG/L	U	U
A02-5796	TB-1	A2579617	EPA VOA	1,2-Dichlorobenzene	10	UG/L	U	U
A02-5796	TB-1	A2579617	EPA VOA	1,2-Dichloroethane	10	UG/L	U	U
A02-5796	TB-1	A2579617	EPA VOA	1,2-Dichloropropane	10	UG/L	U	U
A02-5796	TB-1	A2579617	EPA VOA	1,3-Dichlorobenzene	10	UG/L	U	U
A02-5796	TB-1	A2579617	EPA VOA	1,4-Dichlorobenzene	10	UG/L	U	U

JOBNO	CLIENTID	LABSAMPID	METHOD	PARAMETER	Result	UM	FLAGS	Final_Qualifier
A02-5796	TB-1	A2579617	EPA VOA	2-Butanone	10	UG/L	U	U
A02-5796	TB-1	A2579617	EPA VOA	2-Hexanone	10	UG/L	U	U
A02-5796	TB-1	A2579617	EPA VOA	4-Methyl-2-pentanone	10	UG/L	U	U
A02-5796	TB-1	A2579617	EPA VOA	Acetone	4	UG/L	BJ	BJ
A02-5796	TB-1	A2579617	EPA VOA	Benzene	10	UG/L	U	U
A02-5796	TB-1	A2579617	EPA VOA	Bromodichloromethane	10	UG/L	U	U
A02-5796	TB-1	A2579617	EPA VOA	Bromoform	10	UG/L	U	U
A02-5796	TB-1	A2579617	EPA VOA	Bromomethane	10	UG/L	U	U
A02-5796	TB-1	A2579617	EPA VOA	Carbon Disulfide	10	UG/L	U	U
A02-5796	TB-1	A2579617	EPA VOA	Carbon Tetrachloride	10	UG/L	U	U
A02-5796	TB-1	A2579617	EPA VOA	Chlorobenzene	10	UG/L	U	U
A02-5796	TB-1	A2579617	EPA VOA	Chloroethane	10	UG/L	U	U
A02-5796	TB-1	A2579617	EPA VOA	Chloroform	10	UG/L	U	U
A02-5796	TB-1	A2579617	EPA VOA	Chloromethane	10	UG/L	U	U
A02-5796	TB-1	A2579617	EPA VOA	cis-1,2-Dichloroethene	10	UG/L	U	U
A02-5796	TB-1	A2579617	EPA VOA	cis-1,3-Dichloropropene	10	UG/L	U	U
A02-5796	TB-1	A2579617	EPA VOA	Cyclohexane	10	UG/L	U	U
A02-5796	TB-1	A2579617	EPA VOA	Dibromochloromethane	10	UG/L	U	U
A02-5796	TB-1	A2579617	EPA VOA	Dichlorodifluoromethane	10	UG/L	U	U
A02-5796	TB-1	A2579617	EPA VOA	Ethylbenzene	10	UG/L	U	U
A02-5796	TB-1	A2579617	EPA VOA	Isopropylbenzene	10	UG/L	U	U
A02-5796	TB-1	A2579617	EPA VOA	Methyl acetate	10	UG/L	U	U
A02-5796	TB-1	A2579617	EPA VOA	Methyl tert butyl ether	10	UG/L	U	U
A02-5796	TB-1	A2579617	EPA VOA	Methylcyclohexane	10	UG/L	U	U
A02-5796	TB-1	A2579617	EPA VOA	Methylene chloride	4	UG/L	BJ	BJ
A02-5796	TB-1	A2579617	EPA VOA	Styrene	10	UG/L	U	U
A02-5796	TB-1	A2579617	EPA VOA	Tetrachloroethene	10	UG/L	U	U
A02-5796	TB-1	A2579617	EPA VOA	Toluene	2	UG/L	BJ	BJ
A02-5796	TB-1	A2579617	EPA VOA	Total Xylenes	10	UG/L	U	U
A02-5796	TB-1	A2579617	EPA VOA	trans-1,2-Dichloroethene	10	UG/L	U	U
A02-5796	TB-1	A2579617	EPA VOA	trans-1,3-Dichloropropene	10	UG/L	U	U
A02-5796	TB-1	A2579617	EPA VOA	Trichloroethene	10	UG/L	U	U
A02-5796	TB-1	A2579617	EPA VOA	Trichlorofluoromethane	10	UG/L	U	U
A02-5796	TB-1	A2579617	EPA VOA	Vinyl chloride	10	UG/L	U	U

Data Usability Summary Report
Sample Delivery Group A02-5812
Sovereign Specialty Chemicals
Buffalo, New York

I. INTRODUCTION

This Data Usability Summary Report (DUSR) describes and summarizes the data review process for the "Offsite Sampling" project at the Sovereign Specialty Chemicals. The review process follows procedures outlined in Section II. Section III summarizes the usability of the data. Section IV lists the findings for each parameter evaluated during the review. Severn Trent Laboratory, Buffalo, New York (STL-Buffalo) performed the analyses for this project. The parameter groups and test methods were as follows:

- Volatile Organic Compounds (VOCs) - SW846 Method 8260B plus Tentatively Identified Compounds (TICs); 5-ml purge for aqueous samples
- Total Metals (aluminum, antimony, arsenic, barium, beryllium, cadmium, calcium, chromium, cobalt, copper, iron, lead, magnesium, manganese, nickel, potassium, selenium, silver, sodium, thallium, vanadium, and zinc) – SW846 Method 6010B
- Toxicity Characteristic Leaching Procedure (TCLP) – SW846 Method 1311 (Extraction)
- TCLP Volatile Organic Compounds (VOCs) – SW846 Method 8260B
- TCLP Semivolatile Organic Compounds (SVOCs) – Method 8270C
- TCLP Pesticides - Method 8081A
- TCLP Herbicides - Method 8150
- TCLP Metals - Method 6010B
- TCLP Mercury – SW846 Method 7470A
- Ash Content – ASTM D-482-80 (ASTM, 2001)
- Total Cyanide – SW846 Method 9012/9014/CLP-WC
- Flashpoint – SW846 Method 1010
- Paint Filter Liquids Test – Method 9095
- Total Recoverable Phenols – Method 9066
- Reactive Sulfide – by SW846 Section 7.3.4.2 and Method 9034
- Corrosivity (pH) – by SW846 Method 9045C
- Total Solids – by Standard Methods Method 2540G (APHA, 1996)

The laboratory assigns a sample delivery group (SDG) number to a group of samples during the sample log-in process. The SDG number is the means by which the laboratory tracks samples and controls QC analyses. The field identification and requested analytical tests for each sample are summarized in Table 1.

II. REVIEW PROCESS

URS performed a data review of all analytical results to assess data quality. A data review includes an assessment of sample handling protocols, supporting laboratory quality control

(QC) parameters, and field QC. The following is a list of specific analytical information evaluated during a data review:

- Data package completeness review – per the NYSDEC ASP Category B or USEPA CLP deliverables requirements
- Analytical methods performed and test method references
- Sample condition - review of log-in records for cooler temperature, presence of headspace, chemical preservation, etc.
- Holding times (comparison of collection, preparation, and analysis dates)
- Analytical results (units, values, significant figures, reporting limits, analyst, percent moisture)
- Laboratory qualifiers and codes
- Sample traceability and comparison to raw data
- Instrument tuning (GC/MS only)
- Initial calibration – comparison to laboratory criteria
- Continuing calibration – comparison to laboratory criteria
- Method blank results and laboratory contamination
- Laboratory control sample (LCS) results and comparison to laboratory control limits
- Matrix spike/matrix spike duplicate (MS/MSD) results and comparison to laboratory control limits
- Field replicate/duplicate results and comparison to data review criteria
- Surrogate recoveries (where applicable) and comparison to laboratory control limits
- ICP serial dilutions and comparison to laboratory criteria
- Internal Standards (where applicable) and comparison to lab criteria
- Tentatively Identified Compounds (TICs)
- Field QC sample (e.g., trip blanks, equipment blanks, etc.)
- Reporting limits
- Electronic Data Deliverables (EDDs) – comparison to the hardcopy analytical report

The analytical reports were reviewed for completeness and the accompanying QC data were reviewed for acceptable performance. In case documentation was incomplete, the laboratory could be required to provide the missing information. When QC results indicated poor performance, URS applied data qualifiers to the results to inform the data user of the possible performance problem. These qualifiers are in addition to the qualifiers provided by the laboratory. A summary of the data qualifiers used for this review is shown in Table 1. For the EDD evaluation, URS performed a 50 to 100% check of the data to confirm that the results in the hardcopy report matched the results in the electronic file.

III. DATA USABILITY

All analytical results are useable based on criteria described in Section II and the data quality objective specified in the approved work plan (IT, 2001). Laboratory Quality Assurance/Quality Control (QA/QC) requirements were met for all analytical tests. No results were rejected.

IV. DATA REVIEW FINDINGS

The following section summarizes the review process and findings associated with the data quality for this project.

1. Completeness Review – STL-Buffalo provided the analytical report in the New York State Department of Environmental Conservation (NYSDEC) format. All necessary documents were included in the report package including a case narrative summarizing the significant QC issues associated with the project analyses.

2. Test Methods – The laboratory performed the analyses using the analytical test methods listed in Section I.

3. Sample Receipt – Ten soil and three aqueous samples were submitted to the laboratory. The sample temperatures at the time of receipt were within the recommended temperature range of 4°C±2°C. Field and laboratory personnel completed the COC correctly recording the signature, date, and time of custody transfer. The samples were collected on June 4, 2002. URS personnel transported the samples to the laboratory on the same day. The laboratory indicated in their case narrative that the aqueous samples for VOC analysis were adequately preserved at a pH of less than 2 S.U.

4. Holding Times – The laboratory performed the VOC and metal analyses within EPA-recommended holding times. Samples for VOC analysis were collected in 4-ounce jars. The laboratory analyzed all samples for pH six days after collection. Although there is no specified hold time for pH in the NYSDEC guidance, the general industry standard is to complete pH analysis within 48 hours of sample collection. The pH results were qualified as estimated (J) by URS to indicate that the analysis was performed past the recommended hold time.

5. Analytical Results – For each sample tested, the laboratory provided the analytical test information using the Contract Laboratory Program (CLP) format. This format requires the use of stylized forms to present critical information pertaining to the analyses performed. For all analytical results, the laboratory provided a Form I with the reported analytical results for the requested analyses. The Form I format shows the following information for VOC analyses: the laboratory name; laboratory code; matrix; sample weight per volume; the extraction type; the percent moisture; the gas chromatography (GC) column identification; the extract volume; the sample identification; the laboratory file identification; the date the sample was received; the date the sample was analyzed; the dilution factor; the chemical abstract service (CAS) number; the units of measure; and the laboratory qualifier (if any). For TCLP SVOC, TCLP pesticide, and TCLP herbicide forms, there is additional information including whether clean-up procedures (e.g., GPC and or sulfur) were performed. The Form I format for inorganic analyses shows the following information: the laboratory name; laboratory code; matrix; sample weight per volume; the digestion/extraction type; the percent moisture; the sample identification, the laboratory file identification; the date the sample was received; the CAS number; the units of measure the laboratory code; and the laboratory qualifier (if any, and the laboratory

method code (e.g., P, GF, or CV). Additional CLP forms were provided (e.g., II, III, etc.) to report applicable QC information for the analyses performed. The laboratory provided all the appropriate forms for the requested methods.

6. Laboratory Qualifers and Codes – The laboratory used various qualifiers and codes to identify specific reporting information concerning each result. The laboratory qualifiers and codes (and their corresponding definitions) which were used by the laboratory for this SDG, are summarized as follows:

Organic Qualifiers

- U – non-detect result at the established laboratory reporting limit (adjusted for percent moisture, if applicable)
- B – associated with a result if the compound was identified in the corresponding method blank
- J - indicates an estimated value or a value below the established reporting limit but above the method detection limit
- N – indicates presumptive evidence of a compound. This flag is used for TICs only.

Inorganic Qualifiers

- U – non-detect result at the established laboratory reporting limit (adjusted for percent moisture, if applicable)
- J or B – indicates a value greater than or equal to the instrument detection limit, but less than the quantitation limit
- N – indicates the spike sample recovery was not within the quality control limits
- E – indicates a value estimated or not reported due to the presence of interferents

The laboratory qualifiers were revised by URS during the data review process to simplify the presentation of data in the final report per the USEPA Region 2 Guidance (USEPA, 2001). Generally, all codes used by the laboratory to indicate results associated with quality control/performance problems were replaced in the electronic database with a "J" qualifier. Per the NYSDEC guidance, the "J" qualifier indicates estimated data. In addition, results associated with laboratory QC analyses that were significantly beyond established control limits were evaluated on a case-by-case basis. Both professional judgement and NYSDEC guidance were used in the evaluation of this data. A detailed explanation for rejected data is provided in this report, where applicable.

7. Sample Traceability and Comparison to Raw Data – Traceability of the organic analyses is established by Form V (Instrument Performance Check), and for inorganics, by either the digestion log or handling/preparation log. These forms list the project samples analyzed per laboratory batch processed and the corresponding QC samples performed with the project samples. All project samples listed by the laboratory for this SDG were included on the applicable forms.

8. Instrument Tuning (GC/MS only) - The GC/MS instrument performance (i.e., "tuning

data," or a check of mass spectral ion intensities using bromofluorobenzene (BFB) met method criteria. The instrument performance was checked prior to calibration and once every 12-hour shift for all analytical QC batches.

9. Initial Calibration - The initial calibration performed for the GC/MS system met method criteria; i.e., response factors for System Performance Check Compounds (SPCCs) met required method levels, and the Relative Standard Deviations (RSDs) for most target compounds were less than 15%. Per the laboratory case narrative, the initial calibration standard curves (A2I0000494-1, A2I0000467-1, and A2I0000468-1) exhibited the %RSD of several compounds as greater than 15%. However, the mean RSDs of all compounds, for each curve, were less than 15%.

10. Calibration Verification - The calibration verification was performed with a mid-level standard immediately following the tuning check at the beginning of each 12-hour analytical sequence. The response factors for the SPCCs met required levels. Per the laboratory case narrative, the continuing calibration (A2C0002175-1) for 1,2,4-trichlorobenzene exhibited a %D greater than 30%. The laboratory performed no corrective action since this compound was not detected in the associated project samples. The results for this compound in all project samples should be considered estimated based on the laboratory information provided.

11. Laboratory Method and Extraction Blanks – Most method blanks contained trace levels of several of the target compounds. The VOC method blanks contained trace levels of one or more of the following compounds: methylene chloride, acetone, toluene, or 1,2,4-trichlorobenzene. The metals method blank contained barium. For the VOC analyses, the corresponding sample results for the identified contaminants were revised to non-detect results if the associated sample results were less than 10 times the method blank result per CLP guidance. Nearly all samples were affected by this qualification practice. A summary of the changes to the reported laboratory results for the VOCs is presented in Table 1. For the metals analyses, the project samples contained barium at concentrations greater than five times the method blank results. Therefore, no qualification or revision of data was required. No revision of the trip blank results was made based on laboratory method blank information. It cannot be determined whether the contamination in the trip blank is attributable to contamination acquired during shipment or laboratory processing; therefore, no qualification of data is made.

12. Laboratory Control Samples (LCSs) – All percent recoveries for the TCLP, total VOC, total metals, and the miscellaneous inorganic analyses were within the laboratory control limits. It should be noted that the laboratory included summary sheets of QC sample "J0675" in the report. This is not an environmental project sample.

13. Matrix Spike/Matrix Spike Duplicate (MS/MSD) – URS submitted project sample OS/TP-1 [6-7] for VOC MS/MSD analyses only. All percent recoveries were within laboratory control limits.

14. Laboratory (Method) Duplicates (MDs) – The laboratory did not select a project sample

for method duplicate analyses. There is no requirement in NYSDEC guidance that requires this analysis.

15. Field Replicate/Duplicate Samples – URS did not submit a field duplicate with this sample delivery group. Per the SAP (IT, 2001), field duplicates are to be submitted once per the offsite investigation.

16. Field QC Samples – A trip blanks was submitted with the project samples. The trip blank contained methylene chloride and acetone. The contamination in the trip blank was considered when revising project sample results based on laboratory method blank contamination. See Comment No. 11.

17. Surrogates – The recoveries for the surrogates for the VOC (total), TCLP VOC, TCLP SVOC, TCLP pesticide, and TCLP herbicide analyses were within laboratory control limits. Surrogate usage is not applicable to the metals analysis.

18. ICP Serial Dilutions – Serial dilution analysis was performed on sample B-GP-7 [3-4]. Most percent differences were below 10%, with the exception of barium and lead. Consequently, all positive barium and lead results in the TCLP samples were qualified with an "E" by the laboratory to indicate the performance issue. URS revised the laboratory qualifiers to a "J" qualifier (estimated) in the EDD to simplify the presentation of data per USEPA Region 2 guidance (USEPA, 2001). The "E" qualifier and the "J" qualifier are synonymous for this analytical evaluation. The serial dilution analysis provides an indication of the possible presence of an interferent.

19. Internal Standards (GC/MS only) – The responses of all internal standards associated with target compounds were within the range of 50-200% of the associated calibration verification for all project samples. All internal standard retention times were within ± 30 seconds from that of the most recent calibration for all analyses.

20. Tentatively Identified Compounds (TICs) – The laboratory was required to report a TIC summary for all VOC samples. Most samples contained one or more TICs, with hexane being the most frequently identified compound in the solid samples, and benzene-containing isomers in the groundwater samples. The surface water sample (CSX-SW-1) also contained hexane. Hexane is considered a laboratory contaminant per USEPA Region 2 Guidance (USEPA, 2001). No target compounds were reported as TICs. TICs were not included in the EDD; therefore, no action was taken by URS to revise or edit the identified compounds based on method blank contamination. See Comment No. 11.

21. Reporting Limits – The laboratory reporting limits for all analyses were in accordance with the contract required reporting limits defined by NYSDEC guidance (ASP, 2000). The laboratory corrected the soil VOC results for percent moisture. Moisture correction is not applicable to sample results acquired for hazardous waste characterization (e.g., total cyanide, reactive sulfide, etc.) The laboratory reported estimated data (below the laboratory reporting limit) but above the laboratory MDL for both parameter groups.

22. Electronic Data Deliverables (EDDs) – The results in electronic database matched results listed on the hardcopy analytical report including laboratory qualifiers. The results for flashpoint were listed as "0" in the EDD. URS revised the result to 200 U to indicate a non-detect result at a temperature of 200 degrees Fahrenheit. The qualifiers and results were revised based on quality control issues, and changes are listed in previous comments made in this DUSR. A summary of the changes to the EDD is presented in Table 1.

V. REFERENCES

APHA. 1996. American Public Health Association (APHA). Standard Methods for the Examination of Water and Wastewater, 18th Edition.

ASP. 2000. New York State Department of Environmental Conservation (NYSDEC). Guidance documents including Exhibits A, B, C, D, E, F, G, H, and I. June 2000. *(Provided by Severn Trent Labortory, Buffalo, New York)*

ASTM. 2001. American Society of Testing and Materials (ASTM) "Annual Book of Standards" Volume 11.01.

IT, 2001. "Offsite Field Sampling and Quality Assurance Plan" (Appendix A). IT Corporation (IT). Submitted to Sovereign Specialty Chemicals, Buffalo, New York. 2001.

USEPA. 1997. "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods" (SW846). United States Environmental Protection Agency (USEPA) Final Update III December 1996 (Revised 1997).

USEPA. 2001. "CLP Organics Data Review and Preliminary Review: SOP HW-6." USEPA Region II. Revision 12. March 2001.

Table 1
Qualifiers for SDG A02-5812

Sample Identifications	Sample Analyses	Data Qualifiers
Area A [0-4] A025812-09	TCLP VOCs	▪ None
	TCLP SVOCs	▪ None
	TCLP Herbicides	▪ None
	TCLP Pesticides	▪ None
	TCLP Metals	▪ The laboratory "E" qualifier for barium and lead were revised to a "J" qualifier to indicate estimated data due to the percent difference of the serial dilution analysis outside laboratory criteria.
	Miscellaneous Parameters	▪ The pH results (leachable and corrosivity) were qualified as estimated (J) due to analysis past the recommended hold time. ▪ The result for flashpoint ("0") was revised to 200 U to better reflect that the matrix did not flash at a temperature of 200 degree Fahrenheit.
Area B [0-4] A025812-10	TCLP VOCs	▪ None
	TCLP SVOCs	▪ None
	TCLP Herbicides	▪ None
	TCLP Pesticides	▪ None
	TCLP Metals	▪ The laboratory "E" qualifier for barium and lead were revised to a "J" qualifier to indicate estimated data due to the percent difference of the serial dilution analysis outside laboratory criteria.
	Miscellaneous Parameters	▪ The pH results (leachable and corrosivity) were qualified as estimated (J) due to analysis past the recommended hold time. ▪ The result for flashpoint ("0") was revised to 200 U to better reflect that the matrix did not flash at a temperature of 200 degree Fahrenheit.
Area C [0-4] A025812-11	TCLP VOCs	▪ None
	TCLP SVOCs	▪ None
	TCLP Herbicides	▪ None
	TCLP Pesticides	▪ None
	TCLP Metals	▪ The laboratory "E" qualifier for barium and lead were revised to a "J" qualifier to indicate estimated data due to the percent difference of the serial dilution analysis outside laboratory criteria.
	Miscellaneous Parameters	▪ The pH results (leachable and corrosivity) were qualified as estimated (J) due to analysis past the recommended hold time. ▪ The result for flashpoint ("0") was revised to 200 U to better reflect that the matrix did not flash at a temperature of 200 degree Fahrenheit.
CSX-SW-1 A25812-08	VOCs	▪ The result for acetone (10B ug/kg) and methylene chloride (4BJ ug/kg) were revised to a non-detect values (10U ug/kg, both compounds) due to laboratory method blank contamination.
OS/TP-1 [6-7] A25812-01 *MS/MSD Required*	VOCs	▪ The result for acetone (5BJ ug/kg) and methylene chloride (20B ug/kg) were revised to a non-detect values (11U ug/kg and 20U ug/kg, respectively) due to laboratory method blank contamination.
	pH	▪ The result was qualified as estimated (J) due to analysis past the recommended hold time.
OS/TP-1 [6-7] A25812-02	*Logged in but no analysis required per COC.*	

Table 1
Qualifiers for SDG A02-5812

Sample Identifications	Sample Analyses	Data Qualifiers
OS/TP-2 [6-7] A25812-03	VOCs	• The result for acetone (16B ug/kg) was revised to a non-detect value (16U ug/kg) due to laboratory method blank contamination. • The result for methylene chloride (80B ug/kg) was revised to 80 ug/kg (no qualification) because the concentration in the project sample was significantly greater (10x) than the method blank contamination.
	pH	• The result was qualified as estimated (J) due to analysis past the recommended hold time.
OS/TP-2 (GW) A25812-04	VOCs	• The result for acetone (4J ug/kg) and methylene chloride (2BJ ug/kg) were revised to a non-detect values (10U ug/kg, both compounds) due to laboratory method blank contamination. The acetone result in this case was revised due to the presence of trip blank contamination.
OS/TP-3 [7-8] A25812-05	VOCs	• The result for acetone (21 ug/kg) was revised to a non-detect value (21U ug/kg) due to trip blank contamination. • The result for methylene chloride (200B ug/kg) was revised to 200 ug/kg (no qualification) because the concentration in the project sample was significantly greater (10x) than the method blank contamination.
	PH	• The result was qualified as estimated (J) due to analysis past the recommended hold time.
OS/TP-4 [4-5] A25812-06	VOCs	• The result for acetone (4J ug/kg) was revised to a non-detect value (15U ug/kg) due to trip blank contamination. • The result for methylene chloride (54B ug/kg) was revised to a non-detect value (54U ug/kg) due to laboratory method blank contamination.
	PH	• The result was qualified as estimated (J) due to analysis past the recommended hold time.
OS/TP-5 [4-5] A25812-07	VOCs	• The result for acetone (44B ug/kg) was revised to 44 ug/kg (no qualification) because the concentration in the project sample was significantly greater (10x) than the method blank contamination (or trip blank contamination). • The result for methylene chloride (31B ug/kg) was revised to a non-detect value (31U ug/kg) due to laboratory method blank contamination.
	pH	• The result was qualified as estimated (J) due to analysis past the recommended hold time.
Trip Blank A25812-13	VOCs	• None

Data Qualifier Definitions: The reason for each of the specified data qualifier is included in the above table. Qualifiers from the laboratory are not included in this table, but are retained in the final EDD database unless otherwise noted above.
U = The chemical was not detected. Value shown is the reporting limit.
J = Estimated concentration because the result was below the sample reporting limit or quality control criteria were not met.
UJ = The chemical was not detected at or above the sample reporting limit. However, the reporting limit is approximate and may or may not represent the actual limit of reporting necessary to accurately and precisely measure the chemical in the sample.
R = The result was rejected. The presence or absence of the compound cannot be determined.

ATTACHMENT
(Final Results)

Sovereign_Chemical_Final

JOBNO	CLIENTID	LABSAMPID	METHOD	PARAMETER	Result	UM	FLAGS	Final_Qualifier
A02-5812	OS/TP-1(6-7)	A2581201	9045	Leachable pH	7.42	S.U.		J
A02-5812	OS/TP-1(6-7)	A2581201	EPA VOA	1,1,1-Trichloroethane	14	UG/KG	U	U
A02-5812	OS/TP-1(6-7)	A2581201	EPA VOA	1,1,2,2-Tetrachloroethane	14	UG/KG	U	U
A02-5812	OS/TP-1(6-7)	A2581201	EPA VOA	1,1,2-Trichloro-1,2,2-trifluoroethane	14	UG/KG	U	U
A02-5812	OS/TP-1(6-7)	A2581201	EPA VOA	1,1,2-Trichloroethane	14	UG/KG	U	U
A02-5812	OS/TP-1(6-7)	A2581201	EPA VOA	1,1-Dichloroethane	14	UG/KG	U	U
A02-5812	OS/TP-1(6-7)	A2581201	EPA VOA	1,1-Dichloroethene	14	UG/KG	U	U
A02-5812	OS/TP-1(6-7)	A2581201	EPA VOA	1,2,4-Trichlorobenzene	14	UG/KG	U	U
A02-5812	OS/TP-1(6-7)	A2581201	EPA VOA	1,2-Dibromo-3-chloropropane	14	UG/KG	U	U
A02-5812	OS/TP-1(6-7)	A2581201	EPA VOA	1,2-Dibromoethane	14	UG/KG	U	U
A02-5812	OS/TP-1(6-7)	A2581201	EPA VOA	1,2-Dichlorobenzene	14	UG/KG	U	U
A02-5812	OS/TP-1(6-7)	A2581201	EPA VOA	1,2-Dichloroethane	14	UG/KG	U	U
A02-5812	OS/TP-1(6-7)	A2581201	EPA VOA	1,2-Dichloropropane	14	UG/KG	U	U
A02-5812	OS/TP-1(6-7)	A2581201	EPA VOA	1,3-Dichlorobenzene	14	UG/KG	U	U
A02-5812	OS/TP-1(6-7)	A2581201	EPA VOA	1,4-Dichlorobenzene	14	UG/KG	U	U
A02-5812	OS/TP-1(6-7)	A2581201	EPA VOA	2-Butanone	14	UG/KG	U	U
A02-5812	OS/TP-1(6-7)	A2581201	EPA VOA	2-Hexanone	14	UG/KG	U	U
A02-5812	OS/TP-1(6-7)	A2581201	EPA VOA	4-Methyl-2-pentanone	14	UG/KG	U	U
A02-5812	OS/TP-1(6-7)	A2581201	EPA VOA	Acetone	14	UG/KG	BJ	U
A02-5812	OS/TP-1(6-7)	A2581201	EPA VOA	Benzene	14	UG/KG	U	U
A02-5812	OS/TP-1(6-7)	A2581201	EPA VOA	Bromodichloromethane	14	UG/KG	U	U
A02-5812	OS/TP-1(6-7)	A2581201	EPA VOA	Bromoform	14	UG/KG	U	U
A02-5812	OS/TP-1(6-7)	A2581201	EPA VOA	Bromomethane	14	UG/KG	U	U
A02-5812	OS/TP-1(6-7)	A2581201	EPA VOA	Carbon Disulfide	14	UG/KG	U	U
A02-5812	OS/TP-1(6-7)	A2581201	EPA VOA	Carbon Tetrachloride	14	UG/KG	U	U
A02-5812	OS/TP-1(6-7)	A2581201	EPA VOA	Chlorobenzene	14	UG/KG	U	U
A02-5812	OS/TP-1(6-7)	A2581201	EPA VOA	Chloroethane	14	UG/KG	U	U
A02-5812	OS/TP-1(6-7)	A2581201	EPA VOA	Chloroform	14	UG/KG	U	U
A02-5812	OS/TP-1(6-7)	A2581201	EPA VOA	Chloromethane	14	UG/KG	U	U
A02-5812	OS/TP-1(6-7)	A2581201	EPA VOA	cis-1,2-Dichloroethene	14	UG/KG	U	U
A02-5812	OS/TP-1(6-7)	A2581201	EPA VOA	cis-1,3-Dichloropropene	14	UG/KG	U	U
A02-5812	OS/TP-1(6-7)	A2581201	EPA VOA	Cyclohexane	14	UG/KG	U	U
A02-5812	OS/TP-1(6-7)	A2581201	EPA VOA	Dibromochloromethane	14	UG/KG	U	U
A02-5812	OS/TP-1(6-7)	A2581201	EPA VOA	Dichlorodifluoromethane	14	UG/KG	U	U
A02-5812	OS/TP-1(6-7)	A2581201	EPA VOA	Ethylbenzene	14	UG/KG	U	U
A02-5812	OS/TP-1(6-7)	A2581201	EPA VOA	Isopropylbenzene	14	UG/KG	U	U
A02-5812	OS/TP-1(6-7)	A2581201	EPA VOA	Methyl acetate	14	UG/KG	U	U
A02-5812	OS/TP-1(6-7)	A2581201	EPA VOA	Methyl tert butyl ether	14	UG/KG	U	U
A02-5812	OS/TP-1(6-7)	A2581201	EPA VOA	Methylcyclohexane	14	UG/KG	U	U
A02-5812	OS/TP-1(6-7)	A2581201	EPA VOA	Methylene chloride	20	UG/KG	B	U
A02-5812	OS/TP-1(6-7)	A2581201	EPA VOA	Styrene	14	UG/KG	U	U

JOBNO	CLIENTID	LABSAMPID	METHOD	PARAMETER	Result	UM	FLAGS	Final_Qualifier
A02-5812	OS/TP-1(6-7)	A2581201	EPA VOA	Tetrachloroethene	14	UG/KG	U	U
A02-5812	OS/TP-1(6-7)	A2581201	EPA VOA	Toluene	14	UG/KG	U	U
A02-5812	OS/TP-1(6-7)	A2581201	EPA VOA	Total Xylenes	14	UG/KG	U	U
A02-5812	OS/TP-1(6-7)	A2581201	EPA VOA	trans-1,2-Dichloroethene	14	UG/KG	U	U
A02-5812	OS/TP-1(6-7)	A2581201	EPA VOA	trans-1,3-Dichloropropene	14	UG/KG	U	U
A02-5812	OS/TP-1(6-7)	A2581201	EPA VOA	Trichloroethene	14	UG/KG	U	U
A02-5812	OS/TP-1(6-7)	A2581201	EPA VOA	Trichlorofluoromethane	14	UG/KG	U	U
A02-5812	OS/TP-1(6-7)	A2581201	EPA VOA	Vinyl chloride	14	UG/KG	U	U
A02-5812	OS/TP-2(6-7)	A2581203	9045	Leachable pH	7.18	S.U.		J
A02-5812	OS/TP-2(6-7)	A2581203	EPA VOA	1,1,1-Trichloroethane	14	UG/KG	U	U
A02-5812	OS/TP-2(6-7)	A2581203	EPA VOA	1,1,2,2-Tetrachloroethane	14	UG/KG	U	U
A02-5812	OS/TP-2(6-7)	A2581203	EPA VOA	1,1,2-Trichloro-1,2,2-trifluoroethane	14	UG/KG	U	U
A02-5812	OS/TP-2(6-7)	A2581203	EPA VOA	1,1,2-Trichloroethane	14	UG/KG	U	U
A02-5812	OS/TP-2(6-7)	A2581203	EPA VOA	1,1-Dichloroethane	6	UG/KG	J	J
A02-5812	OS/TP-2(6-7)	A2581203	EPA VOA	1,1-Dichloroethene	14	UG/KG	U	U
A02-5812	OS/TP-2(6-7)	A2581203	EPA VOA	1,2,4-Trichlorobenzene	14	UG/KG	U	U
A02-5812	OS/TP-2(6-7)	A2581203	EPA VOA	1,2-Dibromo-3-chloropropane	14	UG/KG	U	U
A02-5812	OS/TP-2(6-7)	A2581203	EPA VOA	1,2-Dibromoethane	14	UG/KG	U	U
A02-5812	OS/TP-2(6-7)	A2581203	EPA VOA	1,2-Dichlorobenzene	14	UG/KG	U	U
A02-5812	OS/TP-2(6-7)	A2581203	EPA VOA	1,2-Dichloroethane	14	UG/KG	U	U
A02-5812	OS/TP-2(6-7)	A2581203	EPA VOA	1,2-Dichloropropane	14	UG/KG	U	U
A02-5812	OS/TP-2(6-7)	A2581203	EPA VOA	1,3-Dichlorobenzene	14	UG/KG	U	U
A02-5812	OS/TP-2(6-7)	A2581203	EPA VOA	1,4-Dichlorobenzene	14	UG/KG	U	U
A02-5812	OS/TP-2(6-7)	A2581203	EPA VOA	2-Butanone	14	UG/KG	U	U
A02-5812	OS/TP-2(6-7)	A2581203	EPA VOA	2-Hexanone	14	UG/KG	U	U
A02-5812	OS/TP-2(6-7)	A2581203	EPA VOA	4-Methyl-2-pentanone	14	UG/KG	U	U
A02-5812	OS/TP-2(6-7)	A2581203	EPA VOA	Acetone	16	UG/KG		U
A02-5812	OS/TP-2(6-7)	A2581203	EPA VOA	Benzene	14	UG/KG	U	U
A02-5812	OS/TP-2(6-7)	A2581203	EPA VOA	Bromodichloromethane	14	UG/KG	U	U
A02-5812	OS/TP-2(6-7)	A2581203	EPA VOA	Bromoform	14	UG/KG	U	U
A02-5812	OS/TP-2(6-7)	A2581203	EPA VOA	Bromomethane	14	UG/KG	U	U
A02-5812	OS/TP-2(6-7)	A2581203	EPA VOA	Carbon Disulfide	14	UG/KG	U	U
A02-5812	OS/TP-2(6-7)	A2581203	EPA VOA	Carbon Tetrachloride	14	UG/KG	U	U
A02-5812	OS/TP-2(6-7)	A2581203	EPA VOA	Chlorobenzene	14	UG/KG	U	U
A02-5812	OS/TP-2(6-7)	A2581203	EPA VOA	Chloroethane	13	UG/KG	J	J
A02-5812	OS/TP-2(6-7)	A2581203	EPA VOA	Chloroform	14	UG/KG	U	U
A02-5812	OS/TP-2(6-7)	A2581203	EPA VOA	Chloromethane	14	UG/KG	U	U
A02-5812	OS/TP-2(6-7)	A2581203	EPA VOA	cis-1,2-Dichloroethene	14	UG/KG	U	U
A02-5812	OS/TP-2(6-7)	A2581203	EPA VOA	cis-1,3-Dichloropropene	14	UG/KG	U	U
A02-5812	OS/TP-2(6-7)	A2581203	EPA VOA	Cyclohexane	14	UG/KG	U	U
A02-5812	OS/TP-2(6-7)	A2581203	EPA VOA	Dibromochloromethane	14	UG/KG	U	U
A02-5812	OS/TP-2(6-7)	A2581203	EPA VOA	Dichlorodifluoromethane	14	UG/KG	U	U
A02-5812	OS/TP-2(6-7)	A2581203	EPA VOA	Ethylbenzene	14	UG/KG	U	U
A02-5812	OS/TP-2(6-7)	A2581203	EPA VOA	Isopropylbenzene	14	UG/KG	U	U

JOBNO	CLIENTID	LABSAMPID	METHOD	PARAMETER	Result	UM	FLAGS	Final_Qualifier
A02-5812	OS/TP-2(6-7)	A2581203	EPA VOA	Methyl acetate	14	UG/KG	U	U
A02-5812	OS/TP-2(6-7)	A2581203	EPA VOA	Methyl tert butyl ether	14	UG/KG	U	U
A02-5812	OS/TP-2(6-7)	A2581203	EPA VOA	Methylcyclohexane	14	UG/KG	U	U
A02-5812	OS/TP-2(6-7)	A2581203	EPA VOA	Methylene chloride	80	UG/KG	B	
A02-5812	OS/TP-2(6-7)	A2581203	EPA VOA	Styrene	14	UG/KG	U	U
A02-5812	OS/TP-2(6-7)	A2581203	EPA VOA	Tetrachloroethene	14	UG/KG	U	U
A02-5812	OS/TP-2(6-7)	A2581203	EPA VOA	Toluene	14	UG/KG	U	U
A02-5812	OS/TP-2(6-7)	A2581203	EPA VOA	Total Xylenes	14	UG/KG	U	U
A02-5812	OS/TP-2(6-7)	A2581203	EPA VOA	trans-1,2-Dichloroethene	14	UG/KG	U	U
A02-5812	OS/TP-2(6-7)	A2581203	EPA VOA	trans-1,3-Dichloropropene	14	UG/KG	U	U
A02-5812	OS/TP-2(6-7)	A2581203	EPA VOA	Trichloroethene	2	UG/KG	J	J
A02-5812	OS/TP-2(6-7)	A2581203	EPA VOA	Trichlorofluoromethane	14	UG/KG	U	U
A02-5812	OS/TP-2(6-7)	A2581203	EPA VOA	Vinyl chloride	14	UG/KG	U	U
A02-5812	OS/TP-2(GW)	A2581204	EPA VOA	1,1,1-Trichloroethane	58	UG/L		
A02-5812	OS/TP-2(GW)	A2581204	EPA VOA	1,1,2,2-Tetrachloroethane	10	UG/L	U	U
A02-5812	OS/TP-2(GW)	A2581204	EPA VOA	1,1,2-Trichloro-1,2,2-trifluoroethane	10	UG/L	U	U
A02-5812	OS/TP-2(GW)	A2581204	EPA VOA	1,1,2-Trichloroethane	10	UG/L	U	U
A02-5812	OS/TP-2(GW)	A2581204	EPA VOA	1,1-Dichloroethane	180	UG/L		
A02-5812	OS/TP-2(GW)	A2581204	EPA VOA	1,1-Dichloroethene	10	UG/L	U	U
A02-5812	OS/TP-2(GW)	A2581204	EPA VOA	1,2,4-Trichlorobenzene	10	UG/L	U	U
A02-5812	OS/TP-2(GW)	A2581204	EPA VOA	1,2-Dibromo-3-chloropropane	10	UG/L	U	U
A02-5812	OS/TP-2(GW)	A2581204	EPA VOA	1,2-Dibromoethane	10	UG/L	U	U
A02-5812	OS/TP-2(GW)	A2581204	EPA VOA	1,2-Dichlorobenzene	10	UG/L	U	U
A02-5812	OS/TP-2(GW)	A2581204	EPA VOA	1,2-Dichloroethane	10	UG/L	U	U
A02-5812	OS/TP-2(GW)	A2581204	EPA VOA	1,2-Dichloropropane	10	UG/L	U	U
A02-5812	OS/TP-2(GW)	A2581204	EPA VOA	1,3-Dichlorobenzene	10	UG/L	U	U
A02-5812	OS/TP-2(GW)	A2581204	EPA VOA	1,4-Dichlorobenzene	10	UG/L	U	U
A02-5812	OS/TP-2(GW)	A2581204	EPA VOA	2-Butanone	10	UG/L	U	U
A02-5812	OS/TP-2(GW)	A2581204	EPA VOA	2-Hexanone	10	UG/L	U	U
A02-5812	OS/TP-2(GW)	A2581204	EPA VOA	4-Methyl-2-pentanone	10	UG/L	U	U
A02-5812	OS/TP-2(GW)	A2581204	EPA VOA	Acetone	10	UG/L	J	U
A02-5812	OS/TP-2(GW)	A2581204	EPA VOA	Benzene	10	UG/L	U	U
A02-5812	OS/TP-2(GW)	A2581204	EPA VOA	Bromodichloromethane	10	UG/L	U	U
A02-5812	OS/TP-2(GW)	A2581204	EPA VOA	Bromoform	10	UG/L	U	U
A02-5812	OS/TP-2(GW)	A2581204	EPA VOA	Bromomethane	10	UG/L	U	U
A02-5812	OS/TP-2(GW)	A2581204	EPA VOA	Carbon Disulfide	10	UG/L	U	U
A02-5812	OS/TP-2(GW)	A2581204	EPA VOA	Carbon Tetrachloride	10	UG/L	U	U
A02-5812	OS/TP-2(GW)	A2581204	EPA VOA	Chlorobenzene	10	UG/L	U	U
A02-5812	OS/TP-2(GW)	A2581204	EPA VOA	Chloroethane	100	UG/L		
A02-5812	OS/TP-2(GW)	A2581204	EPA VOA	Chloroform	10	UG/L	U	U
A02-5812	OS/TP-2(GW)	A2581204	EPA VOA	Chloromethane	10	UG/L	U	U
A02-5812	OS/TP-2(GW)	A2581204	EPA VOA	cis-1,2-Dichloroethene	10	UG/L	U	U
A02-5812	OS/TP-2(GW)	A2581204	EPA VOA	cis-1,3-Dichloropropene	10	UG/L	U	U
A02-5812	OS/TP-2(GW)	A2581204	EPA VOA	Cyclohexane	10	UG/L	U	U

JOBNO	CLIENTID	LABSAMPID	METHOD	PARAMETER	Result	UM	FLAGS	Final_Qualifier
A02-5812	OS/TP-2(GW)	A2581204	EPA VOA	Dibromochloromethane	10	UG/L	U	U
A02-5812	OS/TP-2(GW)	A2581204	EPA VOA	Dichlorodifluoromethane	10	UG/L	U	U
A02-5812	OS/TP-2(GW)	A2581204	EPA VOA	Ethylbenzene	10	UG/L	U	U
A02-5812	OS/TP-2(GW)	A2581204	EPA VOA	Isopropylbenzene	10	UG/L	U	U
A02-5812	OS/TP-2(GW)	A2581204	EPA VOA	Methyl acetate	10	UG/L	U	U
A02-5812	OS/TP-2(GW)	A2581204	EPA VOA	Methyl tert butyl ether	10	UG/L	U	U
A02-5812	OS/TP-2(GW)	A2581204	EPA VOA	Methylcyclohexane	10	UG/L	U	U
A02-5812	OS/TP-2(GW)	A2581204	EPA VOA	Methylene chloride	10	UG/L	BJ	U
A02-5812	OS/TP-2(GW)	A2581204	EPA VOA	Styrene	10	UG/L	U	U
A02-5812	OS/TP-2(GW)	A2581204	EPA VOA	Tetrachloroethene	10	UG/L	U	U
A02-5812	OS/TP-2(GW)	A2581204	EPA VOA	Toluene	10	UG/L	U	U
A02-5812	OS/TP-2(GW)	A2581204	EPA VOA	Total Xylenes	10	UG/L	U	U
A02-5812	OS/TP-2(GW)	A2581204	EPA VOA	trans-1,2-Dichloroethene	10	UG/L	U	U
A02-5812	OS/TP-2(GW)	A2581204	EPA VOA	trans-1,3-Dichloropropene	10	UG/L	U	U
A02-5812	OS/TP-2(GW)	A2581204	EPA VOA	Trichloroethene	10	UG/L	U	U
A02-5812	OS/TP-2(GW)	A2581204	EPA VOA	Trichlorofluoromethane	10	UG/L	U	U
A02-5812	OS/TP-2(GW)	A2581204	EPA VOA	Vinyl chloride	10	UG/L	U	U
A02-5812	OS/TP-3(7-8)	A2581205	9045	Leachable pH	6.39	S.U.		J
A02-5812	OS/TP-3(7-8)	A2581205	EPA VOA	1,1,1-Trichloroethane	2	UG/KG	J	J
A02-5812	OS/TP-3(7-8)	A2581205	EPA VOA	1,1,2,2-Tetrachloroethane	20	UG/KG	U	U
A02-5812	OS/TP-3(7-8)	A2581205	EPA VOA	1,1,2-Trichloro-1,2,2-trifluoroethane	20	UG/KG	U	U
A02-5812	OS/TP-3(7-8)	A2581205	EPA VOA	1,1,2-Trichloroethane	20	UG/KG	U	U
A02-5812	OS/TP-3(7-8)	A2581205	EPA VOA	1,1-Dichloroethane	10	UG/KG	J	J
A02-5812	OS/TP-3(7-8)	A2581205	EPA VOA	1,1-Dichloroethene	20	UG/KG	U	U
A02-5812	OS/TP-3(7-8)	A2581205	EPA VOA	1,2,4-Trichlorobenzene	20	UG/KG	U	U
A02-5812	OS/TP-3(7-8)	A2581205	EPA VOA	1,2-Dibromo-3-chloropropane	20	UG/KG	U	U
A02-5812	OS/TP-3(7-8)	A2581205	EPA VOA	1,2-Dibromoethane	20	UG/KG	U	U
A02-5812	OS/TP-3(7-8)	A2581205	EPA VOA	1,2-Dichlorobenzene	20	UG/KG	U	U
A02-5812	OS/TP-3(7-8)	A2581205	EPA VOA	1,2-Dichloroethane	20	UG/KG	U	U
A02-5812	OS/TP-3(7-8)	A2581205	EPA VOA	1,2-Dichloropropane	20	UG/KG	U	U
A02-5812	OS/TP-3(7-8)	A2581205	EPA VOA	1,3-Dichlorobenzene	20	UG/KG	U	U
A02-5812	OS/TP-3(7-8)	A2581205	EPA VOA	1,4-Dichlorobenzene	20	UG/KG	U	U
A02-5812	OS/TP-3(7-8)	A2581205	EPA VOA	2-Butanone	20	UG/KG	U	U
A02-5812	OS/TP-3(7-8)	A2581205	EPA VOA	2-Hexanone	20	UG/KG	U	U
A02-5812	OS/TP-3(7-8)	A2581205	EPA VOA	4-Methyl-2-pentanone	20	UG/KG	U	U
A02-5812	OS/TP-3(7-8)	A2581205	EPA VOA	Acetone	21	UG/KG		U
A02-5812	OS/TP-3(7-8)	A2581205	EPA VOA	Benzene	2	UG/KG	J	J
A02-5812	OS/TP-3(7-8)	A2581205	EPA VOA	Bromodichloromethane	20	UG/KG	U	U
A02-5812	OS/TP-3(7-8)	A2581205	EPA VOA	Bromoform	20	UG/KG	U	U
A02-5812	OS/TP-3(7-8)	A2581205	EPA VOA	Bromomethane	20	UG/KG	U	U
A02-5812	OS/TP-3(7-8)	A2581205	EPA VOA	Carbon Disulfide	20	UG/KG	U	U
A02-5812	OS/TP-3(7-8)	A2581205	EPA VOA	Carbon Tetrachloride	20	UG/KG	U	U
A02-5812	OS/TP-3(7-8)	A2581205	EPA VOA	Chlorobenzene	20	UG/KG	U	U
A02-5812	OS/TP-3(7-8)	A2581205	EPA VOA	Chloroethane	130	UG/KG		

JOBNO	CLIENTID	LABSAMPID	METHOD	PARAMETER	Result	UM	FLAGS	Final_Qualifier
A02-5812	OS/TP-3(7-8)	A2581205	EPA VOA	Chloroform	20	UG/KG	U	U
A02-5812	OS/TP-3(7-8)	A2581205	EPA VOA	Chloromethane	20	UG/KG	U	U
A02-5812	OS/TP-3(7-8)	A2581205	EPA VOA	cis-1,2-Dichloroethene	20	UG/KG	U	U
A02-5812	OS/TP-3(7-8)	A2581205	EPA VOA	cis-1,3-Dichloropropene	20	UG/KG	U	U
A02-5812	OS/TP-3(7-8)	A2581205	EPA VOA	Cyclohexane	20	UG/KG	U	U
A02-5812	OS/TP-3(7-8)	A2581205	EPA VOA	Dibromochloromethane	20	UG/KG	U	U
A02-5812	OS/TP-3(7-8)	A2581205	EPA VOA	Dichlorodifluoromethane	20	UG/KG	U	U
A02-5812	OS/TP-3(7-8)	A2581205	EPA VOA	Ethylbenzene	6	UG/KG	J	J
A02-5812	OS/TP-3(7-8)	A2581205	EPA VOA	Isopropylbenzene	20	UG/KG	U	U
A02-5812	OS/TP-3(7-8)	A2581205	EPA VOA	Methyl acetate	20	UG/KG	U	U
A02-5812	OS/TP-3(7-8)	A2581205	EPA VOA	Methyl tert butyl ether	20	UG/KG	U	U
A02-5812	OS/TP-3(7-8)	A2581205	EPA VOA	Methylcyclohexane	20	UG/KG	U	U
A02-5812	OS/TP-3(7-8)	A2581205	EPA VOA	Methylene chloride	200	UG/KG	B	
A02-5812	OS/TP-3(7-8)	A2581205	EPA VOA	Styrene	20	UG/KG	U	U
A02-5812	OS/TP-3(7-8)	A2581205	EPA VOA	Tetrachloroethene	20	UG/KG	U	U
A02-5812	OS/TP-3(7-8)	A2581205	EPA VOA	Toluene	11	UG/KG	J	J
A02-5812	OS/TP-3(7-8)	A2581205	EPA VOA	Total Xylenes	58	UG/KG		
A02-5812	OS/TP-3(7-8)	A2581205	EPA VOA	trans-1,2-Dichloroethene	20	UG/KG	U	U
A02-5812	OS/TP-3(7-8)	A2581205	EPA VOA	trans-1,3-Dichloropropene	20	UG/KG	U	U
A02-5812	OS/TP-3(7-8)	A2581205	EPA VOA	Trichloroethene	20	UG/KG	U	U
A02-5812	OS/TP-3(7-8)	A2581205	EPA VOA	Trichlorofluoromethane	20	UG/KG	U	U
A02-5812	OS/TP-3(7-8)	A2581205	EPA VOA	Vinyl chloride	20	UG/KG	U	U
A02-5812	OS/TP-4(4-5)	A2581206	9045	Leachable pH	7.39	S.U.		J
A02-5812	OS/TP-4(4-5)	A2581206	EPA VOA	1,1,1-Trichloroethane	2	UG/KG	J	J
A02-5812	OS/TP-4(4-5)	A2581206	EPA VOA	1,1,2,2-Tetrachloroethane	15	UG/KG	U	U
A02-5812	OS/TP-4(4-5)	A2581206	EPA VOA	1,1,2-Trichloro-1,2,2-trifluoroethane	15	UG/KG	U	U
A02-5812	OS/TP-4(4-5)	A2581206	EPA VOA	1,1,2-Trichloroethane	15	UG/KG	U	U
A02-5812	OS/TP-4(4-5)	A2581206	EPA VOA	1,1-Dichloroethane	15	UG/KG	U	U
A02-5812	OS/TP-4(4-5)	A2581206	EPA VOA	1,1-Dichloroethene	15	UG/KG	U	U
A02-5812	OS/TP-4(4-5)	A2581206	EPA VOA	1,2,4-Trichlorobenzene	15	UG/KG	U	U
A02-5812	OS/TP-4(4-5)	A2581206	EPA VOA	1,2-Dibromo-3-chloropropane	15	UG/KG	U	U
A02-5812	OS/TP-4(4-5)	A2581206	EPA VOA	1,2-Dibromoethane	15	UG/KG	U	U
A02-5812	OS/TP-4(4-5)	A2581206	EPA VOA	1,2-Dichlorobenzene	15	UG/KG	U	U
A02-5812	OS/TP-4(4-5)	A2581206	EPA VOA	1,2-Dichloroethane	15	UG/KG	U	U
A02-5812	OS/TP-4(4-5)	A2581206	EPA VOA	1,2-Dichloropropane	15	UG/KG	U	U
A02-5812	OS/TP-4(4-5)	A2581206	EPA VOA	1,3-Dichlorobenzene	15	UG/KG	U	U
A02-5812	OS/TP-4(4-5)	A2581206	EPA VOA	1,4-Dichlorobenzene	15	UG/KG	U	U
A02-5812	OS/TP-4(4-5)	A2581206	EPA VOA	2-Butanone	15	UG/KG	U	U
A02-5812	OS/TP-4(4-5)	A2581206	EPA VOA	2-Hexanone	15	UG/KG	U	U
A02-5812	OS/TP-4(4-5)	A2581206	EPA VOA	4-Methyl-2-pentanone	15	UG/KG	U	U
A02-5812	OS/TP-4(4-5)	A2581206	EPA VOA	Acetone	15	UG/KG	J	U
A02-5812	OS/TP-4(4-5)	A2581206	EPA VOA	Benzene	15	UG/KG	U	U
A02-5812	OS/TP-4(4-5)	A2581206	EPA VOA	Bromodichloromethane	15	UG/KG	U	U
A02-5812	OS/TP-4(4-5)	A2581206	EPA VOA	Bromoform	15	UG/KG	U	U

JOBNO	CLIENTID	LABSAMPID	METHOD	PARAMETER	Result	UM	FLAGS	Final_Qualifier
A02-5812	OS/TP-4(4-5)	A2581206	EPA VOA	Bromomethane	15	UG/KG	U	U
A02-5812	OS/TP-4(4-5)	A2581206	EPA VOA	Carbon Disulfide	15	UG/KG	U	U
A02-5812	OS/TP-4(4-5)	A2581206	EPA VOA	Carbon Tetrachloride	15	UG/KG	U	U
A02-5812	OS/TP-4(4-5)	A2581206	EPA VOA	Chlorobenzene	15	UG/KG	U	U
A02-5812	OS/TP-4(4-5)	A2581206	EPA VOA	Chloroethane	15	UG/KG	U	U
A02-5812	OS/TP-4(4-5)	A2581206	EPA VOA	Chloroform	15	UG/KG	U	U
A02-5812	OS/TP-4(4-5)	A2581206	EPA VOA	Chloromethane	15	UG/KG	U	U
A02-5812	OS/TP-4(4-5)	A2581206	EPA VOA	cis-1,2-Dichloroethene	15	UG/KG	U	U
A02-5812	OS/TP-4(4-5)	A2581206	EPA VOA	cis-1,3-Dichloropropene	15	UG/KG	U	U
A02-5812	OS/TP-4(4-5)	A2581206	EPA VOA	Cyclohexane	15	UG/KG	U	U
A02-5812	OS/TP-4(4-5)	A2581206	EPA VOA	Dibromochloromethane	15	UG/KG	U	U
A02-5812	OS/TP-4(4-5)	A2581206	EPA VOA	Dichlorodifluoromethane	15	UG/KG	U	U
A02-5812	OS/TP-4(4-5)	A2581206	EPA VOA	Ethylbenzene	15	UG/KG	U	U
A02-5812	OS/TP-4(4-5)	A2581206	EPA VOA	Isopropylbenzene	15	UG/KG	U	U
A02-5812	OS/TP-4(4-5)	A2581206	EPA VOA	Methyl acetate	15	UG/KG	U	U
A02-5812	OS/TP-4(4-5)	A2581206	EPA VOA	Methyl tert butyl ether	15	UG/KG	U	U
A02-5812	OS/TP-4(4-5)	A2581206	EPA VOA	Methylcyclohexane	15	UG/KG	U	U
A02-5812	OS/TP-4(4-5)	A2581206	EPA VOA	Methylene chloride	54	UG/KG	B	U
A02-5812	OS/TP-4(4-5)	A2581206	EPA VOA	Styrene	15	UG/KG	U	U
A02-5812	OS/TP-4(4-5)	A2581206	EPA VOA	Tetrachloroethene	15	UG/KG	U	U
A02-5812	OS/TP-4(4-5)	A2581206	EPA VOA	Toluene	15	UG/KG	U	U
A02-5812	OS/TP-4(4-5)	A2581206	EPA VOA	Total Xylenes	15	UG/KG	U	U
A02-5812	OS/TP-4(4-5)	A2581206	EPA VOA	trans-1,2-Dichloroethene	15	UG/KG	U	U
A02-5812	OS/TP-4(4-5)	A2581206	EPA VOA	trans-1,3-Dichloropropene	15	UG/KG	U	U
A02-5812	OS/TP-4(4-5)	A2581206	EPA VOA	Trichloroethene	15	UG/KG	U	U
A02-5812	OS/TP-4(4-5)	A2581206	EPA VOA	Trichlorofluoromethane	15	UG/KG	U	U
A02-5812	OS/TP-4(4-5)	A2581206	EPA VOA	Vinyl chloride	15	UG/KG	U	U
A02-5812	OS/TP-5(4-5)	A2581207	9045	Leachable pH	6.89	S.U.		J
A02-5812	OS/TP-5(4-5)	A2581207	EPA VOA	1,1,1-Trichloroethane	20	UG/KG	U	U
A02-5812	OS/TP-5(4-5)	A2581207	EPA VOA	1,1,2,2-Tetrachloroethane	20	UG/KG	U	U
A02-5812	OS/TP-5(4-5)	A2581207	EPA VOA	1,1,2-Trichloro-1,2,2-trifluoroethane	20	UG/KG	U	U
A02-5812	OS/TP-5(4-5)	A2581207	EPA VOA	1,1,2-Trichloroethane	20	UG/KG	U	U
A02-5812	OS/TP-5(4-5)	A2581207	EPA VOA	1,1-Dichloroethane	20	UG/KG	U	U
A02-5812	OS/TP-5(4-5)	A2581207	EPA VOA	1,1-Dichloroethene	20	UG/KG	U	U
A02-5812	OS/TP-5(4-5)	A2581207	EPA VOA	1,2,4-Trichlorobenzene	20	UG/KG	U	U
A02-5812	OS/TP-5(4-5)	A2581207	EPA VOA	1,2-Dibromo-3-chloropropane	20	UG/KG	U	U
A02-5812	OS/TP-5(4-5)	A2581207	EPA VOA	1,2-Dibromoethane	20	UG/KG	U	U
A02-5812	OS/TP-5(4-5)	A2581207	EPA VOA	1,2-Dichlorobenzene	20	UG/KG	U	U
A02-5812	OS/TP-5(4-5)	A2581207	EPA VOA	1,2-Dichloroethane	20	UG/KG	U	U
A02-5812	OS/TP-5(4-5)	A2581207	EPA VOA	1,2-Dichloropropane	20	UG/KG	U	U
A02-5812	OS/TP-5(4-5)	A2581207	EPA VOA	1,3-Dichlorobenzene	20	UG/KG	U	U
A02-5812	OS/TP-5(4-5)	A2581207	EPA VOA	1,4-Dichlorobenzene	20	UG/KG	U	U
A02-5812	OS/TP-5(4-5)	A2581207	EPA VOA	2-Butanone	14	UG/KG	J	J
A02-5812	OS/TP-5(4-5)	A2581207	EPA VOA	2-Hexanone	20	UG/KG	U	U

JOBNO	CLIENTID	LABSAMPID	METHOD	PARAMETER	Result	UM	FLAGS	Final_Qualifier
A02-5812	OS/TP-5(4-5)	A2581207	EPA VOA	4-Methyl-2-pentanone	20	UG/KG	U	U
A02-5812	OS/TP-5(4-5)	A2581207	EPA VOA	Acetone	44	UG/KG	B	
A02-5812	OS/TP-5(4-5)	A2581207	EPA VOA	Benzene	20	UG/KG	U	U
A02-5812	OS/TP-5(4-5)	A2581207	EPA VOA	Bromodichloromethane	20	UG/KG	U	U
A02-5812	OS/TP-5(4-5)	A2581207	EPA VOA	Bromoform	20	UG/KG	U	U
A02-5812	OS/TP-5(4-5)	A2581207	EPA VOA	Bromomethane	20	UG/KG	U	U
A02-5812	OS/TP-5(4-5)	A2581207	EPA VOA	Carbon Disulfide	20	UG/KG	U	U
A02-5812	OS/TP-5(4-5)	A2581207	EPA VOA	Carbon Tetrachloride	20	UG/KG	U	U
A02-5812	OS/TP-5(4-5)	A2581207	EPA VOA	Chlorobenzene	20	UG/KG	U	U
A02-5812	OS/TP-5(4-5)	A2581207	EPA VOA	Chloroethane	7	UG/KG	J	J
A02-5812	OS/TP-5(4-5)	A2581207	EPA VOA	Chloroform	20	UG/KG	U	U
A02-5812	OS/TP-5(4-5)	A2581207	EPA VOA	Chloromethane	20	UG/KG	U	U
A02-5812	OS/TP-5(4-5)	A2581207	EPA VOA	cis-1,2-Dichloroethene	20	UG/KG	U	U
A02-5812	OS/TP-5(4-5)	A2581207	EPA VOA	cis-1,3-Dichloropropene	20	UG/KG	U	U
A02-5812	OS/TP-5(4-5)	A2581207	EPA VOA	Cyclohexane	20	UG/KG	U	U
A02-5812	OS/TP-5(4-5)	A2581207	EPA VOA	Dibromochloromethane	20	UG/KG	U	U
A02-5812	OS/TP-5(4-5)	A2581207	EPA VOA	Dichlorodifluoromethane	20	UG/KG	U	U
A02-5812	OS/TP-5(4-5)	A2581207	EPA VOA	Ethylbenzene	20	UG/KG	U	U
A02-5812	OS/TP-5(4-5)	A2581207	EPA VOA	Isopropylbenzene	20	UG/KG	U	U
A02-5812	OS/TP-5(4-5)	A2581207	EPA VOA	Methyl acetate	20	UG/KG	U	U
A02-5812	OS/TP-5(4-5)	A2581207	EPA VOA	Methyl tert butyl ether	20	UG/KG	U	U
A02-5812	OS/TP-5(4-5)	A2581207	EPA VOA	Methylcyclohexane	20	UG/KG	U	U
A02-5812	OS/TP-5(4-5)	A2581207	EPA VOA	Methylene chloride	31	UG/KG	B	U
A02-5812	OS/TP-5(4-5)	A2581207	EPA VOA	Styrene	20	UG/KG	U	U
A02-5812	OS/TP-5(4-5)	A2581207	EPA VOA	Tetrachloroethene	20	UG/KG	U	U
A02-5812	OS/TP-5(4-5)	A2581207	EPA VOA	Toluene	2	UG/KG	J	J
A02-5812	OS/TP-5(4-5)	A2581207	EPA VOA	Total Xylenes	20	UG/KG	U	U
A02-5812	OS/TP-5(4-5)	A2581207	EPA VOA	trans-1,2-Dichloroethene	20	UG/KG	U	U
A02-5812	OS/TP-5(4-5)	A2581207	EPA VOA	trans-1,3-Dichloropropene	20	UG/KG	U	U
A02-5812	OS/TP-5(4-5)	A2581207	EPA VOA	Trichloroethene	20	UG/KG	U	U
A02-5812	OS/TP-5(4-5)	A2581207	EPA VOA	Trichlorofluoromethane	20	UG/KG	U	U
A02-5812	OS/TP-5(4-5)	A2581207	EPA VOA	Vinyl chloride	20	UG/KG	U	U
A02-5812	CSX-SW-1	A2581208	EPA VOA	1,1,1-Trichloroethane	10	UG/L	U	U
A02-5812	CSX-SW-1	A2581208	EPA VOA	1,1,2,2-Tetrachloroethane	10	UG/L	U	U
A02-5812	CSX-SW-1	A2581208	EPA VOA	1,1,2-Trichloro-1,2,2-trifluoroethane	1	UG/L	J	J
A02-5812	CSX-SW-1	A2581208	EPA VOA	1,1,2-Trichloroethane	10	UG/L	U	U
A02-5812	CSX-SW-1	A2581208	EPA VOA	1,1-Dichloroethane	10	UG/L	U	U
A02-5812	CSX-SW-1	A2581208	EPA VOA	1,1-Dichloroethene	10	UG/L	U	U
A02-5812	CSX-SW-1	A2581208	EPA VOA	1,2,4-Trichlorobenzene	10	UG/L	U	U
A02-5812	CSX-SW-1	A2581208	EPA VOA	1,2-Dibromo-3-chloropropane	10	UG/L	U	U
A02-5812	CSX-SW-1	A2581208	EPA VOA	1,2-Dibromoethane	10	UG/L	U	U
A02-5812	CSX-SW-1	A2581208	EPA VOA	1,2-Dichlorobenzene	10	UG/L	U	U
A02-5812	CSX-SW-1	A2581208	EPA VOA	1,2-Dichloroethane	10	UG/L	U	U
A02-5812	CSX-SW-1	A2581208	EPA VOA	1,2-Dichloropropane	10	UG/L	U	U

JOBNO	CLIENTID	LABSAMPID	METHOD	PARAMETER	Result	UM	FLAGS	Final_Qualifier
A02-5812	CSX-SW-1	A2581208	EPA VOA	1,3-Dichlorobenzene	10	UG/L	U	U
A02-5812	CSX-SW-1	A2581208	EPA VOA	1,4-Dichlorobenzene	10	UG/L	U	U
A02-5812	CSX-SW-1	A2581208	EPA VOA	2-Butanone	1	UG/L	J	J
A02-5812	CSX-SW-1	A2581208	EPA VOA	2-Hexanone	10	UG/L	U	U
A02-5812	CSX-SW-1	A2581208	EPA VOA	4-Methyl-2-pentanone	10	UG/L	U	U
A02-5812	CSX-SW-1	A2581208	EPA VOA	Acetone	10	UG/L	B	U
A02-5812	CSX-SW-1	A2581208	EPA VOA	Benzene	10	UG/L	U	U
A02-5812	CSX-SW-1	A2581208	EPA VOA	Bromodichloromethane	6	UG/L	J	J
A02-5812	CSX-SW-1	A2581208	EPA VOA	Bromoform	10	UG/L	U	U
A02-5812	CSX-SW-1	A2581208	EPA VOA	Bromomethane	10	UG/L	U	U
A02-5812	CSX-SW-1	A2581208	EPA VOA	Carbon Disulfide	10	UG/L	U	U
A02-5812	CSX-SW-1	A2581208	EPA VOA	Carbon Tetrachloride	10	UG/L	U	U
A02-5812	CSX-SW-1	A2581208	EPA VOA	Chlorobenzene	10	UG/L	U	U
A02-5812	CSX-SW-1	A2581208	EPA VOA	Chloroethane	10	UG/L	U	U
A02-5812	CSX-SW-1	A2581208	EPA VOA	Chloroform	11	UG/L		
A02-5812	CSX-SW-1	A2581208	EPA VOA	Chloromethane	10	UG/L	U	U
A02-5812	CSX-SW-1	A2581208	EPA VOA	cis-1,2-Dichloroethene	10	UG/L	U	U
A02-5812	CSX-SW-1	A2581208	EPA VOA	cis-1,3-Dichloropropene	10	UG/L	U	U
A02-5812	CSX-SW-1	A2581208	EPA VOA	Cyclohexane	10	UG/L	U	U
A02-5812	CSX-SW-1	A2581208	EPA VOA	Dibromochloromethane	2	UG/L	J	J
A02-5812	CSX-SW-1	A2581208	EPA VOA	Dichlorodifluoromethane	10	UG/L	U	U
A02-5812	CSX-SW-1	A2581208	EPA VOA	Ethylbenzene	10	UG/L	U	U
A02-5812	CSX-SW-1	A2581208	EPA VOA	Isopropylbenzene	10	UG/L	U	U
A02-5812	CSX-SW-1	A2581208	EPA VOA	Methyl acetate	10	UG/L	U	U
A02-5812	CSX-SW-1	A2581208	EPA VOA	Methyl tert butyl ether	10	UG/L	U	U
A02-5812	CSX-SW-1	A2581208	EPA VOA	Methylcyclohexane	10	UG/L	U	U
A02-5812	CSX-SW-1	A2581208	EPA VOA	Methylene chloride	10	UG/L	BJ	U
A02-5812	CSX-SW-1	A2581208	EPA VOA	Styrene	10	UG/L	U	U
A02-5812	CSX-SW-1	A2581208	EPA VOA	Tetrachloroethene	10	UG/L	U	U
A02-5812	CSX-SW-1	A2581208	EPA VOA	Toluene	6	UG/L	J	J
A02-5812	CSX-SW-1	A2581208	EPA VOA	Total Xylenes	10	UG/L	U	U
A02-5812	CSX-SW-1	A2581208	EPA VOA	trans-1,2-Dichloroethene	10	UG/L	U	U
A02-5812	CSX-SW-1	A2581208	EPA VOA	trans-1,3-Dichloropropene	10	UG/L	U	U
A02-5812	CSX-SW-1	A2581208	EPA VOA	Trichloroethene	10	UG/L	U	U
A02-5812	CSX-SW-1	A2581208	EPA VOA	Trichlorofluoromethane	10	UG/L	U	U
A02-5812	CSX-SW-1	A2581208	EPA VOA	Vinyl chloride	10	UG/L	U	U
A02-5812	AREA A (0-4)	A2581209	1010	Flashpoint	200	°F	U	U
A02-5812	AREA A (0-4)	A2581209	6010	Arsenic - Total	7	UG/L	U	U
A02-5812	AREA A (0-4)	A2581209	6010	Barium - Total	7750	UG/L	E	J
A02-5812	AREA A (0-4)	A2581209	6010	Cadmium - Total	7.9	UG/L		
A02-5812	AREA A (0-4)	A2581209	6010	Chromium - Total	4.2	UG/L		
A02-5812	AREA A (0-4)	A2581209	6010	Lead - Total	177	UG/L	E	J
A02-5812	AREA A (0-4)	A2581209	6010	Selenium - Total	10	UG/L	U	U
A02-5812	AREA A (0-4)	A2581209	6010	Silver - Total	3	UG/L	U	U

JOBNO	CLIENTID	LABSAMPID	METHOD	PARAMETER	Result	UM	FLAGS	Final_Qualifier
A02-5812	AREA A (0-4)	A2581209	7470	Mercury - Total	0.2	UG/L	U	U
A02-5812	AREA A (0-4)	A2581209	8081	Chlordane	0.5	UG/L	U	U
A02-5812	AREA A (0-4)	A2581209	8081	Endrin	0.2	UG/L	U	U
A02-5812	AREA A (0-4)	A2581209	8081	gamma-BHC (Lindane)	0.2	UG/L	U	U
A02-5812	AREA A (0-4)	A2581209	8081	Heptachlor	0.2	UG/L	U	U
A02-5812	AREA A (0-4)	A2581209	8081	Heptachlor epoxide	0.2	UG/L	U	U
A02-5812	AREA A (0-4)	A2581209	8081	Methoxychlor	0.2	UG/L	U	U
A02-5812	AREA A (0-4)	A2581209	8081	Toxaphene	1	UG/L	U	U
A02-5812	AREA A (0-4)	A2581209	8151	2,4,5-TP (Silvex)	0.002	MG/L	U	U
A02-5812	AREA A (0-4)	A2581209	8151	2,4-D	0.002	MG/L	U	U
A02-5812	AREA A (0-4)	A2581209	8260/5ML	1,1-Dichloroethene	0.05	MG/L	U	U
A02-5812	AREA A (0-4)	A2581209	8260/5ML	1,2-Dichloroethane	0.05	MG/L	U	U
A02-5812	AREA A (0-4)	A2581209	8260/5ML	2-Butanone	0.1	MG/L	U	U
A02-5812	AREA A (0-4)	A2581209	8260/5ML	Benzene	0.05	MG/L	U	U
A02-5812	AREA A (0-4)	A2581209	8260/5ML	Carbon Tetrachloride	0.05	MG/L	U	U
A02-5812	AREA A (0-4)	A2581209	8260/5ML	Chlorobenzene	0.05	MG/L	U	U
A02-5812	AREA A (0-4)	A2581209	8260/5ML	Chloroform	0.05	MG/L	U	U
A02-5812	AREA A (0-4)	A2581209	8260/5ML	Tetrachloroethene	0.05	MG/L	U	U
A02-5812	AREA A (0-4)	A2581209	8260/5ML	Trichloroethene	0.05	MG/L	U	U
A02-5812	AREA A (0-4)	A2581209	8260/5ML	Vinyl chloride	0.05	MG/L	U	U
A02-5812	AREA A (0-4)	A2581209	8270	1,4-Dichlorobenzene	0.04	MG/L	U	U
A02-5812	AREA A (0-4)	A2581209	8270	2,4,5-Trichlorophenol	0.04	MG/L	U	U
A02-5812	AREA A (0-4)	A2581209	8270	2,4,6-Trichlorophenol	0.04	MG/L	U	U
A02-5812	AREA A (0-4)	A2581209	8270	2,4-Dinitrotoluene	0.04	MG/L	U	U
A02-5812	AREA A (0-4)	A2581209	8270	2-Methylphenol	0.04	MG/L	U	U
A02-5812	AREA A (0-4)	A2581209	8270	3-Methylphenol	0.04	MG/L	U	U
A02-5812	AREA A (0-4)	A2581209	8270	4-Methylphenol	0.04	MG/L	U	U
A02-5812	AREA A (0-4)	A2581209	8270	Hexachlorobenzene	0.04	MG/L	U	U
A02-5812	AREA A (0-4)	A2581209	8270	Hexachlorobutadiene	0.04	MG/L	U	U
A02-5812	AREA A (0-4)	A2581209	8270	Hexachloroethane	0.04	MG/L	U	U
A02-5812	AREA A (0-4)	A2581209	8270	Nitrobenzene	0.04	MG/L	U	U
A02-5812	AREA A (0-4)	A2581209	8270	Pentachlorophenol	0.2	MG/L	U	U
A02-5812	AREA A (0-4)	A2581209	8270	Pyridine	0.1	MG/L	U	U
A02-5812	AREA A (0-4)	A2581209	9045	Corrosivity (pH)	7.59	S.U.		J
A02-5812	AREA A (0-4)	A2581209	9045	Leachable pH	7.53	S.U.		J
A02-5812	AREA A (0-4)	A2581209	9095	Paint Filter Test	0	P/F		
A02-5812	AREA A (0-4)	A2581209	CLP-WC	Cyanide - Total	0.5	MG/KG	U	U
A02-5812	AREA A (0-4)	A2581209	D-482-80	Ash Content	2.7	%		
A02-5812	AREA A (0-4)	A2581209	SECT7.3	H2S Released From Waste	10	MG/KG	U	U
A02-5812	AREA B (0-4)	A2581210	1010	Flashpoint	200	°F	U	U
A02-5812	AREA B (0-4)	A2581210	6010	Arsenic - Total	30.1	UG/L		
A02-5812	AREA B (0-4)	A2581210	6010	Barium - Total	13300	UG/L	E	J
A02-5812	AREA B (0-4)	A2581210	6010	Cadmium - Total	7.1	UG/L		
A02-5812	AREA B (0-4)	A2581210	6010	Chromium - Total	7	UG/L		

JOBNO	CLIENTID	LABSAMPID	METHOD	PARAMETER	Result	UM	FLAGS	Final_Qualifier
A02-5812	AREA B (0-4)	A2581210	6010	Lead - Total	2020	UG/L	E	J
A02-5812	AREA B (0-4)	A2581210	6010	Selenium - Total	10	UG/L	U	U
A02-5812	AREA B (0-4)	A2581210	6010	Silver - Total	3	UG/L	U	U
A02-5812	AREA B (0-4)	A2581210	7470	Mercury - Total	0.2	UG/L	U	U
A02-5812	AREA B (0-4)	A2581210	8081	Chlordane	0.5	UG/L	U	U
A02-5812	AREA B (0-4)	A2581210	8081	Endrin	0.2	UG/L	U	U
A02-5812	AREA B (0-4)	A2581210	8081	gamma-BHC (Lindane)	0.2	UG/L	U	U
A02-5812	AREA B (0-4)	A2581210	8081	Heptachlor	0.2	UG/L	U	U
A02-5812	AREA B (0-4)	A2581210	8081	Heptachlor epoxide	0.2	UG/L	U	U
A02-5812	AREA B (0-4)	A2581210	8081	Methoxychlor	0.2	UG/L	U	U
A02-5812	AREA B (0-4)	A2581210	8081	Toxaphene	1	UG/L	U	U
A02-5812	AREA B (0-4)	A2581210	8151	2,4,5-TP (Silvex)	0.002	MG/L	U	U
A02-5812	AREA B (0-4)	A2581210	8151	2,4-D	0.002	MG/L	U	U
A02-5812	AREA B (0-4)	A2581210	8260/5ML	1,1-Dichloroethene	0.05	MG/L	U	U
A02-5812	AREA B (0-4)	A2581210	8260/5ML	1,2-Dichloroethane	0.05	MG/L	U	U
A02-5812	AREA B (0-4)	A2581210	8260/5ML	2-Butanone	0.1	MG/L	U	U
A02-5812	AREA B (0-4)	A2581210	8260/5ML	Benzene	0.05	MG/L	U	U
A02-5812	AREA B (0-4)	A2581210	8260/5ML	Carbon Tetrachloride	0.05	MG/L	U	U
A02-5812	AREA B (0-4)	A2581210	8260/5ML	Chlorobenzene	0.05	MG/L	U	U
A02-5812	AREA B (0-4)	A2581210	8260/5ML	Chloroform	0.05	MG/L	U	U
A02-5812	AREA B (0-4)	A2581210	8260/5ML	Tetrachloroethene	0.05	MG/L	U	U
A02-5812	AREA B (0-4)	A2581210	8260/5ML	Trichloroethene	0.05	MG/L	U	U
A02-5812	AREA B (0-4)	A2581210	8260/5ML	Vinyl chloride	0.05	MG/L	U	U
A02-5812	AREA B (0-4)	A2581210	8270	1,4-Dichlorobenzene	0.04	MG/L	U	U
A02-5812	AREA B (0-4)	A2581210	8270	2,4,5-Trichlorophenol	0.04	MG/L	U	U
A02-5812	AREA B (0-4)	A2581210	8270	2,4,6-Trichlorophenol	0.04	MG/L	U	U
A02-5812	AREA B (0-4)	A2581210	8270	2,4-Dinitrotoluene	0.04	MG/L	U	U
A02-5812	AREA B (0-4)	A2581210	8270	2-Methylphenol	0.068	MG/L		
A02-5812	AREA B (0-4)	A2581210	8270	3-Methylphenol	0.061	MG/L		
A02-5812	AREA B (0-4)	A2581210	8270	4-Methylphenol	0.061	MG/L		
A02-5812	AREA B (0-4)	A2581210	8270	Hexachlorobenzene	0.04	MG/L	U	U
A02-5812	AREA B (0-4)	A2581210	8270	Hexachlorobutadiene	0.04	MG/L	U	U
A02-5812	AREA B (0-4)	A2581210	8270	Hexachloroethane	0.04	MG/L	U	U
A02-5812	AREA B (0-4)	A2581210	8270	Nitrobenzene	0.04	MG/L	U	U
A02-5812	AREA B (0-4)	A2581210	8270	Pentachlorophenol	0.2	MG/L	U	U
A02-5812	AREA B (0-4)	A2581210	8270	Pyridine	0.1	MG/L	U	U
A02-5812	AREA B (0-4)	A2581210	9045	Corrosivity (pH)	6.88	S.U.		J
A02-5812	AREA B (0-4)	A2581210	9045	Leachable pH	6.95	S.U.		J
A02-5812	AREA B (0-4)	A2581210	9095	Paint Filter Test	0	P/F		
A02-5812	AREA B (0-4)	A2581210	CLP-WC	Cyanide - Total	1.6	MG/KG		
A02-5812	AREA B (0-4)	A2581210	D-482-80	Ash Content	3.8	%		
A02-5812	AREA B (0-4)	A2581210	SECT7.3	H2S Released From Waste	10	MG/KG	U	U
A02-5812	AREA C (0-4)	A2581211	1010	Flashpoint	200	°F	U	U
A02-5812	AREA C (0-4)	A2581211	6010	Arsenic - Total	13.4	UG/L		

JOBNO	CLIENTID	LABSAMPID	METHOD	PARAMETER	Result	UM	FLAGS	Final_Qualifier
A02-5812	AREA C (0-4)	A2581211	6010	Barium - Total	6030	UG/L	E	J
A02-5812	AREA C (0-4)	A2581211	6010	Cadmium - Total	11.8	UG/L		
A02-5812	AREA C (0-4)	A2581211	6010	Chromium - Total	4	UG/L		
A02-5812	AREA C (0-4)	A2581211	6010	Lead - Total	1970	UG/L	E	J
A02-5812	AREA C (0-4)	A2581211	6010	Selenium - Total	10	UG/L	U	U
A02-5812	AREA C (0-4)	A2581211	6010	Silver - Total	3	UG/L	U	U
A02-5812	AREA C (0-4)	A2581211	7470	Mercury - Total	0.2	UG/L	U	U
A02-5812	AREA C (0-4)	A2581211	8081	Chlordane	0.5	UG/L	U	U
A02-5812	AREA C (0-4)	A2581211	8081	Endrin	0.2	UG/L	U	U
A02-5812	AREA C (0-4)	A2581211	8081	gamma-BHC (Lindane)	0.2	UG/L	U	U
A02-5812	AREA C (0-4)	A2581211	8081	Heptachlor	0.2	UG/L	U	U
A02-5812	AREA C (0-4)	A2581211	8081	Heptachlor epoxide	0.2	UG/L	U	U
A02-5812	AREA C (0-4)	A2581211	8081	Methoxychlor	0.2	UG/L	U	U
A02-5812	AREA C (0-4)	A2581211	8081	Toxaphene	1	UG/L	U	U
A02-5812	AREA C (0-4)	A2581211	8151	2,4,5-TP (Silvex)	0.002	MG/L	U	U
A02-5812	AREA C (0-4)	A2581211	8151	2,4-D	0.002	MG/L	U	U
A02-5812	AREA C (0-4)	A2581211	8260/5ML	1,1-Dichloroethene	0.05	MG/L	U	U
A02-5812	AREA C (0-4)	A2581211	8260/5ML	1,2-Dichloroethane	0.05	MG/L	U	U
A02-5812	AREA C (0-4)	A2581211	8260/5ML	2-Butanone	0.1	MG/L	U	U
A02-5812	AREA C (0-4)	A2581211	8260/5ML	Benzene	0.05	MG/L	U	U
A02-5812	AREA C (0-4)	A2581211	8260/5ML	Carbon Tetrachloride	0.05	MG/L	U	U
A02-5812	AREA C (0-4)	A2581211	8260/5ML	Chlorobenzene	0.05	MG/L	U	U
A02-5812	AREA C (0-4)	A2581211	8260/5ML	Chloroform	0.05	MG/L	U	U
A02-5812	AREA C (0-4)	A2581211	8260/5ML	Tetrachloroethene	0.05	MG/L	U	U
A02-5812	AREA C (0-4)	A2581211	8260/5ML	Trichloroethene	0.05	MG/L	U	U
A02-5812	AREA C (0-4)	A2581211	8260/5ML	Vinyl chloride	0.05	MG/L	U	U
A02-5812	AREA C (0-4)	A2581211	8270	1,4-Dichlorobenzene	0.04	MG/L	U	U
A02-5812	AREA C (0-4)	A2581211	8270	2,4,5-Trichlorophenol	0.04	MG/L	U	U
A02-5812	AREA C (0-4)	A2581211	8270	2,4,6-Trichlorophenol	0.04	MG/L	U	U
A02-5812	AREA C (0-4)	A2581211	8270	2,4-Dinitrotoluene	0.04	MG/L	U	U
A02-5812	AREA C (0-4)	A2581211	8270	2-Methylphenol	0.1	MG/L		
A02-5812	AREA C (0-4)	A2581211	8270	3-Methylphenol	0.1	MG/L		
A02-5812	AREA C (0-4)	A2581211	8270	4-Methylphenol	0.1	MG/L		
A02-5812	AREA C (0-4)	A2581211	8270	Hexachlorobenzene	0.04	MG/L	U	U
A02-5812	AREA C (0-4)	A2581211	8270	Hexachlorobutadiene	0.04	MG/L	U	U
A02-5812	AREA C (0-4)	A2581211	8270	Hexachloroethane	0.04	MG/L	U	U
A02-5812	AREA C (0-4)	A2581211	8270	Nitrobenzene	0.04	MG/L	U	U
A02-5812	AREA C (0-4)	A2581211	8270	Pentachlorophenol	0.2	MG/L	U	U
A02-5812	AREA C (0-4)	A2581211	8270	Pyridine	0.1	MG/L	U	U
A02-5812	AREA C (0-4)	A2581211	9045	Corrosivity (pH)	7.07	S.U.		J
A02-5812	AREA C (0-4)	A2581211	9045	Leachable pH	7.08	S.U.		J
A02-5812	AREA C (0-4)	A2581211	9095	Paint Filter Test	0	P/F		
A02-5812	AREA C (0-4)	A2581211	CLP-WC	Cyanide - Total	0.5	MG/KG	U	U
A02-5812	AREA C (0-4)	A2581211	D-482-80	Ash Content	8.4	%		

JOBNO	CLIENTID	LABSAMPID	METHOD	PARAMETER	Result	UM	FLAGS	Final_Qualifier
A02-5812	AREA C (0-4)	A2581211	SECT7.3	H2S Released From Waste	10	MG/KG	U	U
A02-5812	TRIP BLANK	A2581213	EPA VOA	1,1,1-Trichloroethane	10	UG/L	U	U
A02-5812	TRIP BLANK	A2581213	EPA VOA	1,1,2,2-Tetrachloroethane	10	UG/L	U	U
A02-5812	TRIP BLANK	A2581213	EPA VOA	1,1,2-Trichloro-1,2,2-trifluoroethane	10	UG/L	U	U
A02-5812	TRIP BLANK	A2581213	EPA VOA	1,1,2-Trichloroethane	10	UG/L	U	U
A02-5812	TRIP BLANK	A2581213	EPA VOA	1,1-Dichloroethane	10	UG/L	U	U
A02-5812	TRIP BLANK	A2581213	EPA VOA	1,1-Dichloroethene	10	UG/L	U	U
A02-5812	TRIP BLANK	A2581213	EPA VOA	1,2,4-Trichlorobenzene	10	UG/L	U	U
A02-5812	TRIP BLANK	A2581213	EPA VOA	1,2-Dibromo-3-chloropropane	10	UG/L	U	U
A02-5812	TRIP BLANK	A2581213	EPA VOA	1,2-Dibromoethane	10	UG/L	U	U
A02-5812	TRIP BLANK	A2581213	EPA VOA	1,2-Dichlorobenzene	10	UG/L	U	U
A02-5812	TRIP BLANK	A2581213	EPA VOA	1,2-Dichloroethane	10	UG/L	U	U
A02-5812	TRIP BLANK	A2581213	EPA VOA	1,2-Dichloropropane	10	UG/L	U	U
A02-5812	TRIP BLANK	A2581213	EPA VOA	1,3-Dichlorobenzene	10	UG/L	U	U
A02-5812	TRIP BLANK	A2581213	EPA VOA	1,4-Dichlorobenzene	10	UG/L	U	U
A02-5812	TRIP BLANK	A2581213	EPA VOA	2-Butanone	10	UG/L	U	U
A02-5812	TRIP BLANK	A2581213	EPA VOA	2-Hexanone	10	UG/L	U	U
A02-5812	TRIP BLANK	A2581213	EPA VOA	4-Methyl-2-pentanone	10	UG/L	U	U
A02-5812	TRIP BLANK	A2581213	EPA VOA	Acetone	3	UG/L	J	J
A02-5812	TRIP BLANK	A2581213	EPA VOA	Benzene	10	UG/L	U	U
A02-5812	TRIP BLANK	A2581213	EPA VOA	Bromodichloromethane	10	UG/L	U	U
A02-5812	TRIP BLANK	A2581213	EPA VOA	Bromoform	10	UG/L	U	U
A02-5812	TRIP BLANK	A2581213	EPA VOA	Bromomethane	10	UG/L	U	U
A02-5812	TRIP BLANK	A2581213	EPA VOA	Carbon Disulfide	10	UG/L	U	U
A02-5812	TRIP BLANK	A2581213	EPA VOA	Carbon Tetrachloride	10	UG/L	U	U
A02-5812	TRIP BLANK	A2581213	EPA VOA	Chlorobenzene	10	UG/L	U	U
A02-5812	TRIP BLANK	A2581213	EPA VOA	Chloroethane	10	UG/L	U	U
A02-5812	TRIP BLANK	A2581213	EPA VOA	Chloroform	10	UG/L	U	U
A02-5812	TRIP BLANK	A2581213	EPA VOA	Chloromethane	10	UG/L	U	U
A02-5812	TRIP BLANK	A2581213	EPA VOA	cis-1,2-Dichloroethene	10	UG/L	U	U
A02-5812	TRIP BLANK	A2581213	EPA VOA	cis-1,3-Dichloropropene	10	UG/L	U	U
A02-5812	TRIP BLANK	A2581213	EPA VOA	Cyclohexane	10	UG/L	U	U
A02-5812	TRIP BLANK	A2581213	EPA VOA	Dibromochloromethane	10	UG/L	U	U
A02-5812	TRIP BLANK	A2581213	EPA VOA	Dichlorodifluoromethane	10	UG/L	U	U
A02-5812	TRIP BLANK	A2581213	EPA VOA	Ethylbenzene	10	UG/L	U	U
A02-5812	TRIP BLANK	A2581213	EPA VOA	Isopropylbenzene	10	UG/L	U	U
A02-5812	TRIP BLANK	A2581213	EPA VOA	Methyl acetate	10	UG/L	U	U
A02-5812	TRIP BLANK	A2581213	EPA VOA	Methyl tert butyl ether	10	UG/L	U	U
A02-5812	TRIP BLANK	A2581213	EPA VOA	Methylcyclohexane	10	UG/L	U	U
A02-5812	TRIP BLANK	A2581213	EPA VOA	Methylene chloride	2	UG/L	BJ	BJ
A02-5812	TRIP BLANK	A2581213	EPA VOA	Styrene	10	UG/L	U	U
A02-5812	TRIP BLANK	A2581213	EPA VOA	Tetrachloroethene	10	UG/L	U	U
A02-5812	TRIP BLANK	A2581213	EPA VOA	Toluene	10	UG/L	U	U
A02-5812	TRIP BLANK	A2581213	EPA VOA	Total Xylenes	10	UG/L	U	U

JOBNO	CLIENTID	LABSAMPID	METHOD	PARAMETER	Result	UM	FLAGS	Final_Qualifier
A02-5812	TRIP BLANK	A2581213	EPA VOA	trans-1,2-Dichloroethene	10	UG/L	U	U
A02-5812	TRIP BLANK	A2581213	EPA VOA	trans-1,3-Dichloropropene	10	UG/L	U	U
A02-5812	TRIP BLANK	A2581213	EPA VOA	Trichloroethene	10	UG/L	U	U
A02-5812	TRIP BLANK	A2581213	EPA VOA	Trichlorofluoromethane	10	UG/L	U	U
A02-5812	TRIP BLANK	A2581213	EPA VOA	Vinyl chloride	10	UG/L	U	U

APPENDIX C

TEST PIT LOGS

URS
282 Delaware Avenue
Buffalo, New York 14202
(716) 856-5636

TEST PIT LOG

PROJECT:	CSX Right of Way		Sheet 1 of 1
CLIENT:	Sovereign Chemical	JOB NUMBER:	22-00000306.00
CONTRACTOR:	SLC Environmental	LOCATION:	Buffalo, New York
DATE STARTED:	6/6/2002	GROUND ELEVATION:	not surveyed
DATE COMPLETED:	6/6/2002	OPERATOR:	Jerry Jones
TRENCH NUMBER:	TP-1	GEOLOGIST	Tim Burmeier

DEPTH (FT)	SAMPLE	DESCRIPTION
1		0-8 feet below grade FILL- black, granular texture silty matrix with cinders, sand and fine gravel. Trace bottles. Silty clay at 8 feet. Wet at 7 feet. PID scan of soil = 0ppm. Took photograph of excavation.
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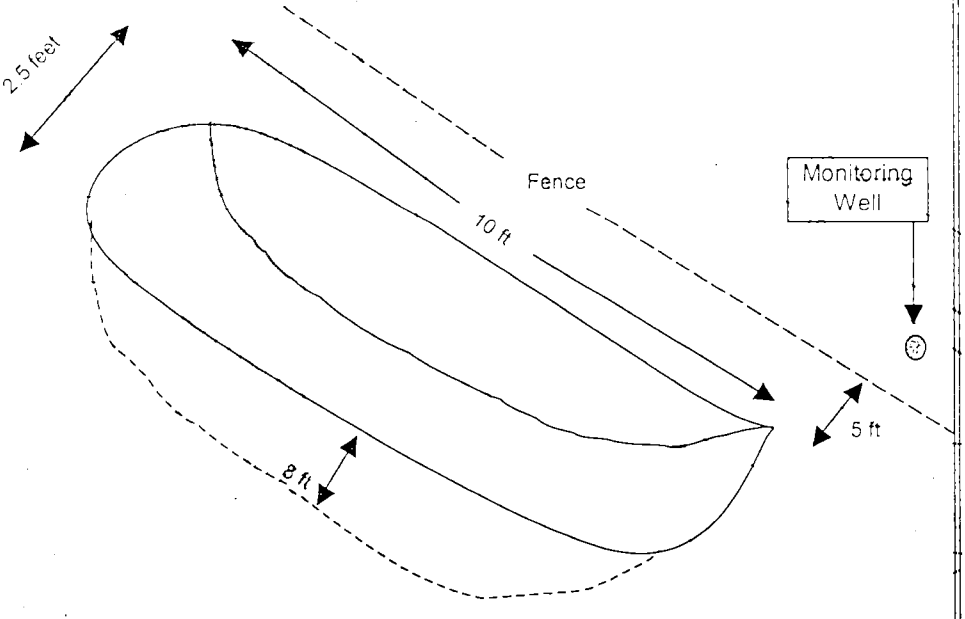

COMMENTS: Excavated with IHI 35-T tracked backhoe. Soil screened with Mini-rae 2000 photoionizing device Sampled 6-7' interval for VOCs. Took MS/MSD sample.

URS

282 Delaware Avenue
Buffalo, New York 14202
(716) 856-5636

TEST PIT LOG

PROJECT:	CSX Right of Way		Sheet 1 of 1
CLIENT:	Sovereign Chemical	JOB NUMBER:	22-00000306.00
CONTRACTOR:	SLC Environmental	LOCATION:	Buffalo, New York
DATE STARTED:	6/6/2002	GROUND ELEVATION:	not surveyed
DATE COMPLETED:	6/6/2002	OPERATOR:	Jerry Jones
TRENCH NUMBER:	TP-2	GEOLOGIST	Tim Burmeier

DEPTH (FT)	SAMPLE	DESCRIPTION
1		0-8 feet below grade.Fill- black, granular texture silty matrix with cinders, sand and fine gravel.
2		Trace bottles. Ash layer at 2-3 feet. Silty clay at 8 feet. Wet at 7 feet.
3		PID scan of soil = 0 ppm
4		Took photograph of excavation.
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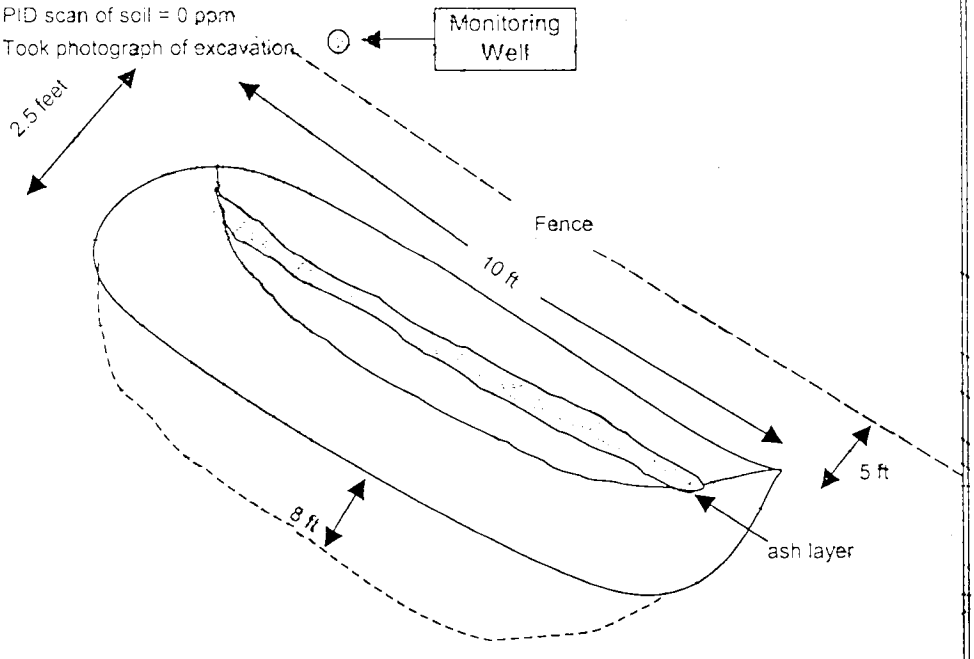

COMMENTS: Excavated with IHI 35-T tracked backhoe. Soil screened with Mini-rae 2000 photoionizing device Sampled 6-7' interval for VOCs. Took water sample for VOC analysis.

URS
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Buffalo, New York 14202
(716) 856-5636

TEST PIT LOG

PROJECT:	CSX Right of Way		Sheet 1 of 1
CLIENT:	Sovereign Chemical	JOB NUMBER:	22-00000306.00
CONTRACTOR:	SLC Environmental	LOCATION:	Buffalo, New York
DATE STARTED:	6/6/2002	GROUND ELEVATION:	not surveyed
DATE COMPLETED:	6/6/2002	OPERATOR:	Jerry Jones
TRENCH NUMBER:	TP-3	GEOLOGIST	Tim Burmeier

DEPTH (FT)	SAMPLE	DESCRIPTION
1		0-8 feet below grade:Fill- gray brown silt with fine gravel. Rusty in spots.
2		Trace bottles. Ash layer at 2-3 feet. Silty clay at 8 feet. Wet at clay/fill interface.
3		PID scan of soil = 0 ppm
4		Took photograph of excavation.
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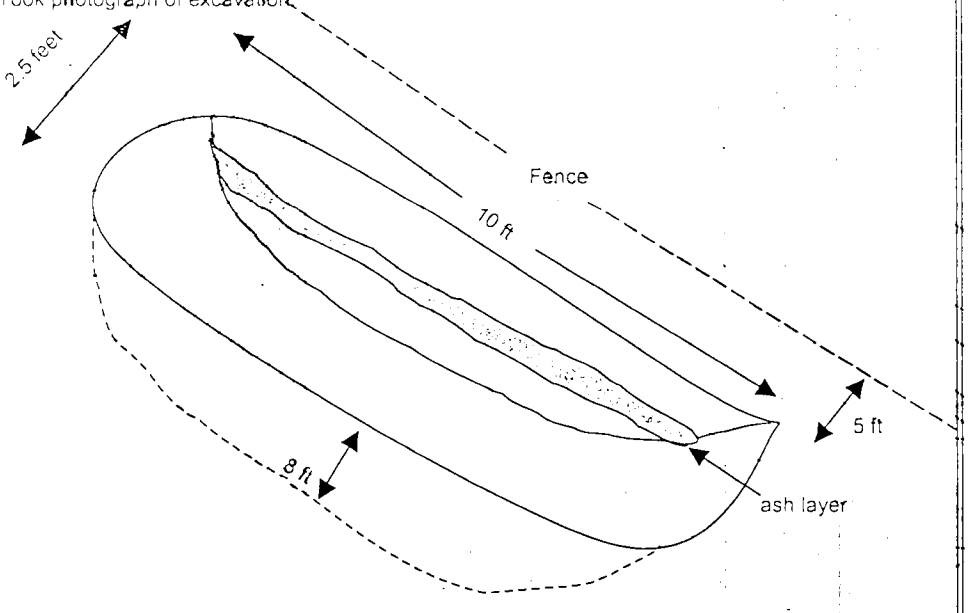

COMMENTS: Excavated with IHI 35-T tracked backhoe. Soil screened with Mini-rae 2000 photoionizing device
Sampled 7-8' interval for VOCs.

URS
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Buffalo, New York 14202
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TEST PIT LOG

PROJECT:	CSX Right of Way		Sheet 1 of 1
CLIENT:	Sovereign Chemical	JOB NUMBER:	22-00000306.00
CONTRACTOR:	SLC Environmental	LOCATION:	Buffalo, New York
DATE STARTED:	6/6/2002	GROUND ELEVATION:	not surveyed
DATE COMPLETED:	6/6/2002	OPERATOR:	Jerry Jones
TRENCH NUMBER:	TP-4	GEOLOGIST	Tim Burmeier

DEPTH (FT)	SAMPLE	DESCRIPTION
1		0-8 feet below grade:Fill- black, granular texture silty matrix with cinders, sand and fine gravel.
2		Trace bottles. Ash layer at 4-5 feet. Silty clay at 8 feet. Wet at 7 feet.
3		PID scan of soil = 0 ppm
4		Took photograph of excavation
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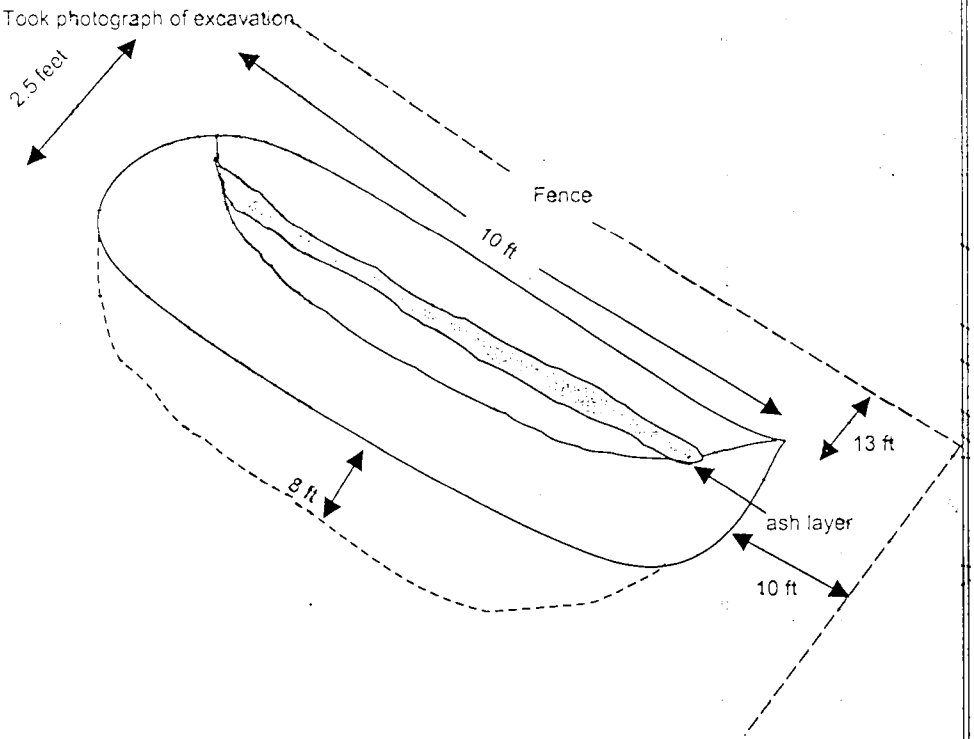

COMMENTS: Excavated with IHI 35-T tracked backhoe. Soil screened with Mini-rae 2000 photolonizing device
Sampled 4-5' interval for VOCs.

URS
282 Delaware Avenue
Buffalo, New York 14202
(716) 856-5636

TEST PIT LOG

PROJECT:	CSX Right of Way		Sheet 1 of 1
CLIENT:	Sovereign Chemical	JOB NUMBER:	22-00000306.00
CONTRACTOR:	SLC Environmental	LOCATION:	Buffalo, New York
DATE STARTED:	6/6/2002	GROUND ELEVATION:	not surveyed
DATE COMPLETED:	6/6/2002	OPERATOR:	Jerry Jones
TRENCH NUMBER:	TP-5	GEOLOGIST	Tim Burmeier

DEPTH (FT)	SAMPLE	DESCRIPTION
1		0-5 feet below grade:Fill- black, granular texture silty matrix with cinders, sand and fine gravel.
2		Trace bottles. Silty clay at 5 feet. Wet at clay/fill interface.
3		PID scan of soil = 0 ppm
4		Took photograph of excavation.
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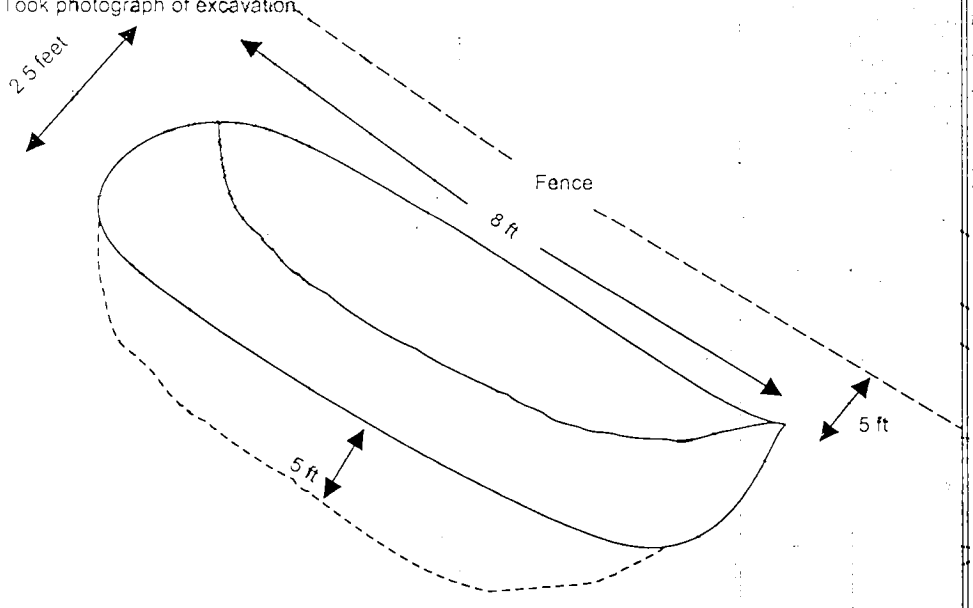

COMMENTS: Excavated with IHI 35-T tracked backhoe. Soil screened with Mini-rae 2000 photoionizing device
Sampled 4-5' interval for VOCs.