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2007 ANNUAL PROGRESS MONITORING REPORT PHASE I – OPERABLE UNIT 2

FORMER SINCLAIR REFINERY SITE WELLSVILLE, NEW YORK

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1.0 OVERVIEW

1.1 Site Description and Project Overview

This document provides a remediation progress update for the Operable Unit 2 (OU2) portion of the Former Sinclair Refinery (Site) located in the Town and Village of Wellsville, Allegany County, New York (please see Figure 1). This report covers the time period from January 1 to December 31, 2007. An electronic copy of this report is included as Appendix A.

The OU2 site consists of the approximately 90 acre former refinery area and is currently occupied by a number of commercial/manufacturing businesses and the State University of New York (SUNY Alfred) at Wellsville campus. SUNY Alfred operates a vocational–technical school at the Site consisting of various vocational programs. Most of the former refinery structures were removed before 1964; however some buildings from the original refinery operations are still present. Most of these buildings have been renovated and are now in use supporting current occupants. Some of the original buildings are vacant.

The Remedial Investigation/Feasibility Study (RI/FS) and Remedial Design Investigation (RDI) efforts at OU2 were conducted between 1985 and 1994. The United States Environmental Protection Agency (USEPA) issued the OU2 Record of Decision (ROD) on September 30, 1991 and Unilateral Administrative Order (UAO) on September 8, 1992. The ROD and UAO specified cleanup levels for groundwater and surface water for the OU2 area of the Site. The shallow water bearing zone at the Site is designated by New York State as a class GA aquifer, and the Genesee River adjacent to the Site is designated a Class A surface water. These classifications characterize the water bearing zone and river as potential sources of potable water. Chemical-specific applicable or relevant and appropriate requirements (ARARs) for groundwater and surface water at the Site were defined as federal maximum contaminant levels (MCLs) and state ambient water quality standards (AWQSs).

The OU2 remedial actions have consisted of the following:

- Remediation of surface soils completed in 1993;
- Remediation of the Northern Oil Water Separator completed in 1993;
- Demolition of the Powerhouse completed in 1993; and
- Implementation of a phased approach to groundwater remediation.

The phased groundwater remediation approach was approved in 1994. Phase I remediation of groundwater involved the construction, operation, and monitoring of a groundwater extraction and water treatment system, and three air sparging/soil vapor extraction (AS/SVE) systems. Operation of these remedial systems was initiated in 1995 and enhanced with an expanded AS/SVE system in December 1997. Phase I groundwater remediation is complete as

documented in *Phase I Completion Report, Former Sinclair Refinery Site (OU2) Wellsville, New York,* dated August 2001. The Phase I AS/SVE systems were deactivated in July 2003 following USEPA approval of the Phase II Remedial Design Investigation Work Plan. The Phase I groundwater extraction and water treatment system is scheduled to continue operations until Phase II is implemented. Design activities for Phase II have been finalized. Construction activities to complete a downgradient hydrogeologic barrier, a groundwater extraction trench and an engineered wetland treatment system are currently underway.

1.2 Report Organization

This report documents the Phase I progress monitoring completed from January 1 through December 31, 2007. The remainder of the report is organized as follows:

- Section 2 describes the groundwater extraction and treatment operations;
- Section 3 presents the groundwater chemical monitoring results;
- Section 4 provides the groundwater physical and geochemical monitoring results; and
- Section 5 outlines the Genesee River monitoring activities.

2.0 GROUNDWATER EXTRACTION AND TREATMENT SYSTEM

2.1 Treatment System Overview

System Components

The groundwater treatment system and building were constructed in 2004 following a fire in the previous water treatment building at the same location. The groundwater treatment system consists of the following components: i) a MSD-4-500 Multistage Diffuser (Air Stripper) manufactured by Carbtrol Corporation; ii) an equalization tank and pump to transfer water from the air stripper to the metals treatment unit; iii) a two stage reaction, flocculation and clarification metals treatment unit rehabilitated from the previous system; iv) two, 200-pound Hayward sand filters; v) two Carbtrol 1400-pound granular activated carbon (GAC) units; vi) an Iron Removal Filter manufactured by Carbtrol Corporation; and vii) a four cubic foot plate and frame filter press manufactured by Hoffland Environmental Inc. The sand filters and GAC units were added to the system in 2005. The sand filters were installed on January 28, 2005 and the GAC units were put online on July 1, 2005.

Process Overview

Groundwater is pumped from Northern Area recovery wells RW-1, RW-2 and RW-3 to the air stripper, which removes Volatile Organic Compounds (VOCs). Process water is pumped from the air stripper to the metals treatment unit. Prior to the metals treatment unit, hydrogen peroxide

(35%) is injected inline to oxidize the ferrous (dissolved) iron to ferric state. A pH controller adds caustic soda (50%) to reactor Chamber 1 to raise the pH from approximately 6.5 to a range of 7.5 to 8.5. The water is continually mixed and an anionic polymer (Drewfloc 2278) is added to promote flocculation of solids. The floc and process water flows over a weir and into the solids settling chamber. The process water rises through the inclined plate settling racks and over an effluent weir to two sand filters. The settled solids accumulate in the inverted pyramid shaped bottom section of the clarifier. The solids are periodically pumped to a holding tank and then filter pressed prior to disposal at an approved off-site landfill. From the metals treatment unit, process water flows to an equalization tank before being pumped through the two sand filters. The sand filters are plumbed in parallel and are equipped with a programmable automatic backwash valve. The sand filters remove suspended solids from the process water prior to the GAC units. The GACs each hold approximately 1400 pounds of carbon and are piped in series. Process water is polished by the GACs and pumped to the Iron filter. The Iron filter acts as an equalization tank and a final suspended solids filter. From the Iron filter, treated water gravity drains to the Genesee River. A process flow diagram is provided as Figure 2.

2007 System Operations

During 2007, the treatment system operated 95.8% of the time. A total of approximately 5,034,900 gallons of water were treated. Approximately eight cubic yards of sludge was produced from the metals treatment unit and properly disposed off-site. Additionally, one 55-gallon drum of used absorbents (river booms) was properly disposed off-site. Both the boxes and drum were disposed as non-hazardous waste at an approved off-site facility. A 2007 waste disposal summary is provided as Table 1.

Compliance sampling and chemical analysis of influent (sample port SP-114), effluent (SP-219) and between the GACs (SP-217) was completed on a monthly basis. The monthly effluent analytical results are below discharge limits. Monthly compliance analytical results are presented in Table 2. Data validation was completed on laboratory analytical results. Monthly compliance data validation reports are included as Appendix B.

3.0 GROUNDWATER CHEMICAL MONITORING RESULTS

Interim groundwater monitoring (until Phase II is implemented) requirements were proposed in a letter from Atlantic Richfield Company to the USEPA entitled: *Proposed Revisions to Interim OU2 Groundwater Monitoring Plan, Former Sinclair Refinery, Wellsville, NY,* dated April 29, 2003. This plan was approved by the USEPA in a correspondence dated May 28, 2003. The interim plan requires 13 wells along the downgradient side of the Site be sampled annually during the second quarter of the year.

3.1 Sampling and Analysis

The 2007 annual OU2 groundwater sampling event was completed between June 18 and 21, 2007. Sampling activities were performed by On-Site Technical Services and laboratory analysis was conducted by Accutest Laboratories, Dayton, New Jersey. Required analyses are listed by area below.

Well	Required Analysis
Northern Area	
MW-10	BTEX, CVOC, SVOC, Ar
MW-11	BTEX, Ar
MW-69A	BTEX, CVOC, Ar
MW-78	BTEX, Ar
MW-70 Area	
MW-70	BTEX, SVOC, Ar
OW-1	BTEX, SVOC, Ar
OW-3	BTEX, SVOC, Ar
Central Area	
MW-9	BTEX, Ar
MW-71	BTEX, Ar
OW-4	BTEX, Ar
Southern Area	
MW-7	BTEX, Ar
MW-55	BTEX, Ar
MW-96	BTEX, Ar

Notes:

BTEX – Benzene, Toluene, Ethylbenzene, Total Xylene (SW846, 8260B)

CVOC – cis-1,2-Dichloroethene, Vinyl chloride (SW846, 8260B)

SVOC – 2-Aminopheneol, Aniline, Azobenzene, Azoxybenzene, Nitrobenzene, Nitrosobenzene (SW846, 8270C)

Ar – Arsenic (EPA 200.7 (ICP), SW846 6010B (ICP))

Sampling was completed following low-flow sampling techniques using non-dedicated bladder pumps and tubing. The pump and Teflon® coated tubing were decontaminated between each well following a three step washing procedure: (i) phosphate-free detergent (Liqui-nox) and tap water wash; followed by (ii) tap water rinse; and (iii) distilled water rinse. Equipment rinsate blanks were collected from the pumps and tubing used each day. Well locations with analytical results are shown in Figure 3. Results are discussed in the following sections.

3.2 Dissolved BTEX Concentrations

Groundwater BTEX compounds (benzene, toluene, ethylbenzene and total xylene) were analyzed in the 13 wells sampled in accordance with the current sampling plan. Groundwater

BTEX concentrations at the June 2007 sampling locations are generally in the range observed over the past six years. For discussion purposes the site has been divided into 4 areas, Northern Area, MW-70 Area, Central Area, and Southern Area.

In the Northern Area, which is represented by wells MW-10, MW-11, MW-69A and MW-78, benzene was the only BTEX parameter exceeding water quality standards, having exceeded both MCLs and AWQSs at monitoring wells MW-69A and MW-78. Since the Northern Area has ongoing groundwater extraction and treatment, BTEX groundwater concentrations over time have been tracked as presented in Figure 4. Since 1999, BTEX groundwater concentrations in the Northern Area are significantly lower than historic concentrations.

Three MW-70 Area wells, MW-70, OW-01 and OW-03, exhibited benzene MCL and AWQS exceedances. Additionally, MW-70 and OW-3 exceeded toluene, ethyl benzene and total xylene AWQSs.

The Central Area includes wells MW-09, MW-71 and OW-04. With the exception of benzene and total xylenes detected at MW-09, BTEX compounds were not observed in these wells during 2007. The benzene concentration at MW-09 exceeded AWQS.

The Southern Area is represented by monitoring wells MW-07, MW-55 and MW-96. MW-55 groundwater concentrations exceeded the benzene AWQS and MCL, as well as AWQSs for toluene, ethyl benzene and total xylene. Additionally, benzene exceeded AWQS at MW-07 and MW-96.

A tabular listing of the June 2007 BTEX results is presented in Table 3.

3.3 Chlorinated VOC Concentrations

Historically, MW-10 and MW-69A in the Northern Area have shown detections of Chlorinated Volatile Organic Compounds (CVOCs). June 2007 samples were tested for cis-1,2-dichloroethene (cDCE) and vinyl chloride as required by the current monitoring plan. cDCE and vinyl chloride were not observed in these wells during 2007. The June 2007 CVOC groundwater concentrations are presented in Table 4.

3.4 SVOC Concentrations

Previous groundwater monitoring results have shown an area of elevated nitrobenzene and aniline concentrations in the MW-70 Area and at MW-10 (south end of Northern Area). SVOCs were not detected at MW-10 in the June 2007 sampling event. With the exception of aniline and nitrobenzene, SVOCs were not detected at MW-70 and OW-3 during June 2007. Both aniline and nitrobenzene exceeded AWQSs at MW-70 and OW-3. The levels observed are consistent with historical data from these wells. June 2007 SVOC groundwater concentrations are presented in Table 5.

3.5 Arsenic Concentrations

Analysis was performed for total arsenic at the 13 monitoring wells sampled in June 2007. Total arsenic was detected in samples from 10 of the 13 monitoring wells. Arsenic was not detected at MW-09, MW-71 and OW-03. The arsenic MCL is 0.010 mg/L and the AWQS is 0.025 mg/L. In June 2007, total arsenic concentrations exceeded both MCL and AWQS at MW-10, MW-11, MW-55, MW-69A, MW-70, MW-78, MW-96, OW-1 and OW-4. Additionally, the arsenic MCL was exceeded at MW-7. June 2007 groundwater arsenic results are consistent with previous monitoring results and are presented in Table 6.

3.6 Data Quality Assessment

Sampling procedures followed low-flow sampling techniques. Sampling pumps and tubing were cleaned between wells as indicated in Section 3.1 above. Four equipment rinsate blank samples (EB1-0607, EB2-0607, EB3-0607 and EB4-0607) were collected by pumping deionized water through the pumps and tubing into laboratory provided sample bottles. Equipment blank EB1-0607 was collected on June 20, 2007 from the bladder pump and tubing used to collect samples from MW-10, MW-69A and OW-01. EB2-0607 was collected from pump and tubing associated with wells MW-09, MW-11, MW-55, MW-71 and MW-78 on June 20, 2007. Equipment blank EB3-0607 was collected on June 21, 2007 from the pump and tubing used to collect samples from wells MW-7 and MW-96. EB4-0607 was collected from pump and tubing associated with wells MW-70, OW-03 and OW-04 on June 21, 2007. The equipment rinsate blank results are non-detect with the exception of low level detections of aniline (0.0021 mg/L) and nitrobenzene (0.0049 mg/L) in equipment blank EB-1. These equipment blank detections lead to changes in the validation action concentrations shown below. Any aniline or nitrobenzene detected below the validation action concentrations in samples MW-10 and OW-01 were considered non-detect.

Sample	Lab Reported Aniline Conc (mg/L)	Validated Aniline Result (mg/L)	Lab Reported Nitrobenzene Conc (mg/L)	Vilidated Nitrobenzene Result (mg/L)
MW-10	0.0073 J	0.0022 U	0.0063 J	0.0022 U
OW-01	0.0032	0.0032 U	0.0022	0.0022 U

It could not be determined if the detections observed in equipment blank EB-1 are associated with field activities or a laboratory artifact. Equipment blank EB-2, EB-3 and EB-4 results are typical of deionized water. Results are presented in Table 7.

A field duplicate sample was collected from MW-70 on June 21, 2007. Both samples were analyzed for BTEX, SVOCs and arsenic. Analytical results compare favorably between the samples. A field duplicate sample comparison is shown in Table 8.

Samples were shipped to the laboratory via Federal Express priority overnight delivery service. The samples were received intact and in good condition at 2.4-4.4°C by Accutest within one to two days after sampling. Two QC trip blank samples were included in the sample coolers and analyzed for VOCs, showing non-detectable results.

Data validation was performed by the project data validator following USEPA Region II SOPs for organic and inorganic data review. Following data validation, which included some qualifier adjustments and some low level detection changes to non-detect, the analytical results are considered 100% complete, usable and valid. The annual groundwater data validation report is attached as Appendix B.

4.0 GROUNDWATER PHYSICAL AND GEOCHEMICAL RESULTS

4.1 Groundwater Elevations

Groundwater levels were measured on June 18, 2007 at each of the 13 wells scheduled for sampling (Table 9). Water levels were measured using a GeoTech ORS Interface Probe™ (Oil/Water Interface Probe). Light non-aqueous phase liquid (LNAPL) was detected at trace levels at MW-07. An oil absorbent sock was installed in MW-07 as a precautionary measure prior to sampling. The sock was removed from the well immediately prior to purging and sampling. Groundwater elevations were calculated by subtracting the depth to water measurements from the survey elevation of the top of well casings (measuring point elevation). These groundwater elevation data, along with previous elevations were plotted versus time. The plots are presented as Figures 5 to 8 for the Northern Area, MW-70 Area, Central Area and Southern Area.

4.2 Groundwater Geochemical Parameters

Groundwater geochemical parameter monitoring was performed in the field during the June 2007 sampling event. A properly calibrated YSI® 556 MPS with a flow through cell was utilized to measure pH, conductivity, dissolved oxygen (DO), temperature and oxidation-reduction potential (ORP). Turbidity was measured from grab samples using a properly calibrated Hach© 2100P turbidity meter. Results of the June 2007 geochemical monitoring event are generally consistent with historic results. DO levels continue to be low and ORP readings indicate reducing conditions at the wells. The June 2007 geochemical field parameters are listed in Table 10.

5.0 GENESEE RIVER MONITORING

River seep monitoring and boom management continues to be conducted in accordance with previously submitted plans. River bank seeps have not been recorded since June 2001. Sub aqueous seep activities have continued through low river levels and warm temperatures; however, no sub aqueous seep activities were reported in 2007. The river is consistantly monitored for seeps. Immediate action would be taken in the event that a seep did occur.

Table 1

2007 Off-Site Disposal Summary
Former Sinclair Refinery Site (OU2)
Wellsville, New York

Drum/Box Number	Contents	Type	Profile Number	Disposal Date	Disposal Facility
B-12	Filter Press Sludge	Non-Hazardous	VB-5107	02/02/07	CWM Chemical Services, Inc.
B-13	Filter Press Sludge	Non-Hazardous	VB-5107	02/02/07	CWM Chemical Services, Inc.
B-14	Filter Press Sludge	Non-Hazardous	VB-5107	02/02/07	CWM Chemical Services, Inc.
B-15	Filter press Sludge/ Iron filters	Non-Hazardous	VB-5107	02/02/07	CWM Chemical Services, Inc.
B-16	Filter Press Sludge	Non-Hazardous	VB-5107	08/16/07	CWM Chemical Services, Inc.
B-17	Filter Press Sludge	Non-Hazardous	VB-5107	08/16/07	CWM Chemical Services, Inc.
B-18	Filter Press Sludge	Non-Hazardous	VB-5107	08/16/07	CWM Chemical Services, Inc.
B-19	Filter Press Sludge	Non-Hazardous	VB-5107	08/16/07	CWM Chemical Services, Inc.
D-128	River Booms	Non-Hazardous	CS4644	08/16/07	CWM Chemical Services, Inc.

Notes:
B - 1 Cubic Yard Box
D - 55 Gallon Drum

Table 2

2007 Groundwater Treatment System
Monthly Compliance Monitoring Analytical Results
Former Sinclair Refinery Site (OU2)
Wellsville, New York
(mg/L except where noted)

Parameter	1/3/2007			2/7/2007			3/8/2007			4/12/2007			5/7/2007			6/5/2007			7/2/2007			Discharge Limit
	Influent	Between GAC	Effluent	Influent	Between GAC	Effluent	Influent	Between GAC	Effluent	Influent	Between GAC	Effluent	Influent	Between GAC	Effluent	Influent	Between GAC	Effluent	Influent	Between GAC	Effluent	
Aluminum	0.1 U		0.1 U	0.1 U		0.1 U	0.1 U		0.1 U	0.1 U		0.1 U	0.1 U		0.1 U	0.1 U		0.1 U	0.1 U		0.1 U	
Aluminum, dissolved	0.1 U		0.1 U	0.1 U		0.1 U	0.1 U		0.1 U	0.1 U		0.1 U	0.1 U		0.1 U	0.1 U		0.1 U	0.1 U		0.1 U	0.1
Arsenic	0.112		0.008 U	0.108		0.008 U	0.108		0.008 U	0.102		0.008 U	0.11		0.008 U	0.107		0.008 U	0.119		0.008 U	0.15
Chromium	0.01 U		0.01 U	0.01 U		0.01 U	0.01 U		0.01 U	0.01 U		0.01 U	0.01 U		0.01 U	0.01 U		0.01 U	0.01 U		0.01 U	0.5
Copper	0.025 U		0.025 U	0.025 U		0.025 U	0.025 U		0.025 U	0.025 U		0.025 U	0.025 U		0.025 U	0.025 U		0.025 U	0.025 U		0.025 U	0.5
Iron	**44.7**		0.132	**48.4**		0.1 U	**47.9**		0.1 U	**52.6**		0.1 U	**49.3**		0.1 U	**46.2**		0.1 U	**47**		0.1 U	4
Lead	0.003 U		0.003 U	0.003 U		0.003 U	0.003 U		0.003 U	0.003 U		0.003 U	0.003 U		0.003 U	0.003 U		0.003 U	0.0037		0.003 U	0.004
Nickel	0.04 U		0.04 U	0.04 U		0.04 U	0.04 U		0.04 U	0.04 U		0.04 U	0.04 U		0.04 U	0.04 U		0.04 U	0.04 U		0.04 U	
Zinc	0.02 U		0.02 U	0.02 U		0.02 U	0.02 U		0.02 U	0.02 U		0.02 U	0.02 U		0.02 U	0.02 U		0.02 U	0.02 U		0.02 U	0.052
1,1,1-Trichloroethane	0.0047	0.00036	0.00036	0.0054	0.00065	0.00032	0.0065	0.001 U	0.00041	0.0042	0.00029	0.00041	0.0052	0.0013	0.00065	0.0063	0.00091	0.00063	0.0073	0.0012	0.001 U	0.01
1,1,2,2-Tetrachloroethane	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	
1,1,2-Trichloroethane	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	
1,1-Dichloroethane	0.0148	0.003	0.0039	0.024	0.0054	0.0039	0.015	0.0021	0.0038	0.0254	0.0028	0.0047	0.0192	0.0071	0.0051	0.0144	0.0048	0.0046	0.0161	0.0061	0.001 U	0.03
1,1-Dichloroethene	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	
1,2-Dichlorobenzene	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	
1,2-Dichloroethane	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	
1,2-Dichloropropane	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	
1,3-Dichlorobenzene	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	
1,4-Dichlorobenzene	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	
Benzene	**0.0722**	0.001 U	0.001 U	**0.0818**	0.0015	0.001 U	**0.0765**	0.001 U	0.001 U	**0.0892**	0.001 U	0.001 U	**0.083**	0.00027	0.001 U	**0.0785 J**	0.001 U	0.001 U	**0.0825**	0.001 U	0.001 U	0.01
Bromodichloromethane	0.001 U	0.00034	0.001 U				0.001 U	0.00069	0.001 U	0.001 U	0.0004	0.00024	0.001 U	0.00038	0.001 U	0.001 U	0.001 U	0.001 U				
Bromoform	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	
Bromomethane	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 UJ	0.001 UJ	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	
Carbon tetrachloride	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	
Chlorobenzene	0.00069	0.001 U	0.001 U	0.00058	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.00053	0.001 U	0.001 U	0.00056	0.001 U	0.001 U	0.0006	0.001 U	0.001 U	0.00076	0.001 U	0.001 U	
Chloroethane	0.001 U	0.001 U	0.001 U	0.0013	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.0015	0.001 U	0.001 U	0.0012	0.001 U	0.001 U	0.00082	0.001 U	0.001 U	0.0013	0.001 U	0.001 U	
Chloroform	0.001 U	0.0012	0.0014	0.001 U	0.0013	0.0014	0.001 U	0.0014	0.0013	0.001 U	0.0014	0.0015	0.001 U	0.0018	0.0016	0.001 U	0.0019	0.0016	0.001 U	0.0021	0.001 U	
Chloromethane	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	
cis-1,2-Dichloroethene	0.012	0.0011	0.001 U	0.0257	0.0032	0.001 U	0.0165	0.00092	0.00056	0.0169	0.00084	0.00058	0.0283	0.0033	0.00065	0.0233	0.0024	0.001	0.0216	0.0014	0.001 U	0.03
cis-1,3-Dichloropropene	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	
Dibromochloromethane	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	
Dichlorobromomethane				0.001 U	0.001 U	0.001 U													0.001 U	0.00047	0.001 U	
Dichlorodifluoromethane	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 UJ	0.002 UJ	0.002 UJ	
Dichloromethane (Methylene chloride)	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	
Ethyl benzene	0.0037	0.001 U	0.001 U	0.0065	0.001 U	0.001 U	0.0042	0.001 U	0.001 U	0.0087	0.001 U	0.001 U	0.01	0.001 U	0.001 U	0.008	0.001 U	0.001 U	0.0057	0.001 U	0.001 U	0.01
Tetrachloroethene	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	
Toluene	0.0061	0.001 U	0.001 U	0.0074	0.001 U	0.001 U	0.0065	0.001 U	0.001 U	0.0072	0.001 U	0.001 U	0.0083	0.001 U	0.001 U	0.008	0.001 U	0.001 U	0.0077	0.001 U	0.001 U	0.01
trans-1,2-Dichloroethene	0.00058	0.001 U	0.001 U	0.00078	0.001 U	0.001 U	0.00066	0.001 U	0.001 U	0.00072	0.001 U	0.001 U	0.00069	0.001 U	0.001 U	0.00068	0.001 U	0.001 U	0.00089	0.001 U	0.001 U	
trans-1,3-Dichloropropene	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	
Trichloroethene	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.00048	0.001 U	0.001 U	0.00084	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	
Trichlorofluoromethane	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	
Vinyl chloride	**0.0537**	0.002 U	0.002 U	**0.083**	0.0027	0.00061	**0.0647**	0.002 U	0.00076	**0.0643**	0.002 UJ	0.002 UJ	**0.0667**	0.0012	0.00035	**0.0584 J**	0.002 U	0.002 U	**0.0586**	0.002 U	0.002 U	0.05
Xylenes (total)	0.0082	0.001 U	0.001 U	0.0086	0.001 U	0.001 U	0.0093	0.001 U	0.001 U	0.0068	0.001 U	0.001 U	**0.0109**	0.001 U	0.001 U	**0.0126**	0.001 U	0.001 U	**0.0112**	0.001 U	0.001 U	0.01
Field pH (std. units)	6.83		7.46	6.85		8.07	6.82		7.61	6.76		7.28	6.68		7.57	6.73		7.35	6.72		7.78	6.5-8.5
Oil & Grease			5.1 U			5.1 U			5.1 U			5 U			5.1 U			5.1 U			5.1 U	15
Cyanide			0.01 U			0.01 U			0.01 U			0.01 U			0.01 U			0.01 U			0.01 U	

Please see page 2 for notes.

Table 2

2007 Groundwater Treatment System
Monthly Compliance Monitoring Analytical Results
Former Sinclair Refinery Site (OU2)
Wellsville, New York
(mg/L except where noted)

Parameter	8/2/2007			9/4/2007			10/1/2007			11/1/2007			12/5/2007			Discharge Limit
	Influent	Between GAC	Effluent	Influent	Between GAC	Effluent	Influent	Between GAC	Effluent	Influent	Between GAC	Effluent	Influent	Between GAC	Effluent	
Aluminum	0.1 U		0.1 U	0.1 U		0.1 U	0.1 U		0.1 U	0.1 U		0.1 U	0.1 U		0.1 U	
Aluminum, dissolved	0.1 U		0.1 U	0.1 U		0.1 U	0.1 U		0.1 U	0.1 U		0.1 U	0.1 U		0.1 U	0.1
Arsenic	0.117		0.008 U	0.134		0.008 U	0.132		0.008 U	0.115		0.008 U	0.135		0.008 U	0.15
Chromium	0.01 U		0.01 U	0.01 U		0.01 U	0.01 U		0.01 U	0.01 U		0.01 U	0.01 U		0.01 U	0.5
Copper	0.025 U		0.025 U	0.025 U		0.025 U	0.025 U		0.025 U	0.025 U		0.025 U	0.025 U		0.025 U	0.5
Iron	**46.2**		0.1 U	**43.4**		0.1 U	**45.9**		0.1 U	**43.9**		0.1 U	**45.6**		0.1 U	4
Lead	0.0031		0.003 U	0.003 U		0.003 U	0.003 U		0.003 U	0.003 U		0.003 U	0.003 U		0.003 U	0.004
Nickel	0.04 U		0.04 U	0.04 U		0.04 U	0.04 U		0.04 U	0.04 U		0.04 U	0.04 U		0.04 U	
Zinc	0.0211		0.02 U	0.02 U		0.02 U	0.02 U		0.02 U	0.02 U		0.02 U	0.02 U		0.02 U	0.052
1,1,1-Trichloroethane	0.0069	0.0011	0.001 U	0.0086	0.0013	0.001 U	0.003 J	0.0011 J	0.001 UJ	0.0031	0.00084	0.001 U	0.0013	0.0008	0.001 U	0.01
1,1,2,2-Tetrachloroethane	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	
1,1,2-Trichloroethane	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	
1,1-Dichloroethane	0.0146	0.0057	0.001 U	0.0201	0.0052	0.001 U	0.0104	0.004	0.001 U	0.019	0.0055	0.0013	0.0112	0.0055	0.0022	0.03
1,1-Dichloroethene	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	
1,2-Dichlorobenzene	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	
1,2-Dichloroethane	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	
1,2-Dichloropropane	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	
1,3-Dichlorobenzene	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	
1,4-Dichlorobenzene	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	
Benzene	**0.0745**	0.001 U	0.001 U	**0.0867**	0.001 U	0.001 U	**0.0594**	0.001 U	0.001 U	**0.0801**	0.001 U	0.001 U	**0.0547**	0.001 U	0.001 U	0.01
Bromodichloromethane				0.001 U	0.00067	0.001 U	0.001 U	0.00074	0.001 U	0.001 U	0.00081	0.001 U	0.001 U	0.0008	0.001 U	
Bromoform	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	
Bromomethane	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	
Carbon tetrachloride	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 UJ	0.001 UJ	0.001 UJ	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	
Chlorobenzene	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.00076	0.001 U	0.001 U	0.00055	0.001 U	0.001 U	
Chloroethane	0.00092	0.001 UJ	0.001 UJ	0.0018	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.00095	0.001 U	0.001 U	0.00062	0.001 U	0.001 U	
Chloroform	0.001 U	0.0025	0.001 U	0.001 U	0.0023	0.001 U	0.00041	0.002	0.001 U	0.001 U	0.0023	0.001 U	0.001 U	0.0026	0.00074	
Chloromethane	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 UJ	0.001 UJ	0.001 UJ	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	
cis-1,2-Dichloroethene	0.0123	0.0019	0.001 U	0.0085	0.0016	0.001 U	0.0011	0.00078	0.001 U	0.005	0.0012	0.001 U	0.001 U	0.00092	0.001 U	0.03
cis-1,3-Dichloropropene	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	
Dibromochloromethane	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	
Dichlorobromomethane	0.001 U	0.00068	0.001 U													
Dichlorodifluoromethane	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	
Dichloromethane (Methylene chloride)	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	
Ethyl benzene	0.0043	0.001 U	0.001 U	0.0048	0.001 U	0.001 U	0.0022	0.001 U	0.001 U	0.0021	0.001 U	0.001 U	0.0018	0.001 U	0.001 U	0.01
Tetrachloroethene	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	
Toluene	0.0064	0.001 U	0.001 U	0.0074	0.001 U	0.001 U	0.0037	0.001 U	0.001 U	0.0031	0.001 U	0.001 U	0.0026	0.001 U	0.001 U	0.01
trans-1,2-Dichloroethene	0.00073	0.001 U	0.001 U	0.0011	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.00078	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	
trans-1,3-Dichloropropene	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	
Trichloroethene	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	
Trichlorofluoromethane	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 UJ	0.002 UJ	0.002 UJ	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	
Vinyl chloride	**0.0631**	0.002 U	0.002 U	**0.0726**	0.002 U	0.002 U	0.0102	0.002 U	0.002 U	0.0314	0.002 U	0.002 U	0.0029	0.002 U	0.002 U	0.05
Xylenes (total)	0.0087	0.001 U	0.001 U	0.0089	0.001 U	0.001 U	0.005	0.001 U	0.001 U	0.0015	0.001 U	0.001 U	0.0017	0.001 U	0.001 U	0.01
Field pH (std. units)	6.79		7.49	6.71		7.73	6.53		7.35	6.56		7.85	6.55		7.2	6.5-8.5
Oil & Grease			5.1 U			5.1 U			5.1 U			5.2 U			5 U	15
Cyanide			0.01 U			0.01 U			0.01 U			0.01 U			0.01 U	

Notes:
Influent - Combines groundwater pumped from recovery wells RW-1, RW-2 and RW-3 (sample port SP-114)
Between GAC - Between the primary and secondary granular activated carbon units (sample port SP-217)
Effluent - Treated water prior to discharge (sample port SP-219)
Discharge limits are allowable daily maximum
Results in **BOLD** exceed discharge limits

U - Concentration not detected at specified detection limit
J/UJ - Estimated Value

Please see page 2 for notes.

Table 3

2007 Groundwater BTEX Concentrations
Former Sinclair Refinery Site (OU2)
Wellsville, New York
(mg/L)

Location	Benzene	Ethyl benzene	Toluene	Xylenes (total)	Total BTEX
MCL[1]	0.005	1	0.7	10	NA
AWQs[2]	0.001	0.005	0.005	0.005[3]	NA
Northern Area					
MW-10	0.001 U	0.001 U	0.001 U	0.001 U	0
MW-11	0.001 U	0.001 U	0.001 U	0.001 U	0
MW-69A	**0.0251**	0.001 U	0.001 U	0.001 U	0.0251
MW-78	**0.0085**	0.001 U	0.001 U	0.00042 J	0.00892
MW-70 Area					
MW-70	**0.0156**	**0.0224**	**0.0517**	**0.0963**	0.186
OW-01	**0.0263**	0.001 U	0.0023	0.0014	0.03
OW-03	**0.0069**	**0.0059**	**0.0091**	**0.0183**	0.0402
Central Area					
MW-09	**0.0022**	0.001 U	0.001 U	0.00078 J	0.00298
MW-71	0.001 U	0.001 U	0.001 U	0.001 U	0
OW-04	0.001 U	0.001 U	0.001 U	0.001 U	0
Southern Area					
MW-07	**0.0036**	0.001 U	0.0021	0.0029	0.0086
MW-55	**0.0229**	**0.0247**	**0.0087**	**0.0282**	0.0845
MW-96	**0.0025**	0.001 U	0.001 U	0.001 U	0.0025

Notes:

1) Groundwater sampling conducted between June 18 and 21, 2007.
2) EPA 8260 Analysis with Benzene, Toluene, Ethylbenzene and Xylenes (total) reported.
3) [1] - Maximum Contaminate Level, National Primary Drinking Water Regulations (40 CFR 141.11-141.16)
4) [2] - New York State Ambient Water Quality Standards, Class GA Groundwater (NYCRR 700-706, TOG 1.1.1)
5) [3] - New York State Xylene AWQS is for each isomer, results are for Total Xylene
6) NA - Not Applicable
7) ND - Not Detected
8) U - Analyte not detected at detection limit shown
9) J - Concentration value is approximate

Yellow shaded values exceed New York State Ambient Water Quality Standards (AWQS), Class GA Groundwater (NYCRR 700-706, TOGs 1.1.1)

Green shaded values exceed Maximum Contaminant Levels (MCL), National Primary Drinking Water Regulations (40 CFR 141.11-141.16) and New York AWQSs

Table 4

2007 Groundwater Chlorinated VOC Concentrations
Former Sinclair Refinery Site (OU2)
Wellsville, New York
(mg/L)

Location	cis-1,2-Dichloroethene	Vinyl chloride
MCL[1]	0.07	0.002
AWQs[2]	0.005	0.002
MW-10	0.001 U	0.001 U
MW-69A	0.001 U	0.001 U

Notes:
1) Groundwater sampling conducted between June 18 and 21, 2007.
2) EPA 8260 Analysis with cis-1,2-Dichloroethene and Vinyl chloride reported.
3) [1] - Maximum Contaminate Level, National Primary Drinking Water Regulations
4) [2] - New York State Ambient Water Quality Standards, Class GA Groundwater
5) U - Analyte not detected at detection limit shown

Table 5

2007 Groundwater Semi-Volatile Organic Compound Concentrations
Former Sinclair Refinery Site (OU2)
Wellsville, New York
(mg/L)

Location	2-Aminophenol	Aniline	Azobenzene	Azoxybenzene	Nitrobenzene	Nitrosobenzene
MCL[1]	NA	NA	NA	NA	NA	
AWQs[2]	0.001	0.005	0.005	NA	0.0004	
Northern Area						
MW-10	0.022 U	0.0022 U	0.0054 U	0.0054 U	0.0022 U	0.0054 U
MW-70 Area						
MW-70	0.022 U	**6.92**	0.0055 U	0.0055 U	**10.8**	0.0055 U
OW-01	0.022 U	0.0022 U	0.0056 U	0.0056 U	0.0022 U	0.0056 U
OW-03	0.021 U	**1.67**	0.0053 U	0.0053 U	**1.69**	0.0053 U

Notes:
1) Groundwater sampling conducted between June 18 and 21, 2007.
2) EPA 8270 Analysis with 2-Aminophenol, Aniline, Azobenzene, Azoxybenzene and
3) [1] - Maximum Contaminate Level,
4) [2] - New York State Ambient Water
5) U - Analyte not detected at detection limit shown
6) NA - Not Applicable

Shaded values exceed New York State Ambient Water Quality Standards (AWQS), Class GA Groundwater (NYCRR 700-706, TOGs 1.1.1)

Table 6

2007 Groundwater Arsenic Concentrations
Former Sinclair Refinery Site (OU2)
Wellsville, New York
(mg/L)

Location	Arsenic
MCL[1]	0.01
AWQs[2]	0.025
Northern Area	
MW-10	**0.0268**
MW-11	**0.035**
MW-69A	**0.0816**
MW-78	**0.0427**
MW-70 Area	
MW-70	**0.0411**
OW-01	**0.0539**
OW-03	0.008 U
Central Area	
MW-09	0.008 U
MW-71	0.008 U
OW-04	**0.0302**
Southern Area	
MW-07	**0.0149**
MW-55	**0.0547**
MW-96	**0.0306**

Notes:

1) Groundwater sampling conducted between June 18 and 21, 2007.
2) EPA 6010 Analysis with Total Arsenic reported.
3) [1] - Maximum Contaminate Level, National Primary Drinking Water
4) Arsenic MCL lowered from 0.05 mg/L to 0.01 mg/L.
5) [2] - New York State Ambient Water Quality Standards, Class GA
6) U - Analyte not detected at detection limit shown

Yellow shaded values exceed Maximum Contaminant Levels (MCL), National Primary Drinking Water Regulations (40 CFR 141.11-141.16)

Green shaded values exceed MCL and New York State Ambient Water Quality Standards (AWQS), Class GA Groundwater (NYCRR 700-706, TOGs 1.1.1)

Table 7

2007 Groundwater Sampling Equipment Rinsate Blank Concentrations
Former Sinclair Refinery Site (OU2)
Wellsville, New York
(mg/L)

Parameter	EB1-0607 6/20/2007	EB2-0607 6/20/2007	EB3-0607 6/22/2007	EB4-0607 6/22/2007
Inorganic Compound				
Arsenic	0.008 U	0.008 U	0.008 U	0.008 U
BTEX Compounds				
Benzene	0.001 U	0.001 U	0.001 U	0.001 U
Ethyl benzene	0.001 U	0.001 U	0.001 U	0.001 U
Toluene	0.001 U	0.001 U	0.001 U	0.001 U
Xylenes (total)	0.001 U	0.001 U	0.001 U	0.001 U
Semi-Volatile Organic Compounds				
2-Aminophenol	0.021 U			0.02 U
Aniline	0.0021			0.002 U
Azobenzene	0.0053 U			0.005 U
Azoxybenzene	0.0053 U			0.005 U
Nitrobenzene	0.0049			0.002 U
Nitrosobenzene	0.0053 U			0.005 U
Chlorinated Volatile Organic Compounds				
cis-1,2-Dichloroethene	0.001 U			
Vinyl chloride	0.001 U			

Notes:
U - Concentration not detected at specified detection limit
EB1 - Associated with samples MW-69A, MW-10, OW-01
EB2 - Associated with samples MW-11, MW-78, MW-09, MW-71, MW-55
EB3 - Associated with samples MW-07, MW-96
EB4 - Associated with samples MW-70, OW-03, OW-04

Table 8

2007 Groundwater Field Duplicate Sample Comparison
Former Sinclair Refinery Site (OU2)
Wellsville, New York
(mg/L)

Parameter	DUP1-0607	MW70-0607
Inorganic Compound		
Arsenic	0.0354	0.0411
BTEX Compounds		
Benzene	0.0171	0.0156
Ethyl benzene	0.0241	0.0224
Toluene	0.0549	0.0517
Xylenes (total)	0.103	0.0963
Semi-Volatile Organic Compounds		
2-Aminophenol	0.02 U	0.022 U
Aniline	6.17	6.92
Azobenzene	0.005 U	0.0055 U
Azoxybenzene	0.005 U	0.0055 U
Nitrobenzene	9.26	10.8
Nitrosobenzene	0.005 U	0.0055 U

Notes:
U - Concentration not detected at specified detection limit

Table 9

2007 Groundwater Elevations
Former Sinclair Refinery Site (OU2)
Wellsville, NY

WELL	Depth to Water (ft)	Depth to LNAPL (ft)	Well Measuring Point Elevation (ft amsl[1])	Water Table Elevation (ft amsl[1])	Comment
MW-07	12.91	12.90	1500.42	1487.51	Installed 1 18" sock
MW-09	12.85	ND	1499.67	1486.82	
MW-10	15.59	ND	1497.71	1482.12	
MW-11	14.56	ND	1496.03	1481.47	Trace of Iron
MW-55	10.38	ND	1500.34	1489.96	
MW-69A	15.89	ND	1497.91	1482.02	
MW-70	14.20	ND	1495.30	1481.10	
MW-71	14.29	ND	1499.19	1484.90	
MW-78	16.10	ND	1497.79	1481.69	
MW-96	13.96	ND	1500.00	1486.04	
OW-01	17.38	ND	1498.28	1480.90	
OW-03	15.55	ND	1498.20	1482.65	
OW-04	13.98	ND	1499.01	1485.03	

Notes:

1) ND - LNAPL not detected with interface probe

2) Water levels measured June 18, 2007 prior to commencing well purging and sampling activities

3) [1] - feet above mean sea level (NGVD 29, U.S. Survey Feet)

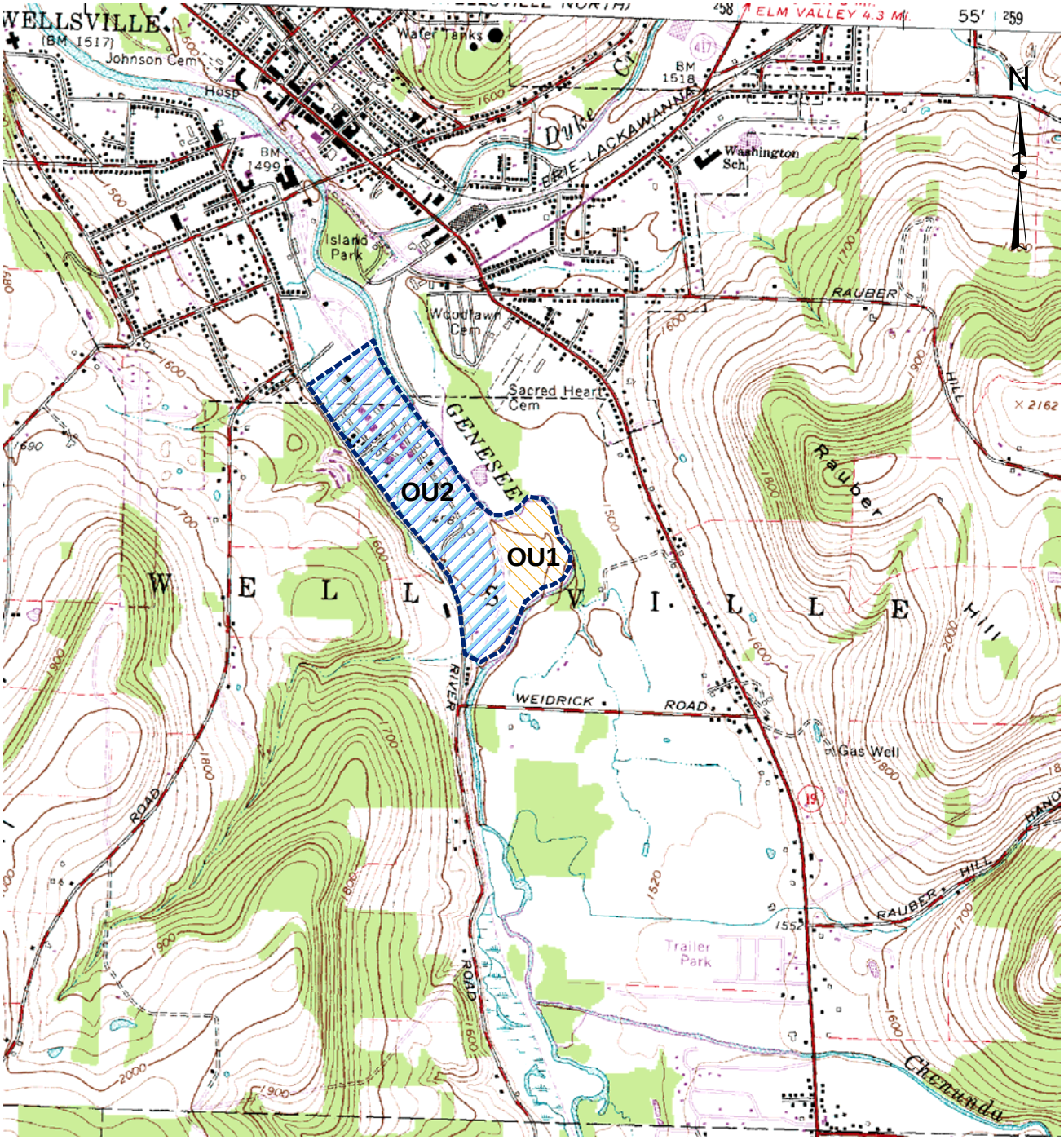
Table 10

2007 Groundwater Geochemical Parameters
Former Sinclair Refinery Site (OU-2)
Wellsville, New York

Well	Date	Parameter					
		pH (SU)	Conductivity (micro siemens)	Turbidity (NTU)	DO (mg/L)	Temperature (°C)	ORP (mV)
MW-7	6/21/2007	6.86	459	7.84	1.51	11.31	-84.3
MW-9	6/20/2007	6.49	2481	39.7	1.19	19.55	-69.1
MW-10	6/20/2007	6.45	875	9.76	3.02	17.51	-125.2
MW-11	6/19/2007	6.34	305	1.59	0.68	14.92	-100.9
MW-55	6/20/2007	6.73	347	5.1	0.3	22.37	-124.1
MW-69A	6/20/2007	6.31	746	4.4	1.77	15.97	-89.9
MW-70	6/21/2007	6.50	1063	3.67	1.74	12.88	-119.6
MW-71	6/20/2007	6.54	722	3.66	1.96	17.82	-88.4
MW-78	6/19/2007	6.36	562	2.32	2.48	16.06	-122.4
MW-96	6/21/2007	6.78	497	2.68	1.05	13.39	-72.2
OW-1	6/20/2007	6.6	715	12.70	4.14	19.83	-98.1
OW-3	6/21/2007	6.47	796	6.39	0.8	18.06	-146.9
OW-4	6/21/2007	6.41	978	10.3	1.64	18.36	-62.8

Notes:
1) pH, Conductivity, DO, Temperature and ORP measured with properly calibrated YSI 556 MPS water quality meter
2) Turbidity measured with properly calibrated Hach 2100P turbidity meter

SITE LOCATION



SOURCE: WELLSVILLE SOUTH, NY USGS 7.5 MINUTE TOPOGRAPHIC QUADRANGLE, DATED 1965.

Legend

Approximate Site Boundary

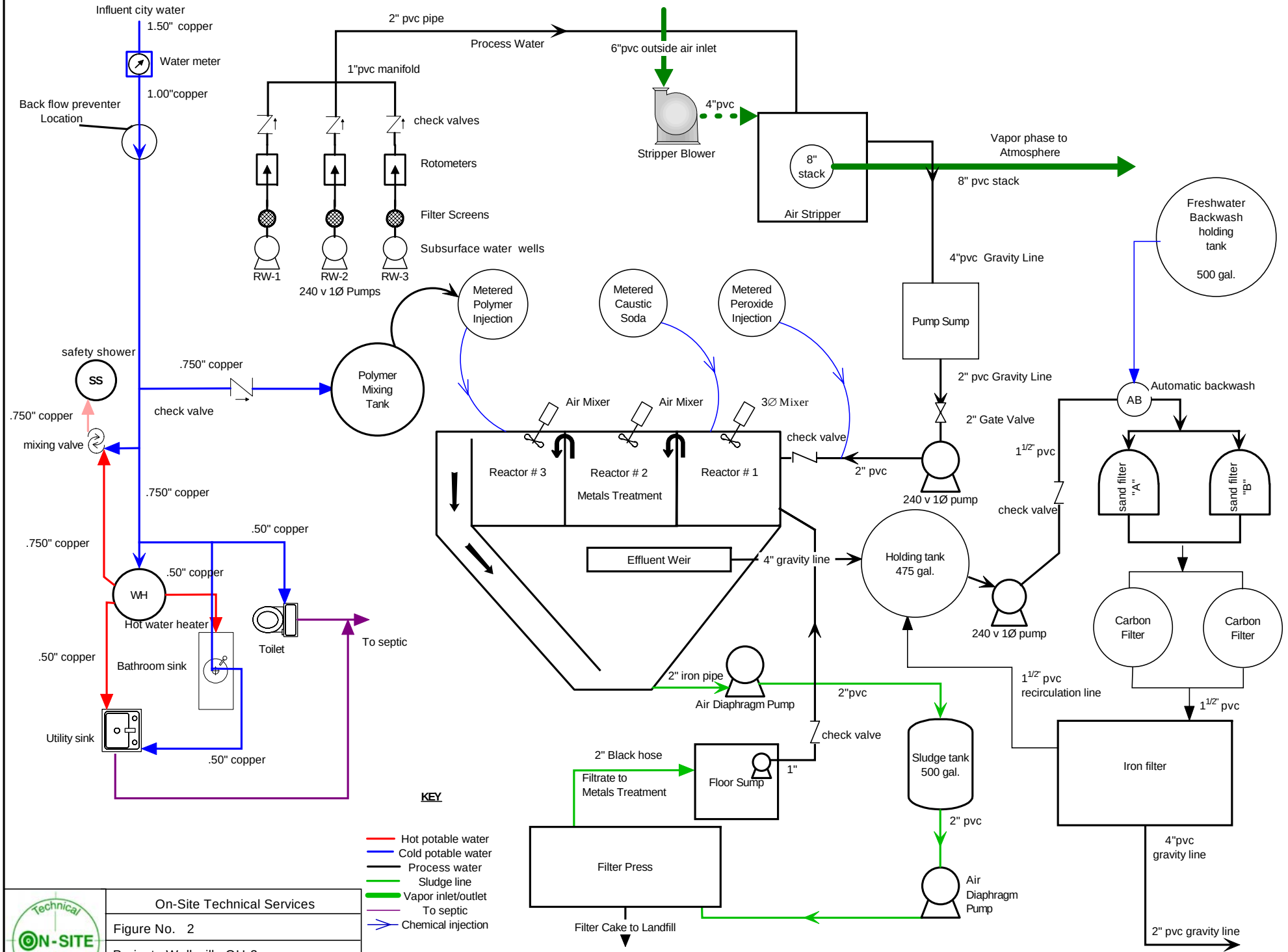
0 1,000 2,000 4,000 Feet

1 inch equals 2,000 feet

FIGURE NO.	1
PROJECT	WELLSVILLE OU2
DOCUMENT NO.	2007 OU2 REPORT
FILE NO.	FIG1-SITELOC.MXD

ON-SITE TECHNICAL SERVICES, INC.
72 Railroad Avenue Wellsville, NY 14895

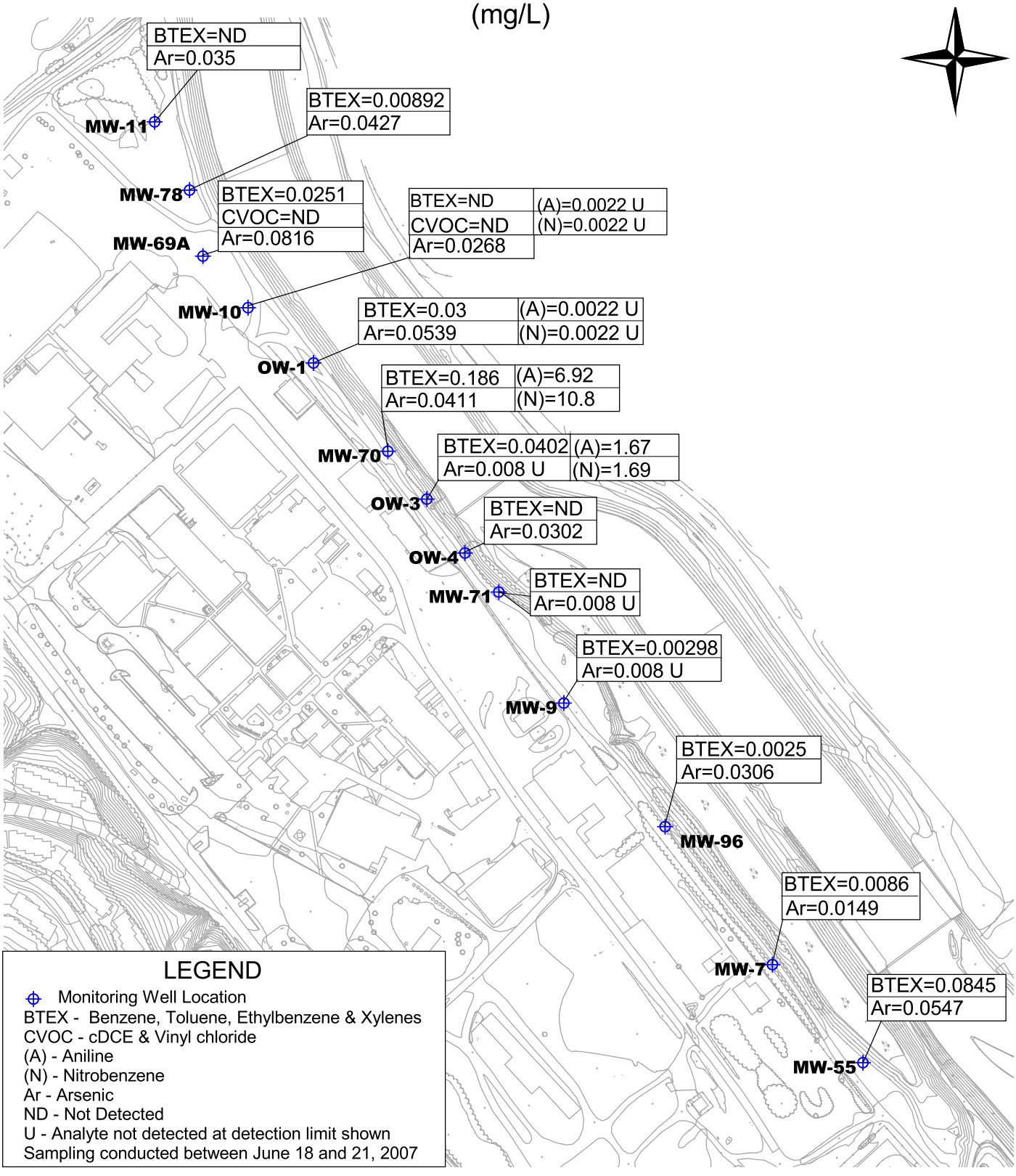
GROUNDWATER TREATMENT PROCESS FLOW DIAGRAM



On-Site Technical Services	
Figure No. 2	
Project Wellsville OU-2	
Date: 08/22/05	File: subsur.water.sdr

Note: System designed to operate at 10 to 15 gpm

2007 GROUNDWATER ANALYTICAL RESULTS
(mg/L)



ON-SITE TECHNICAL SERVICES, INC.
72 Railroad Avenue Wellsville, NY 14895

FIGURE NO.	3
PROJECT	Wellsville OU2
DOCUMENT	2007 OU2 Annual Report
FILE NO.	FIG3.APR

Figure 4
Northern Area
Groundwater Total BTEX Concentrations

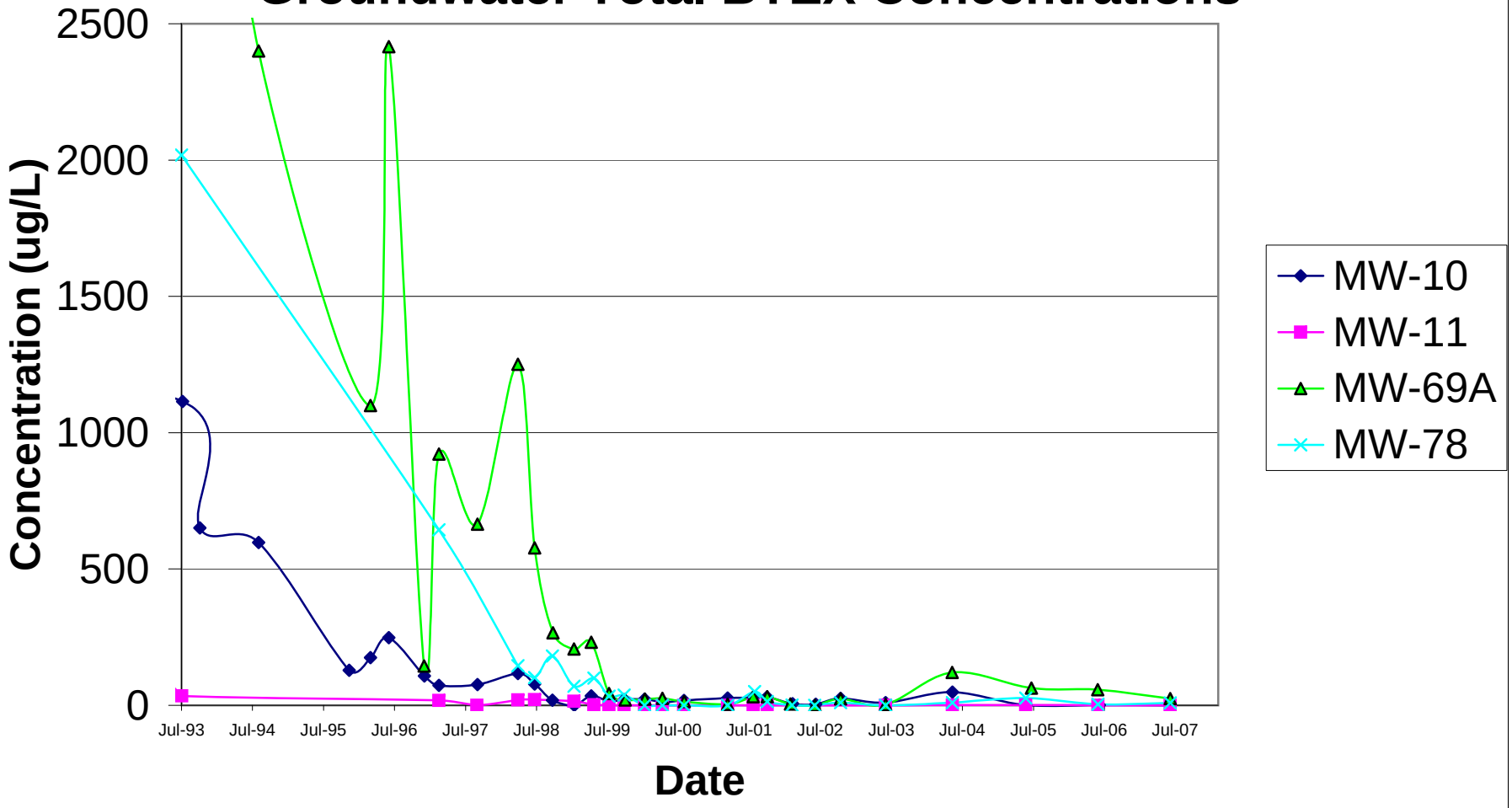


Figure 5
Northern Area Groundwater Elevations

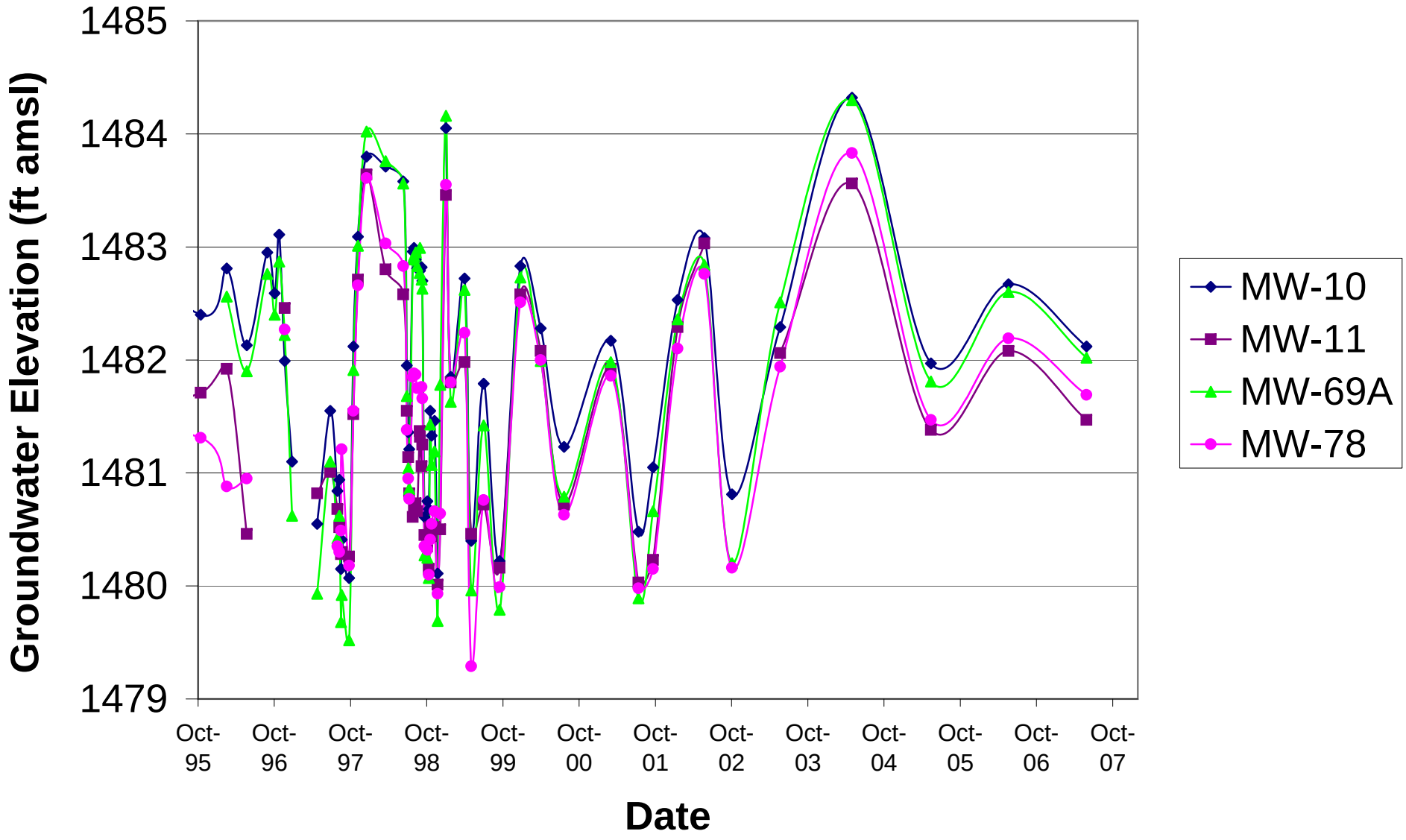


Figure 6
MW-70 Area Groundwater Elevations

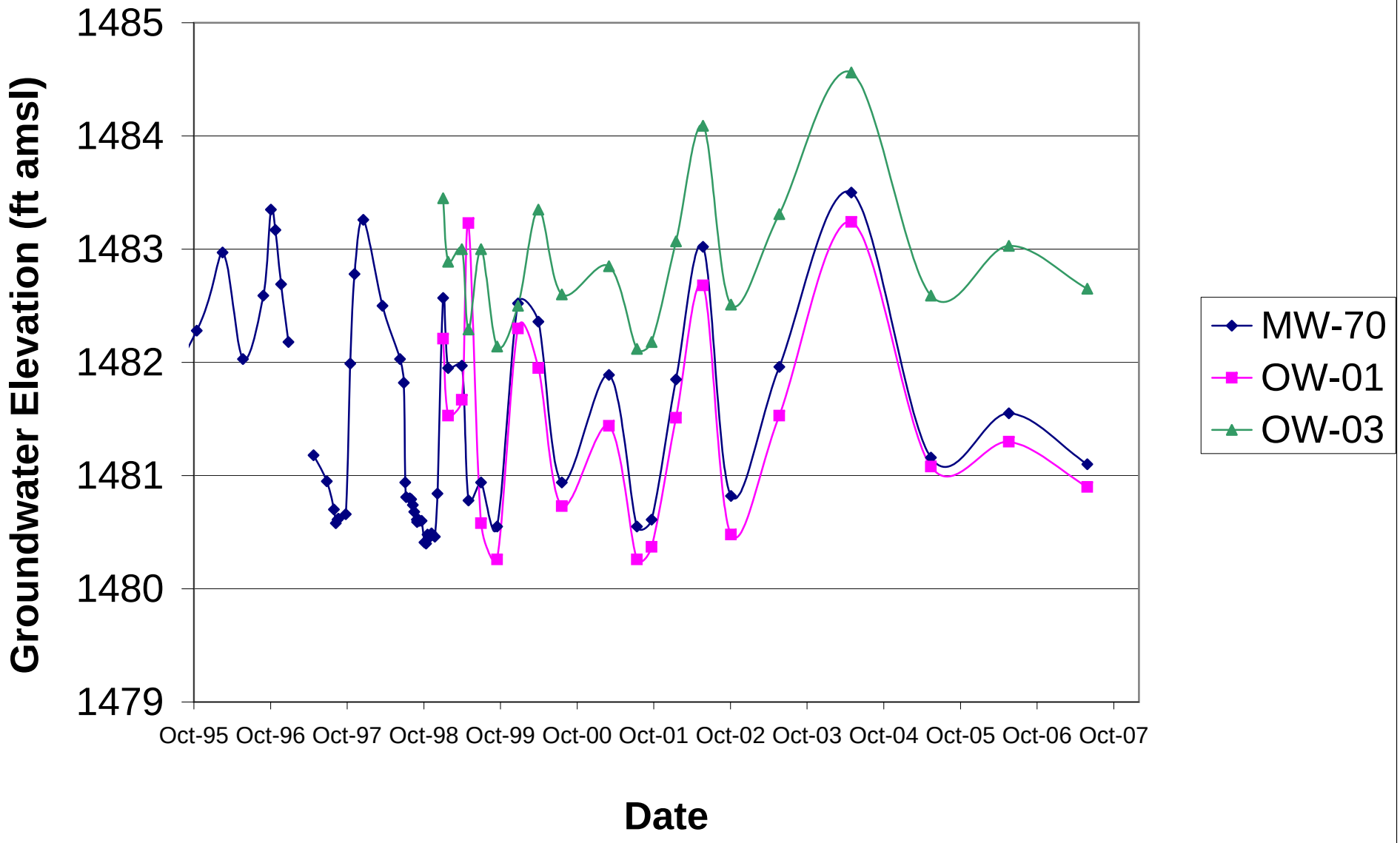


Figure 7
Central Area Groundwater Elevations

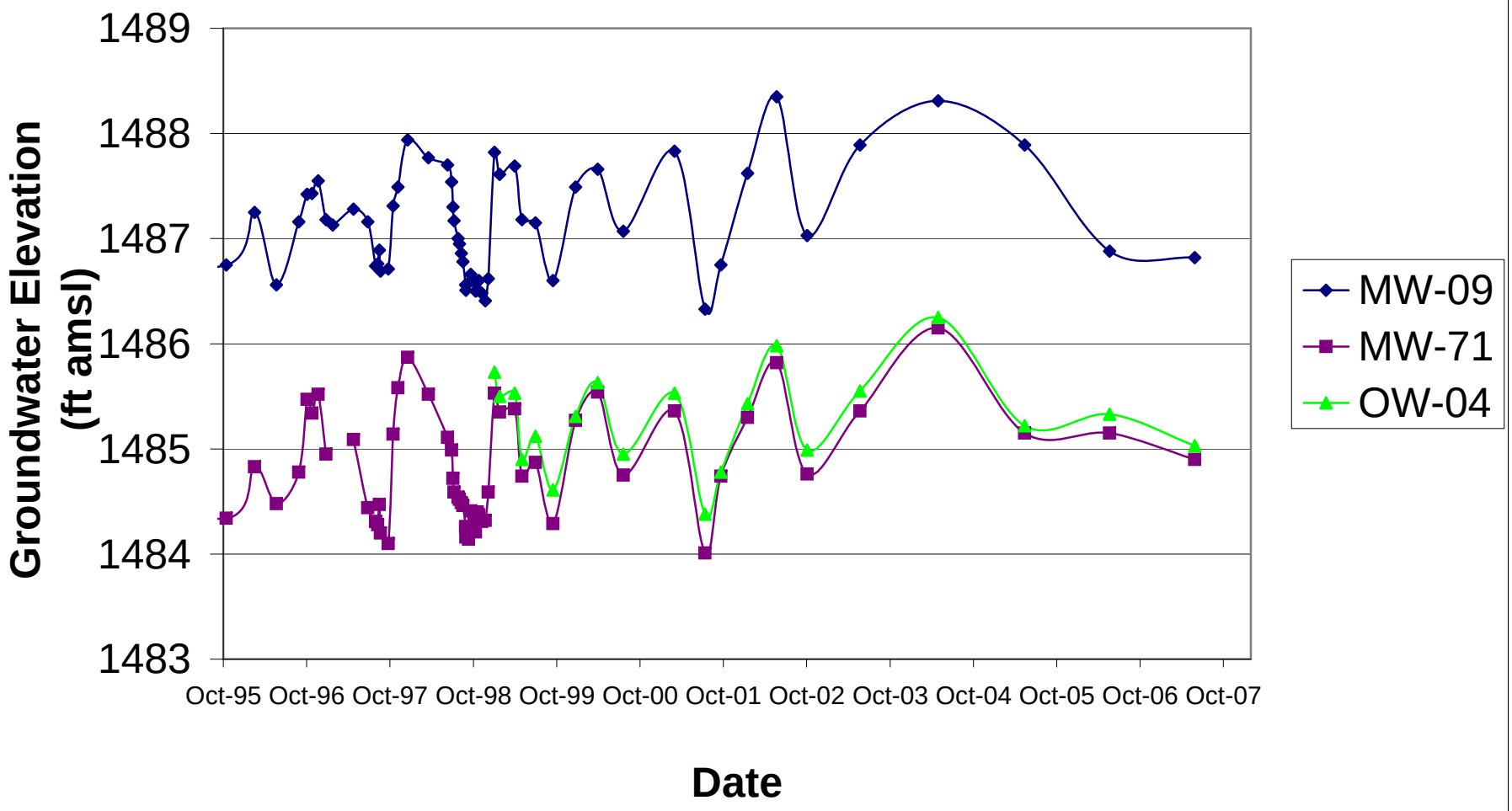
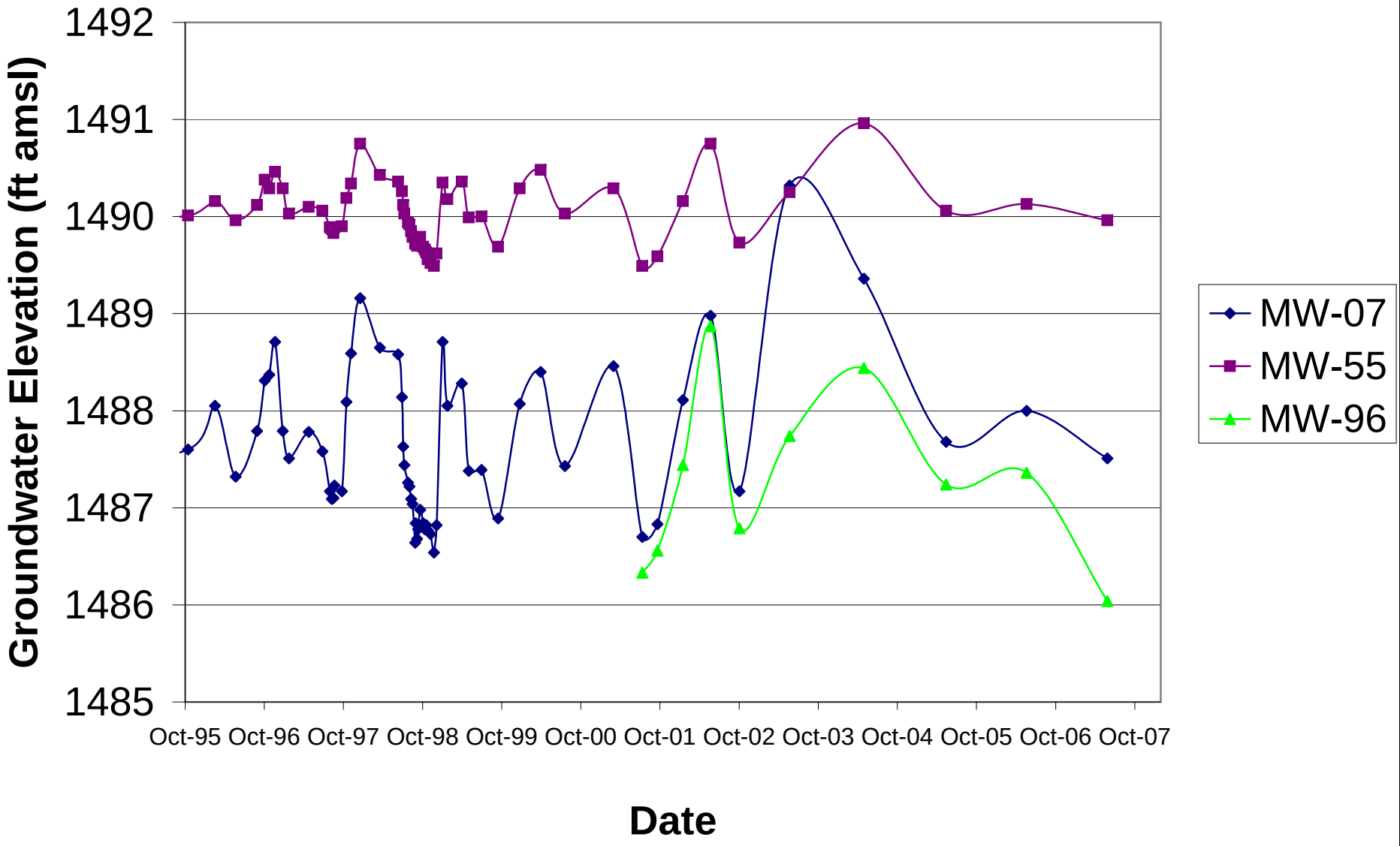


Figure 8
Southern Area Groundwater Elevations



DATA USABILITY SUMMARY REPORT FOR INTERIM GROUNDWATER MONITORING

ATLANTIC RICHFIELD COMPANY FORMER SINCLAIR REFINERY SITE (OU2) WELLSVILLE, NEW YORK

Fourteen groundwater samples, four field QC equipment blanks, and two field QC trip blanks were collected from the Former Sinclair Refinery Site in Wellsville, New York on June 19, 2007 through June 22, 2007. These samples were received by Accutest Laboratories (Accutest) within one to two days of collection on June 21, 2007, June 22, 2007, and June 23, 2007. These samples were analyzed by Accutest for the volatile organic compounds (VOCs) benzene, toluene, ethylbenzene, and total xylenes (BTEX), cis-1,2-dichloroethene, and vinyl chloride using the USEPA SW-846 8260B analytical method; nitroaromatic compounds using the USEPA SW-846 8270C analytical method; and arsenic using the USEPA SW-846 6010B analytical method. Analytical results from these project samples were validated and reviewed by On-Site Technical Services, Inc. (On-Site) for usability in accordance to the USEPA Region II SOPs for organic and inorganic data review.

SUMMARY

The groundwater samples were collected, properly preserved, shipped under a chain-of-custody (COC) record, and received by Accutest at 2.4-4.4°C. All samples were received intact and in good condition at Accutest.

The analytical data packages generated by Accutest (Accutest Job #s J64352, J64455, and J64621) were received by On-Site within 26-34 days of sample receipt at the laboratory, reviewed, and validated for custody documentation, holding times, surrogate recoveries, matrix spike/matrix spike duplicate (MS/MSD) recoveries, laboratory control sample (LCS) recoveries, laboratory method blank contamination, trip and equipment blank contamination, instrument calibrations, internal standard responses, laboratory duplicate precision, field duplicate precision, sample result verification, quantitation limits, and data completeness. The laboratory sample data were reviewed and may be qualified with the following validation flags:

"U" – not detected at the value given,
"UJ" – estimated and not detected at the value given,
"J" – estimated at the value given, and
"R" – unusable value.

The validated laboratory data were tabulated and are presented in the attached tables with the "Valid Result" and "Valid Code" columns representing changes in laboratory data resulting from data validation. Therefore, the detected aniline result for sample OW1-0607 and the detected aniline and nitrobenzene results for sample MW10-0607 were considered not detected and qualified "U" in the "Valid Code" column as a result from data validation.

VOLATILE ORGANIC ANALYSIS

The following items were reviewed for compliancy in the volatile method 8260B analyses:

- Custody documentation
- Holding times
- Surrogate recoveries
- MS/MSD precision and accuracy
- LCS recoveries
- GC/MS instrument performance
- Initial and continuing calibrations
- Laboratory method blank and equipment / trip blank contamination
- Internal standard responses
- Field duplicate precision
- Sample result verification
- Quantitation limits
- Data completeness

These items were considered compliant and acceptable in accordance with the validation protocols. Therefore, the volatile data presented by Accutest were 100% complete with all data considered usable and valid.

SEMIVOLATILE ORGANIC ANALYSIS

The following items were reviewed for compliancy in the semivolatile method 8270C analyses:

- Custody documentation
- Holding times
- Surrogate recoveries
- MS/MSD precision and accuracy
- LCS recoveries
- GC/MS instrument performance
- Initial and continuing calibrations
- Laboratory method blank and equipment blank contamination

- Internal standard responses
- Field duplicate precision
- Sample result verification
- Quantitation limits
- Data completeness

These items were considered compliant and acceptable in accordance with the validation protocols with the exception of blank contamination. The field QC equipment blank EB1-0607 associated with samples MW10-0607, OW1-0607, and MW69A-0607 contained aniline and nitrobenzene at concentrations of 2.1 and 4.9 µg/L. Therefore, results for these compounds less than the validation action concentrations for these samples were considered not detected and qualified "U".

As a result, the nitroaromatic data presented by Accutest were 100% complete with all data considered usable and valid.

METALS ANALYSIS

The following items were reviewed for compliancy in the arsenic method 6010B analyses:

- Custody documentation
- Holding times
- MS recoveries
- LCS recoveries
- Laboratory duplicate precision
- Instrument calibrations
- Interference check sample
- Laboratory method blank and equipment blank contamination
- ICP serial dilutions
- Field duplicate precision
- Sample result verification
- Quantitation limits
- Data completeness

These items were considered compliant and acceptable in accordance with the validation protocols. Therefore, the arsenic data presented by Accutest were 100% complete with all data considered usable and valid.

Analyte	casno	Method	Labsampid	Date Sampled	Validation Date	Sample	Location	Result	Code	RL	Units	Valid Result	Valid Code
Arsenic, Total	7440-38-2	SW846 6010B	J64621-2	22-Jun-07	06-Aug-07	EB3	0607	0	U	8	ug/l		
Ethylbenzene	100-41-4	SW846 8260B	J64621-2	22-Jun-07	06-Aug-07	EB3	0607	0	U	1	ug/l		
Toluene	108-88-3	SW846 8260B	J64621-2	22-Jun-07	06-Aug-07	EB3	0607	0	U	1	ug/l		
Xylene (total)	1330-20-7	SW846 8260B	J64621-2	22-Jun-07	06-Aug-07	EB3	0607	0	U	1	ug/l		
Benzene	71-43-2	SW846 8260B	J64621-2	22-Jun-07	06-Aug-07	EB3	0607	0	U	1	ug/l		
Arsenic, Total	7440-38-2	SW846 6010B	J64621-3	22-Jun-07	06-Aug-07	EB4	0607	0	U	8	ug/l		
Ethylbenzene	100-41-4	SW846 8260B	J64621-3	22-Jun-07	06-Aug-07	EB4	0607	0	U	1	ug/l		
Toluene	108-88-3	SW846 8260B	J64621-3	22-Jun-07	06-Aug-07	EB4	0607	0	U	1	ug/l		
Xylene (total)	1330-20-7	SW846 8260B	J64621-3	22-Jun-07	06-Aug-07	EB4	0607	0	U	1	ug/l		
Benzene	71-43-2	SW846 8260B	J64621-3	22-Jun-07	06-Aug-07	EB4	0607	0	U	1	ug/l		
Nitrobenzene	98-95-3	SW846 8270C	J64621-3	22-Jun-07	06-Aug-07	EB4	0607	0	U	2	ug/l		
Azobenzene	103-33-3	SW846 8270C	J64621-3	22-Jun-07	06-Aug-07	EB4	0607	0	U	5	ug/l		
Azoxybenzene	495-48-7	SW846 8270C	J64621-3	22-Jun-07	06-Aug-07	EB4	0607	0	U	5	ug/l		
Nitrosobenzene	586-96-9	SW846 8270C	J64621-3	22-Jun-07	06-Aug-07	EB4	0607	0	U	5	ug/l		
Aniline	62-53-3	SW846 8270C	J64621-3	22-Jun-07	06-Aug-07	EB4	0607	0	U	2	ug/l		
2-Aminophenol	95-55-6	SW846 8270C	J64621-3	22-Jun-07	06-Aug-07	EB4	0607	0	U	20	ug/l		
Arsenic, Total	7440-38-2	SW846 6010B	J64621-1	21-Jun-07	06-Aug-07	OW4	0607	30.2		8	ug/l		
Ethylbenzene	100-41-4	SW846 8260B	J64621-1	21-Jun-07	06-Aug-07	OW4	0607	0	U	1	ug/l		
Toluene	108-88-3	SW846 8260B	J64621-1	21-Jun-07	06-Aug-07	OW4	0607	0	U	1	ug/l		
Xylene (total)	1330-20-7	SW846 8260B	J64621-1	21-Jun-07	06-Aug-07	OW4	0607	0	U	1	ug/l		
Benzene	71-43-2	SW846 8260B	J64621-1	21-Jun-07	06-Aug-07	OW4	0607	0	U	1	ug/l		

Analyte	casno	Method	Labsampid	Date Sampled	Validation Date	Sample	Location	Result	Code	RL	Units	Valid Result	Valid Code
Ethylbenzene	100-41-4	SW846 8260B	J64455-1	20-Jun-07	06-Aug-07	OW1	0607	0	U	1	ug/l		
Toluene	108-88-3	SW846 8260B	J64455-1	20-Jun-07	06-Aug-07	OW1	0607	2.3		1	ug/l		
Xylene (total)	1330-20-7	SW846 8260B	J64455-1	20-Jun-07	06-Aug-07	OW1	0607	1.4		1	ug/l		
Benzene	71-43-2	SW846 8260B	J64455-1	20-Jun-07	06-Aug-07	OW1	0607	26.3		1	ug/l		
Arsenic, Total	7440-38-2	SW846 6010B	J64455-1	20-Jun-07	06-Aug-07	OW1	0607	53.9		8	ug/l		
Azobenzene	103-33-3	SW846 8270C	J64455-1	20-Jun-07	06-Aug-07	OW1	0607	0	U	5.6	ug/l		
Azoxybenzene	495-48-7	SW846 8270C	J64455-1	20-Jun-07	06-Aug-07	OW1	0607	0	U	5.6	ug/l		
Nitrosobenzene	586-96-9	SW846 8270C	J64455-1	20-Jun-07	06-Aug-07	OW1	0607	0	U	5.6	ug/l		
Aniline	62-53-3	SW846 8270C	J64455-1	20-Jun-07	06-Aug-07	OW1	0607	3.2		2.2	ug/l		U
2-Aminophenol	95-55-6	SW846 8270C	J64455-1	20-Jun-07	06-Aug-07	OW1	0607	0	U	22	ug/l		
Nitrobenzene	98-95-3	SW846 8270C	J64455-1	20-Jun-07	06-Aug-07	OW1	0607	0	U	2.2	ug/l		
Ethylbenzene	100-41-4	SW846 8260B	J64455-2	20-Jun-07	06-Aug-07	MW55	0607	24.7		1	ug/l		
Toluene	108-88-3	SW846 8260B	J64455-2	20-Jun-07	06-Aug-07	MW55	0607	8.7		1	ug/l		
Xylene (total)	1330-20-7	SW846 8260B	J64455-2	20-Jun-07	06-Aug-07	MW55	0607	28.2		1	ug/l		
Benzene	71-43-2	SW846 8260B	J64455-2	20-Jun-07	06-Aug-07	MW55	0607	22.9		1	ug/l		
Arsenic, Total	7440-38-2	SW846 6010B	J64455-2	20-Jun-07	06-Aug-07	MW55	0607	54.7		8	ug/l		
Ethylbenzene	100-41-4	SW846 8260B	J64455-3	20-Jun-07	06-Aug-07	EB1	0607	0	U	1	ug/l		
Toluene	108-88-3	SW846 8260B	J64455-3	20-Jun-07	06-Aug-07	EB1	0607	0	U	1	ug/l		
Xylene (total)	1330-20-7	SW846 8260B	J64455-3	20-Jun-07	06-Aug-07	EB1	0607	0	U	1	ug/l		
cis-1,2-Dichloroethene	156-59-2	SW846 8260B	J64455-3	20-Jun-07	06-Aug-07	EB1	0607	0	U	1	ug/l		
Benzene	71-43-2	SW846 8260B	J64455-3	20-Jun-07	06-Aug-07	EB1	0607	0	U	1	ug/l		
Vinyl chloride	75-01-4	SW846 8260B	J64455-3	20-Jun-07	06-Aug-07	EB1	0607	0	U	1	ug/l		
Arsenic, Total	7440-38-2	SW846 6010B	J64455-3	20-Jun-07	06-Aug-07	EB1	0607	0	U	8	ug/l		
Azobenzene	103-33-3	SW846 8270C	J64455-3	20-Jun-07	06-Aug-07	EB1	0607	0	U	5.3	ug/l		
Azoxybenzene	495-48-7	SW846 8270C	J64455-3	20-Jun-07	06-Aug-07	EB1	0607	0	U	5.3	ug/l		
Nitrosobenzene	586-96-9	SW846 8270C	J64455-3	20-Jun-07	06-Aug-07	EB1	0607	0	U	5.3	ug/l		
Aniline	62-53-3	SW846 8270C	J64455-3	20-Jun-07	06-Aug-07	EB1	0607	2.1		2.1	ug/l		
2-Aminophenol	95-55-6	SW846 8270C	J64455-3	20-Jun-07	06-Aug-07	EB1	0607	0	U	21	ug/l		
Nitrobenzene	98-95-3	SW846 8270C	J64455-3	20-Jun-07	06-Aug-07	EB1	0607	4.9		2.1	ug/l		
Ethylbenzene	100-41-4	SW846 8260B	J64455-4	20-Jun-07	06-Aug-07	EB2	0607	0	U	1	ug/l		
Toluene	108-88-3	SW846 8260B	J64455-4	20-Jun-07	06-Aug-07	EB2	0607	0	U	1	ug/l		
Xylene (total)	1330-20-7	SW846 8260B	J64455-4	20-Jun-07	06-Aug-07	EB2	0607	0	U	1	ug/l		
Benzene	71-43-2	SW846 8260B	J64455-4	20-Jun-07	06-Aug-07	EB2	0607	0	U	1	ug/l		
Arsenic, Total	7440-38-2	SW846 6010B	J64455-4	20-Jun-07	06-Aug-07	EB2	0607	0	U	8	ug/l		

Analyte	casno	Method	Labsampid	Date Sampled	Validation Date	Sample	Location	Result	Code	RL	Units	Valid Result	Valid Code
Aniline	62-53-3	SW846 8270C	J64455-5	21-Jun-07	06-Aug-07	MW70	0607	6920		440	ug/l		
Nitrobenzene	98-95-3	SW846 8270C	J64455-5	21-Jun-07	06-Aug-07	MW70	0607	10800		440	ug/l		
Ethylbenzene	100-41-4	SW846 8260B	J64455-5	21-Jun-07	06-Aug-07	MW70	0607	22.4		1	ug/l		
Toluene	108-88-3	SW846 8260B	J64455-5	21-Jun-07	06-Aug-07	MW70	0607	51.7		1	ug/l		
Xylene (total)	1330-20-7	SW846 8260B	J64455-5	21-Jun-07	06-Aug-07	MW70	0607	96.3		1	ug/l		
Benzene	71-43-2	SW846 8260B	J64455-5	21-Jun-07	06-Aug-07	MW70	0607	15.6		1	ug/l		
Arsenic, Total	7440-38-2	SW846 6010B	J64455-5	21-Jun-07	06-Aug-07	MW70	0607	41.1		8	ug/l		
Azobenzene	103-33-3	SW846 8270C	J64455-5	21-Jun-07	06-Aug-07	MW70	0607	0	U	5.5	ug/l		
Azoxybenzene	495-48-7	SW846 8270C	J64455-5	21-Jun-07	06-Aug-07	MW70	0607	0	U	5.5	ug/l		
Nitrosobenzene	586-96-9	SW846 8270C	J64455-5	21-Jun-07	06-Aug-07	MW70	0607	0	U	5.5	ug/l		
2-Aminophenol	95-55-6	SW846 8270C	J64455-5	21-Jun-07	06-Aug-07	MW70	0607	0	U	22	ug/l		
Aniline	62-53-3	SW846 8270C	J64455-6	21-Jun-07	06-Aug-07	DUP1	0607	6170		400	ug/l		
Nitrobenzene	98-95-3	SW846 8270C	J64455-6	21-Jun-07	06-Aug-07	DUP1	0607	9260		400	ug/l		
Ethylbenzene	100-41-4	SW846 8260B	J64455-6	21-Jun-07	06-Aug-07	DUP1	0607	24.1		1	ug/l		
Toluene	108-88-3	SW846 8260B	J64455-6	21-Jun-07	06-Aug-07	DUP1	0607	54.9		1	ug/l		
Xylene (total)	1330-20-7	SW846 8260B	J64455-6	21-Jun-07	06-Aug-07	DUP1	0607	103		1	ug/l		
Benzene	71-43-2	SW846 8260B	J64455-6	21-Jun-07	06-Aug-07	DUP1	0607	17.1		1	ug/l		
Arsenic, Total	7440-38-2	SW846 6010B	J64455-6	21-Jun-07	06-Aug-07	DUP1	0607	35.4		8	ug/l		
Azobenzene	103-33-3	SW846 8270C	J64455-6	21-Jun-07	06-Aug-07	DUP1	0607	0	U	5	ug/l		
Azoxybenzene	495-48-7	SW846 8270C	J64455-6	21-Jun-07	06-Aug-07	DUP1	0607	0	U	5	ug/l		
Nitrosobenzene	586-96-9	SW846 8270C	J64455-6	21-Jun-07	06-Aug-07	DUP1	0607	0	U	5	ug/l		
2-Aminophenol	95-55-6	SW846 8270C	J64455-6	21-Jun-07	06-Aug-07	DUP1	0607	0	U	20	ug/l		
Ethylbenzene	100-41-4	SW846 8260B	J64455-7	21-Jun-07	06-Aug-07	MW7	0607	0	U	1	ug/l		
Toluene	108-88-3	SW846 8260B	J64455-7	21-Jun-07	06-Aug-07	MW7	0607	2.1		1	ug/l		
Xylene (total)	1330-20-7	SW846 8260B	J64455-7	21-Jun-07	06-Aug-07	MW7	0607	2.9		1	ug/l		
Benzene	71-43-2	SW846 8260B	J64455-7	21-Jun-07	06-Aug-07	MW7	0607	3.6		1	ug/l		
Arsenic, Total	7440-38-2	SW846 6010B	J64455-7	21-Jun-07	06-Aug-07	MW7	0607	14.9		8	ug/l		
Aniline	62-53-3	SW846 8270C	J64455-8	21-Jun-07	06-Aug-07	OW3	0607	1670		42	ug/l		
Nitrobenzene	98-95-3	SW846 8270C	J64455-8	21-Jun-07	06-Aug-07	OW3	0607	1690		42	ug/l		
Ethylbenzene	100-41-4	SW846 8260B	J64455-8	21-Jun-07	06-Aug-07	OW3	0607	5.9		1	ug/l		
Toluene	108-88-3	SW846 8260B	J64455-8	21-Jun-07	06-Aug-07	OW3	0607	9.1		1	ug/l		
Xylene (total)	1330-20-7	SW846 8260B	J64455-8	21-Jun-07	06-Aug-07	OW3	0607	18.3		1	ug/l		
Benzene	71-43-2	SW846 8260B	J64455-8	21-Jun-07	06-Aug-07	OW3	0607	6.9		1	ug/l		
Arsenic, Total	7440-38-2	SW846 6010B	J64455-8	21-Jun-07	06-Aug-07	OW3	0607	0	U	8	ug/l		
Azobenzene	103-33-3	SW846 8270C	J64455-8	21-Jun-07	06-Aug-07	OW3	0607	0	U	5.3	ug/l		
Azoxybenzene	495-48-7	SW846 8270C	J64455-8	21-Jun-07	06-Aug-07	OW3	0607	0	U	5.3	ug/l		
Nitrosobenzene	586-96-9	SW846 8270C	J64455-8	21-Jun-07	06-Aug-07	OW3	0607	0	U	5.3	ug/l		
2-Aminophenol	95-55-6	SW846 8270C	J64455-8	21-Jun-07	06-Aug-07	OW3	0607	0	U	21	ug/l		

Analyte	casno	Method	Labsampid	Date Sampled	Validation Date	Sample	Location	Result	Code	RL	Units	Valid Result	Valid Code
Ethylbenzene	100-41-4	SW846 8260B	J64455-9	21-Jun-07	06-Aug-07	MW96	0607	0	U	1	ug/l		
Toluene	108-88-3	SW846 8260B	J64455-9	21-Jun-07	06-Aug-07	MW96	0607	0	U	1	ug/l		
Xylene (total)	1330-20-7	SW846 8260B	J64455-9	21-Jun-07	06-Aug-07	MW96	0607	0	U	1	ug/l		
Benzene	71-43-2	SW846 8260B	J64455-9	21-Jun-07	06-Aug-07	MW96	0607	2.5		1	ug/l		
Arsenic, Total	7440-38-2	SW846 6010B	J64455-9	21-Jun-07	06-Aug-07	MW96	0607	30.6		8	ug/l		
Ethylbenzene	100-41-4	SW846 8260B	J64455-10	21-Jun-07	06-Aug-07	UNK	TRIP BLANK	0	U	1	ug/l		
Toluene	108-88-3	SW846 8260B	J64455-10	21-Jun-07	06-Aug-07	UNK	TRIP BLANK	0	U	1	ug/l		
Xylene (total)	1330-20-7	SW846 8260B	J64455-10	21-Jun-07	06-Aug-07	UNK	TRIP BLANK	0	U	1	ug/l		
Benzene	71-43-2	SW846 8260B	J64455-10	21-Jun-07	06-Aug-07	UNK	TRIP BLANK	0	U	1	ug/l		

Analyte	casno	Method	Labsampid	Date Sampled	Validation Date	Sample	Location	Result	Code	RL	Units	Valid Result	Valid Code
Ethylbenzene	100-41-4	SW846 8260B	J64352-1	19-Jun-07	06-Aug-07	MW11	0607	0	U	1	ug/l		
Toluene	108-88-3	SW846 8260B	J64352-1	19-Jun-07	06-Aug-07	MW11	0607	0	U	1	ug/l		
Xylene (total)	1330-20-7	SW846 8260B	J64352-1	19-Jun-07	06-Aug-07	MW11	0607	0	U	1	ug/l		
Benzene	71-43-2	SW846 8260B	J64352-1	19-Jun-07	06-Aug-07	MW11	0607	0	U	1	ug/l		
Arsenic, Total	7440-38-2	SW846 6010B	J64352-1	19-Jun-07	06-Aug-07	MW11	0607	35		8	ug/l		
Ethylbenzene	100-41-4	SW846 8260B	J64352-2	19-Jun-07	06-Aug-07	MW78	0607	0	U	1	ug/l		
Toluene	108-88-3	SW846 8260B	J64352-2	19-Jun-07	06-Aug-07	MW78	0607	0	U	1	ug/l		
Xylene (total)	1330-20-7	SW846 8260B	J64352-2	19-Jun-07	06-Aug-07	MW78	0607	0.42	J	1	ug/l		
Benzene	71-43-2	SW846 8260B	J64352-2	19-Jun-07	06-Aug-07	MW78	0607	8.5		1	ug/l		
Arsenic, Total	7440-38-2	SW846 6010B	J64352-2	19-Jun-07	06-Aug-07	MW78	0607	42.7		8	ug/l		
Arsenic, Total	7440-38-2	SW846 6010B	J64352-3	20-Jun-07	06-Aug-07	MW69A	0607	81.6		8	ug/l		
Ethylbenzene	100-41-4	SW846 8260B	J64352-3	20-Jun-07	06-Aug-07	MW69A	0607	0	U	1	ug/l		
Toluene	108-88-3	SW846 8260B	J64352-3	20-Jun-07	06-Aug-07	MW69A	0607	0	U	1	ug/l		
Xylene (total)	1330-20-7	SW846 8260B	J64352-3	20-Jun-07	06-Aug-07	MW69A	0607	0	U	1	ug/l		
cis-1,2-Dichloroethene	156-59-2	SW846 8260B	J64352-3	20-Jun-07	06-Aug-07	MW69A	0607	0	U	1	ug/l		
Benzene	71-43-2	SW846 8260B	J64352-3	20-Jun-07	06-Aug-07	MW69A	0607	25.1		1	ug/l		
Vinyl chloride	75-01-4	SW846 8260B	J64352-3	20-Jun-07	06-Aug-07	MW69A	0607	0	U	1	ug/l		
Ethylbenzene	100-41-4	SW846 8260B	J64352-4	20-Jun-07	06-Aug-07	MW9	0607	0	U	1	ug/l		
Toluene	108-88-3	SW846 8260B	J64352-4	20-Jun-07	06-Aug-07	MW9	0607	0	U	1	ug/l		
Xylene (total)	1330-20-7	SW846 8260B	J64352-4	20-Jun-07	06-Aug-07	MW9	0607	0.78	J	1	ug/l		
Benzene	71-43-2	SW846 8260B	J64352-4	20-Jun-07	06-Aug-07	MW9	0607	2.2		1	ug/l		
Arsenic, Total	7440-38-2	SW846 6010B	J64352-4	20-Jun-07	06-Aug-07	MW9	0607	0	U	8	ug/l		
Ethylbenzene	100-41-4	SW846 8260B	J64352-5	20-Jun-07	06-Aug-07	MW10	0607	0	U	1	ug/l		
Toluene	108-88-3	SW846 8260B	J64352-5	20-Jun-07	06-Aug-07	MW10	0607	0	U	1	ug/l		
Xylene (total)	1330-20-7	SW846 8260B	J64352-5	20-Jun-07	06-Aug-07	MW10	0607	0	U	1	ug/l		
cis-1,2-Dichloroethene	156-59-2	SW846 8260B	J64352-5	20-Jun-07	06-Aug-07	MW10	0607	0	U	1	ug/l		
Benzene	71-43-2	SW846 8260B	J64352-5	20-Jun-07	06-Aug-07	MW10	0607	0	U	1	ug/l		
Vinyl chloride	75-01-4	SW846 8260B	J64352-5	20-Jun-07	06-Aug-07	MW10	0607	0	U	1	ug/l		
Arsenic, Total	7440-38-2	SW846 6010B	J64352-5	20-Jun-07	06-Aug-07	MW10	0607	26.8		8	ug/l		
Azobenzene	103-33-3	SW846 8270C	J64352-5	20-Jun-07	06-Aug-07	MW10	0607	0	U	5.4	ug/l		
Azoxybenzene	495-48-7	SW846 8270C	J64352-5	20-Jun-07	06-Aug-07	MW10	0607	0	U	5.4	ug/l		
Nitrosobenzene	586-96-9	SW846 8270C	J64352-5	20-Jun-07	06-Aug-07	MW10	0607	0	U	5.4	ug/l		
Aniline	62-53-3	SW846 8270C	J64352-5	20-Jun-07	06-Aug-07	MW10	0607	0.73	J	2.2	ug/l	2.2	U
2-Aminophenol	95-55-6	SW846 8270C	J64352-5	20-Jun-07	06-Aug-07	MW10	0607	0	U	22	ug/l		
Nitrobenzene	98-95-3	SW846 8270C	J64352-5	20-Jun-07	06-Aug-07	MW10	0607	0.63	J	2.2	ug/l	2.2	U
Ethylbenzene	100-41-4	SW846 8260B	J64352-6	20-Jun-07	06-Aug-07	MW71	0607	0	U	1	ug/l		
Toluene	108-88-3	SW846 8260B	J64352-6	20-Jun-07	06-Aug-07	MW71	0607	0	U	1	ug/l		
Xylene (total)	1330-20-7	SW846 8260B	J64352-6	20-Jun-07	06-Aug-07	MW71	0607	0	U	1	ug/l		
Benzene	71-43-2	SW846 8260B	J64352-6	20-Jun-07	06-Aug-07	MW71	0607	0	U	1	ug/l		

Analyte	casno	Method	Labsampid	Date Sampled	Validation Date	Sample	Location	Result	Code	RL	Units	Valid Result	Valid Code
Arsenic, Total	7440-38-2	SW846 6010B	J64352-6	20-Jun-07	06-Aug-07	MW71	0607	0	U	8	ug/l		
Ethylbenzene	100-41-4	SW846 8260B	J64352-7	20-Jun-07	06-Aug-07	UNK	TRIP BLANK	0	U	1	ug/l		
Toluene	108-88-3	SW846 8260B	J64352-7	20-Jun-07	06-Aug-07	UNK	TRIP BLANK	0	U	1	ug/l		
Xylene (total)	1330-20-7	SW846 8260B	J64352-7	20-Jun-07	06-Aug-07	UNK	TRIP BLANK	0	U	1	ug/l		
Benzene	71-43-2	SW846 8260B	J64352-7	20-Jun-07	06-Aug-07	UNK	TRIP BLANK	0	U	1	ug/l		

DATA USABILITY SUMMARY REPORT FOR JANUARY 2007 MONTHLY COMPLIANCE MONITORING

ATLANTIC RICHFIELD COMPANY FORMER SINCLAIR REFINERY SITE (OU2) WELLSVILLE, NEW YORK

Three groundwater samples and one field QC trip blank were collected from the Former Sinclair Refinery Site in Wellsville, New York on January 3, 2007. These samples were received by Accutest Laboratories (Accutest) within one day of collection on January 4, 2007. These samples were analyzed by Accutest for halogenated volatile organic compounds (VOCs) and the VOCs benzene, toluene, ethylbenzene, and total xylenes (BTEX) using the USEPA method 624; total metals using the USEPA method 200.7; total cyanide using the USEPA method 335.3; and oil and grease using the USEPA SW-846 method 1664A. Analytical results from these project samples were validated and reviewed by On-Site Technical Services, Inc. (On-Site) for usability in accordance to the USEPA Region II SOPs for organic and inorganic data review.

SUMMARY

The groundwater samples were collected, properly preserved, shipped under a chain-of-custody (COC) record, and received by Accutest at 4°C. All samples were received intact and in good condition at Accutest.

The analytical data package generated by Accutest (Accutest Job # J50601) was received by On-Site within 21 days of sample receipt at the laboratory, reviewed, and validated for custody documentation, holding times, surrogate recoveries, matrix spike/matrix spike duplicate (MS/MSD) recoveries, laboratory control sample (LCS) recoveries, laboratory method blank contamination, trip blank contamination, instrument calibrations, internal standard responses, laboratory duplicate precision, quantitation limits, and data completeness. The laboratory sample data were reviewed and may be qualified with the following validation flags:

"U" – not detected at the value given,
"UJ" – estimated and not detected at the value given,
"J" – estimated at the value given, and
"R" – unusable value.

The validated laboratory data were tabulated and are presented in the attached table with the "Valid Result" and "Valid Code" columns representing changes in

laboratory data resulting from data validation. However, the laboratory data did not require qualification resulting from data validation for these samples. Therefore, there were no changes to the laboratory data presented in the attached table.

VOLATILE ORGANIC ANALYSIS

The following items were reviewed for compliancy in the volatile method 624 analyses:

- Custody documentation
- Holding times
- Surrogate recoveries
- MS/MSD precision and accuracy
- LCS recoveries
- GC/MS instrument performance
- Initial and continuing calibrations
- Laboratory method blank and trip blank contamination
- Internal standard responses
- Quantitation limits
- Data completeness

These items were considered compliant and acceptable in accordance with the validation protocols. Therefore, the volatile data presented by Accutest were 100% complete with all data considered usable and valid.

INORGANIC AND OIL AND GREASE ANALYSIS

The following items were reviewed for compliancy in the metals method 200.7, total cyanide method 335.3, and oil and grease method 1664A analyses:

- Custody documentation
- Holding times
- MS recoveries
- LCS recoveries
- Laboratory duplicate precision
- Instrument calibrations
- Interference check sample
- Laboratory method blank contamination
- ICP serial dilutions
- Quantitation limits
- Data completeness

These items were considered compliant and acceptable in accordance with the validation protocols. Therefore, the inorganic data and the oil and grease data presented by Accutest were 100% complete with all data considered usable and valid.

Analyte	casno	Method	Labsampid	Date Sampled	Validation Date	Sample	ID	Result	Code	RL	Units	Valid Result	Valid Code
Chromium, Total	7440-47-3	EPA 200.7	J50601-1	03-Jan-07	29-Jan-07	SP114	0107	0	U	10	ug/l		
Copper, Total	7440-50-8	EPA 200.7	J50601-1	03-Jan-07	29-Jan-07	SP114	0107	0	U	25	ug/l		
Zinc, Total	7440-66-6	EPA 200.7	J50601-1	03-Jan-07	29-Jan-07	SP114	0107	0	U	20	ug/l		
Ethylbenzene	100-41-4	EPA 624	J50601-1	03-Jan-07	29-Jan-07	SP114	0107	3.7		1	ug/l		
cis-1,3-Dichloropropene	10061-01-5	EPA 624	J50601-1	03-Jan-07	29-Jan-07	SP114	0107	0	U	1	ug/l		
Aluminum, Total	7429-90-5	EPA 200.7	J50601-1	03-Jan-07	29-Jan-07	SP114	0107	0	U	100	ug/l		
Iron, Total	7439-89-6	EPA 200.7	J50601-1	03-Jan-07	29-Jan-07	SP114	0107	44700		100	ug/l		
Lead, Total	7439-92-1	EPA 200.7	J50601-1	03-Jan-07	29-Jan-07	SP114	0107	0	U	3	ug/l		
Nickel, Total	7440-02-0	EPA 200.7	J50601-1	03-Jan-07	29-Jan-07	SP114	0107	0	U	40	ug/l		
Arsenic, Total	7440-38-2	EPA 200.7	J50601-1	03-Jan-07	29-Jan-07	SP114	0107	112		8	ug/l		
trans-1,3-Dichloropropene	10061-02-6	EPA 624	J50601-1	03-Jan-07	29-Jan-07	SP114	0107	0	U	1	ug/l		
1,4-Dichlorobenzene	106-46-7	EPA 624	J50601-1	03-Jan-07	29-Jan-07	SP114	0107	0	U	1	ug/l		
1,2-Dichloroethane	107-06-2	EPA 624	J50601-1	03-Jan-07	29-Jan-07	SP114	0107	0	U	1	ug/l		
Toluene	108-88-3	EPA 624	J50601-1	03-Jan-07	29-Jan-07	SP114	0107	6.1		1	ug/l		
Chlorobenzene	108-90-7	EPA 624	J50601-1	03-Jan-07	29-Jan-07	SP114	0107	0.69	J	1	ug/l		
Dibromochloromethane	124-48-1	EPA 624	J50601-1	03-Jan-07	29-Jan-07	SP114	0107	0	U	1	ug/l		
Tetrachloroethene	127-18-4	EPA 624	J50601-1	03-Jan-07	29-Jan-07	SP114	0107	0	U	1	ug/l		
Xylenes (total)	1330-20-7	EPA 624	J50601-1	03-Jan-07	29-Jan-07	SP114	0107	8.2		1	ug/l		
cis-1,2-Dichloroethene	156-59-2	EPA 624	J50601-1	03-Jan-07	29-Jan-07	SP114	0107	12		1	ug/l		
trans-1,2-Dichloroethene	156-60-5	EPA 624	J50601-1	03-Jan-07	29-Jan-07	SP114	0107	0.58	J	1	ug/l		
1,3-Dichlorobenzene	541-73-1	EPA 624	J50601-1	03-Jan-07	29-Jan-07	SP114	0107	0	U	1	ug/l		
Carbon tetrachloride	56-23-5	EPA 624	J50601-1	03-Jan-07	29-Jan-07	SP114	0107	0	U	1	ug/l		
Chloroform	67-66-3	EPA 624	J50601-1	03-Jan-07	29-Jan-07	SP114	0107	0	U	1	ug/l		
Benzene	71-43-2	EPA 624	J50601-1	03-Jan-07	29-Jan-07	SP114	0107	72.2		1	ug/l		
1,1,1-Trichloroethane	71-55-6	EPA 624	J50601-1	03-Jan-07	29-Jan-07	SP114	0107	4.7		1	ug/l		
Methyl bromide	74-83-9	EPA 624	J50601-1	03-Jan-07	29-Jan-07	SP114	0107	0	U	1	ug/l		
Chloromethane	74-87-3	EPA 624	J50601-1	03-Jan-07	29-Jan-07	SP114	0107	0	U	1	ug/l		
Chloroethane	75-00-3	EPA 624	J50601-1	03-Jan-07	29-Jan-07	SP114	0107	0	U	1	ug/l		
Vinyl chloride	75-01-4	EPA 624	J50601-1	03-Jan-07	29-Jan-07	SP114	0107	53.7		2	ug/l		
Methylene chloride	75-09-2	EPA 624	J50601-1	03-Jan-07	29-Jan-07	SP114	0107	0	U	1	ug/l		
Bromoform	75-25-2	EPA 624	J50601-1	03-Jan-07	29-Jan-07	SP114	0107	0	U	1	ug/l		
Bromodichloromethane	75-27-4	EPA 624	J50601-1	03-Jan-07	29-Jan-07	SP114	0107	0	U	1	ug/l		
1,1-Dichloroethane	75-34-3	EPA 624	J50601-1	03-Jan-07	29-Jan-07	SP114	0107	14.8		1	ug/l		
1,1-Dichloroethene	75-35-4	EPA 624	J50601-1	03-Jan-07	29-Jan-07	SP114	0107	0	U	1	ug/l		
Trichlorofluoromethane	75-69-4	EPA 624	J50601-1	03-Jan-07	29-Jan-07	SP114	0107	0	U	2	ug/l		
Dichlorodifluoromethane	75-71-8	EPA 624	J50601-1	03-Jan-07	29-Jan-07	SP114	0107	0	U	2	ug/l		
1,2-Dichloropropane	78-87-5	EPA 624	J50601-1	03-Jan-07	29-Jan-07	SP114	0107	0	U	1	ug/l		
1,1,2-Trichloroethane	79-00-5	EPA 624	J50601-1	03-Jan-07	29-Jan-07	SP114	0107	0	U	1	ug/l		
Trichloroethene	79-01-6	EPA 624	J50601-1	03-Jan-07	29-Jan-07	SP114	0107	0	U	1	ug/l		
1,1,2,2-Tetrachloroethane	79-34-5	EPA 624	J50601-1	03-Jan-07	29-Jan-07	SP114	0107	0	U	1	ug/l		
1,2-Dichlorobenzene	95-50-1	EPA 624	J50601-1	03-Jan-07	29-Jan-07	SP114	0107	0	U	1	ug/l		

Analyte	casno	Method	Labsampid	Date Sampled	Validation Date	Sample	ID	Result	Code	RL	Units	Valid Result	Valid Code
Ethylbenzene	100-41-4	EPA 624	J50601-2	03-Jan-07	29-Jan-07	SP217	0107	0	U	1	ug/l		
cis-1,3-Dichloropropene	10061-01-5	EPA 624	J50601-2	03-Jan-07	29-Jan-07	SP217	0107	0	U	1	ug/l		
trans-1,3-Dichloropropene	10061-02-6	EPA 624	J50601-2	03-Jan-07	29-Jan-07	SP217	0107	0	U	1	ug/l		
1,4-Dichlorobenzene	106-46-7	EPA 624	J50601-2	03-Jan-07	29-Jan-07	SP217	0107	0	U	1	ug/l		
1,2-Dichloroethane	107-06-2	EPA 624	J50601-2	03-Jan-07	29-Jan-07	SP217	0107	0	U	1	ug/l		
Toluene	108-88-3	EPA 624	J50601-2	03-Jan-07	29-Jan-07	SP217	0107	0	U	1	ug/l		
Chlorobenzene	108-90-7	EPA 624	J50601-2	03-Jan-07	29-Jan-07	SP217	0107	0	U	1	ug/l		
Dibromochloromethane	124-48-1	EPA 624	J50601-2	03-Jan-07	29-Jan-07	SP217	0107	0	U	1	ug/l		
Tetrachloroethene	127-18-4	EPA 624	J50601-2	03-Jan-07	29-Jan-07	SP217	0107	0	U	1	ug/l		
Xylenes (total)	1330-20-7	EPA 624	J50601-2	03-Jan-07	29-Jan-07	SP217	0107	0	U	1	ug/l		
cis-1,2-Dichloroethene	156-59-2	EPA 624	J50601-2	03-Jan-07	29-Jan-07	SP217	0107	1.1		1	ug/l		
trans-1,2-Dichloroethene	156-60-5	EPA 624	J50601-2	03-Jan-07	29-Jan-07	SP217	0107	0	U	1	ug/l		
1,3-Dichlorobenzene	541-73-1	EPA 624	J50601-2	03-Jan-07	29-Jan-07	SP217	0107	0	U	1	ug/l		
Carbon tetrachloride	56-23-5	EPA 624	J50601-2	03-Jan-07	29-Jan-07	SP217	0107	0	U	1	ug/l		
Chloroform	67-66-3	EPA 624	J50601-2	03-Jan-07	29-Jan-07	SP217	0107	1.2		1	ug/l		
Benzene	71-43-2	EPA 624	J50601-2	03-Jan-07	29-Jan-07	SP217	0107	0	U	1	ug/l		
1,1,1-Trichloroethane	71-55-6	EPA 624	J50601-2	03-Jan-07	29-Jan-07	SP217	0107	0.36	J	1	ug/l		
Methyl bromide	74-83-9	EPA 624	J50601-2	03-Jan-07	29-Jan-07	SP217	0107	0	U	1	ug/l		
Chloromethane	74-87-3	EPA 624	J50601-2	03-Jan-07	29-Jan-07	SP217	0107	0	U	1	ug/l		
Chloroethane	75-00-3	EPA 624	J50601-2	03-Jan-07	29-Jan-07	SP217	0107	0	U	1	ug/l		
Vinyl chloride	75-01-4	EPA 624	J50601-2	03-Jan-07	29-Jan-07	SP217	0107	0	U	2	ug/l		
Methylene chloride	75-09-2	EPA 624	J50601-2	03-Jan-07	29-Jan-07	SP217	0107	0	U	1	ug/l		
Bromoform	75-25-2	EPA 624	J50601-2	03-Jan-07	29-Jan-07	SP217	0107	0	U	1	ug/l		
Bromodichloromethane	75-27-4	EPA 624	J50601-2	03-Jan-07	29-Jan-07	SP217	0107	0.34	J	1	ug/l		
1,1-Dichloroethane	75-34-3	EPA 624	J50601-2	03-Jan-07	29-Jan-07	SP217	0107	3		1	ug/l		
1,1-Dichloroethene	75-35-4	EPA 624	J50601-2	03-Jan-07	29-Jan-07	SP217	0107	0	U	1	ug/l		
Trichlorofluoromethane	75-69-4	EPA 624	J50601-2	03-Jan-07	29-Jan-07	SP217	0107	0	U	2	ug/l		
Dichlorodifluoromethane	75-71-8	EPA 624	J50601-2	03-Jan-07	29-Jan-07	SP217	0107	0	U	2	ug/l		
1,2-Dichloropropane	78-87-5	EPA 624	J50601-2	03-Jan-07	29-Jan-07	SP217	0107	0	U	1	ug/l		
1,1,2-Trichloroethane	79-00-5	EPA 624	J50601-2	03-Jan-07	29-Jan-07	SP217	0107	0	U	1	ug/l		
Trichloroethene	79-01-6	EPA 624	J50601-2	03-Jan-07	29-Jan-07	SP217	0107	0	U	1	ug/l		
1,1,2,2-Tetrachloroethane	79-34-5	EPA 624	J50601-2	03-Jan-07	29-Jan-07	SP217	0107	0	U	1	ug/l		
1,2-Dichlorobenzene	95-50-1	EPA 624	J50601-2	03-Jan-07	29-Jan-07	SP217	0107	0	U	1	ug/l		

Analyte	casno	Method	Labsampid	Date Sampled	Validation Date	Sample	ID	Result	Code	RL	Units	Valid Result	Valid Code
Oil And Grease		EPA 1664A	J50601-3	03-Jan-07	29-Jan-07	SP219	0107	0	U	5.1	mg/l		
Ethylbenzene	100-41-4	EPA 624	J50601-3	03-Jan-07	29-Jan-07	SP219	0107	0	U	1	ug/l		
cis-1,3-Dichloropropene	10061-01-5	EPA 624	J50601-3	03-Jan-07	29-Jan-07	SP219	0107	0	U	1	ug/l		
trans-1,3-Dichloropropene	10061-02-6	EPA 624	J50601-3	03-Jan-07	29-Jan-07	SP219	0107	0	U	1	ug/l		
1,4-Dichlorobenzene	106-46-7	EPA 624	J50601-3	03-Jan-07	29-Jan-07	SP219	0107	0	U	1	ug/l		
1,2-Dichloroethane	107-06-2	EPA 624	J50601-3	03-Jan-07	29-Jan-07	SP219	0107	0	U	1	ug/l		
Toluene	108-88-3	EPA 624	J50601-3	03-Jan-07	29-Jan-07	SP219	0107	0	U	1	ug/l		
Chlorobenzene	108-90-7	EPA 624	J50601-3	03-Jan-07	29-Jan-07	SP219	0107	0	U	1	ug/l		
Dibromochloromethane	124-48-1	EPA 624	J50601-3	03-Jan-07	29-Jan-07	SP219	0107	0	U	1	ug/l		
Tetrachloroethene	127-18-4	EPA 624	J50601-3	03-Jan-07	29-Jan-07	SP219	0107	0	U	1	ug/l		
Xylenes (total)	1330-20-7	EPA 624	J50601-3	03-Jan-07	29-Jan-07	SP219	0107	0	U	1	ug/l		
cis-1,2-Dichloroethene	156-59-2	EPA 624	J50601-3	03-Jan-07	29-Jan-07	SP219	0107	0	U	1	ug/l		
trans-1,2-Dichloroethene	156-60-5	EPA 624	J50601-3	03-Jan-07	29-Jan-07	SP219	0107	0	U	1	ug/l		
1,3-Dichlorobenzene	541-73-1	EPA 624	J50601-3	03-Jan-07	29-Jan-07	SP219	0107	0	U	1	ug/l		
Carbon tetrachloride	56-23-5	EPA 624	J50601-3	03-Jan-07	29-Jan-07	SP219	0107	0	U	1	ug/l		
Chloroform	67-66-3	EPA 624	J50601-3	03-Jan-07	29-Jan-07	SP219	0107	1.4		1	ug/l		
Benzene	71-43-2	EPA 624	J50601-3	03-Jan-07	29-Jan-07	SP219	0107	0	U	1	ug/l		
1,1,1-Trichloroethane	71-55-6	EPA 624	J50601-3	03-Jan-07	29-Jan-07	SP219	0107	0.36	J	1	ug/l		
Methyl bromide	74-83-9	EPA 624	J50601-3	03-Jan-07	29-Jan-07	SP219	0107	0	U	1	ug/l		
Chloromethane	74-87-3	EPA 624	J50601-3	03-Jan-07	29-Jan-07	SP219	0107	0	U	1	ug/l		
Chloroethane	75-00-3	EPA 624	J50601-3	03-Jan-07	29-Jan-07	SP219	0107	0	U	1	ug/l		
Vinyl chloride	75-01-4	EPA 624	J50601-3	03-Jan-07	29-Jan-07	SP219	0107	0	U	2	ug/l		
Methylene chloride	75-09-2	EPA 624	J50601-3	03-Jan-07	29-Jan-07	SP219	0107	0	U	1	ug/l		
Bromoform	75-25-2	EPA 624	J50601-3	03-Jan-07	29-Jan-07	SP219	0107	0	U	1	ug/l		
Bromodichloromethane	75-27-4	EPA 624	J50601-3	03-Jan-07	29-Jan-07	SP219	0107	0	U	1	ug/l		
1,1-Dichloroethane	75-34-3	EPA 624	J50601-3	03-Jan-07	29-Jan-07	SP219	0107	3.9		1	ug/l		
1,1-Dichloroethene	75-35-4	EPA 624	J50601-3	03-Jan-07	29-Jan-07	SP219	0107	0	U	1	ug/l		
Trichlorofluoromethane	75-69-4	EPA 624	J50601-3	03-Jan-07	29-Jan-07	SP219	0107	0	U	2	ug/l		
Dichlorodifluoromethane	75-71-8	EPA 624	J50601-3	03-Jan-07	29-Jan-07	SP219	0107	0	U	2	ug/l		
1,2-Dichloropropane	78-87-5	EPA 624	J50601-3	03-Jan-07	29-Jan-07	SP219	0107	0	U	1	ug/l		
1,1,2-Trichloroethane	79-00-5	EPA 624	J50601-3	03-Jan-07	29-Jan-07	SP219	0107	0	U	1	ug/l		
Trichloroethene	79-01-6	EPA 624	J50601-3	03-Jan-07	29-Jan-07	SP219	0107	0	U	1	ug/l		
1,1,2,2-Tetrachloroethane	79-34-5	EPA 624	J50601-3	03-Jan-07	29-Jan-07	SP219	0107	0	U	1	ug/l		
1,2-Dichlorobenzene	95-50-1	EPA 624	J50601-3	03-Jan-07	29-Jan-07	SP219	0107	0	U	1	ug/l		
Cyanide	57-12-5	335.3/LACH	J50601-3	03-Jan-07	29-Jan-07	SP219	0107	0	U	0.01	mg/l		
Aluminum, Total	7429-90-5	EPA 200.7	J50601-3	03-Jan-07	29-Jan-07	SP219	0107	0	U	100	ug/l		
Iron, Total	7439-89-6	EPA 200.7	J50601-3	03-Jan-07	29-Jan-07	SP219	0107	132		100	ug/l		
Lead, Total	7439-92-1	EPA 200.7	J50601-3	03-Jan-07	29-Jan-07	SP219	0107	0	U	3	ug/l		
Nickel, Total	7440-02-0	EPA 200.7	J50601-3	03-Jan-07	29-Jan-07	SP219	0107	0	U	40	ug/l		
Arsenic, Total	7440-38-2	EPA 200.7	J50601-3	03-Jan-07	29-Jan-07	SP219	0107	0	U	8	ug/l		
Chromium, Total	7440-47-3	EPA 200.7	J50601-3	03-Jan-07	29-Jan-07	SP219	0107	0	U	10	ug/l		
Copper, Total	7440-50-8	EPA 200.7	J50601-3	03-Jan-07	29-Jan-07	SP219	0107	0	U	25	ug/l		
Zinc, Total	7440-66-6	EPA 200.7	J50601-3	03-Jan-07	29-Jan-07	SP219	0107	0	U	20	ug/l		

Analyte	casno	Method	Labsampid	Date Sampled	Validation Date	Sample	ID	Result	Code	RL	Units	Valid Result	Valid Code
Ethylbenzene	100-41-4	EPA 624	J50601-4	03-Jan-07	29-Jan-07	UNK	TRIP BLANK	0	U	1	ug/l		
cis-1,3-Dichloropropene	10061-01-5	EPA 624	J50601-4	03-Jan-07	29-Jan-07	UNK	TRIP BLANK	0	U	1	ug/l		
trans-1,3-Dichloropropene	10061-02-6	EPA 624	J50601-4	03-Jan-07	29-Jan-07	UNK	TRIP BLANK	0	U	1	ug/l		
1,4-Dichlorobenzene	106-46-7	EPA 624	J50601-4	03-Jan-07	29-Jan-07	UNK	TRIP BLANK	0	U	1	ug/l		
1,2-Dichloroethane	107-06-2	EPA 624	J50601-4	03-Jan-07	29-Jan-07	UNK	TRIP BLANK	0	U	1	ug/l		
Toluene	108-88-3	EPA 624	J50601-4	03-Jan-07	29-Jan-07	UNK	TRIP BLANK	0	U	1	ug/l		
Chlorobenzene	108-90-7	EPA 624	J50601-4	03-Jan-07	29-Jan-07	UNK	TRIP BLANK	0	U	1	ug/l		
Dibromochloromethane	124-48-1	EPA 624	J50601-4	03-Jan-07	29-Jan-07	UNK	TRIP BLANK	0	U	1	ug/l		
Tetrachloroethene	127-18-4	EPA 624	J50601-4	03-Jan-07	29-Jan-07	UNK	TRIP BLANK	0	U	1	ug/l		
Xylenes (total)	1330-20-7	EPA 624	J50601-4	03-Jan-07	29-Jan-07	UNK	TRIP BLANK	0	U	1	ug/l		
cis-1,2-Dichloroethene	156-59-2	EPA 624	J50601-4	03-Jan-07	29-Jan-07	UNK	TRIP BLANK	0	U	1	ug/l		
trans-1,2-Dichloroethene	156-60-5	EPA 624	J50601-4	03-Jan-07	29-Jan-07	UNK	TRIP BLANK	0	U	1	ug/l		
1,3-Dichlorobenzene	541-73-1	EPA 624	J50601-4	03-Jan-07	29-Jan-07	UNK	TRIP BLANK	0	U	1	ug/l		
Carbon tetrachloride	56-23-5	EPA 624	J50601-4	03-Jan-07	29-Jan-07	UNK	TRIP BLANK	0	U	1	ug/l		
Chloroform	67-66-3	EPA 624	J50601-4	03-Jan-07	29-Jan-07	UNK	TRIP BLANK	0	U	1	ug/l		
Benzene	71-43-2	EPA 624	J50601-4	03-Jan-07	29-Jan-07	UNK	TRIP BLANK	0	U	1	ug/l		
1,1,1-Trichloroethane	71-55-6	EPA 624	J50601-4	03-Jan-07	29-Jan-07	UNK	TRIP BLANK	0	U	1	ug/l		
Methyl bromide	74-83-9	EPA 624	J50601-4	03-Jan-07	29-Jan-07	UNK	TRIP BLANK	0	U	1	ug/l		
Chloromethane	74-87-3	EPA 624	J50601-4	03-Jan-07	29-Jan-07	UNK	TRIP BLANK	0	U	1	ug/l		
Chloroethane	75-00-3	EPA 624	J50601-4	03-Jan-07	29-Jan-07	UNK	TRIP BLANK	0	U	1	ug/l		
Vinyl chloride	75-01-4	EPA 624	J50601-4	03-Jan-07	29-Jan-07	UNK	TRIP BLANK	0	U	2	ug/l		
Methylene chloride	75-09-2	EPA 624	J50601-4	03-Jan-07	29-Jan-07	UNK	TRIP BLANK	0	U	1	ug/l		
Bromoform	75-25-2	EPA 624	J50601-4	03-Jan-07	29-Jan-07	UNK	TRIP BLANK	0	U	1	ug/l		
Bromodichloromethane	75-27-4	EPA 624	J50601-4	03-Jan-07	29-Jan-07	UNK	TRIP BLANK	0	U	1	ug/l		
1,1-Dichloroethane	75-34-3	EPA 624	J50601-4	03-Jan-07	29-Jan-07	UNK	TRIP BLANK	0	U	1	ug/l		
1,1-Dichloroethene	75-35-4	EPA 624	J50601-4	03-Jan-07	29-Jan-07	UNK	TRIP BLANK	0	U	1	ug/l		
Trichlorofluoromethane	75-69-4	EPA 624	J50601-4	03-Jan-07	29-Jan-07	UNK	TRIP BLANK	0	U	2	ug/l		
Dichlorodifluoromethane	75-71-8	EPA 624	J50601-4	03-Jan-07	29-Jan-07	UNK	TRIP BLANK	0	U	2	ug/l		
1,2-Dichloropropane	78-87-5	EPA 624	J50601-4	03-Jan-07	29-Jan-07	UNK	TRIP BLANK	0	U	1	ug/l		
1,1,2-Trichloroethane	79-00-5	EPA 624	J50601-4	03-Jan-07	29-Jan-07	UNK	TRIP BLANK	0	U	1	ug/l		
Trichloroethene	79-01-6	EPA 624	J50601-4	03-Jan-07	29-Jan-07	UNK	TRIP BLANK	0	U	1	ug/l		
1,1,2,2-Tetrachloroethane	79-34-5	EPA 624	J50601-4	03-Jan-07	29-Jan-07	UNK	TRIP BLANK	0	U	1	ug/l		
1,2-Dichlorobenzene	95-50-1	EPA 624	J50601-4	03-Jan-07	29-Jan-07	UNK	TRIP BLANK	0	U	1	ug/l		
Aluminum, Dissolved	7429-90-5	EPA 200.7	J50601-1F	03-Jan-07	29-Jan-07	SP114	0107	0	U	100	ug/l		
Aluminum, Dissolved	7429-90-5	EPA 200.7	J50601-3F	03-Jan-07	29-Jan-07	SP219	0107	0	U	100	ug/l		

DATA USABILITY SUMMARY REPORT FOR FEBRUARY 2007 MONTHLY COMPLIANCE MONITORING

ATLANTIC RICHFIELD COMPANY FORMER SINCLAIR REFINERY SITE (OU2) WELLSVILLE, NEW YORK

Three groundwater samples, one field QC trip blank, and one sludge sample were collected from the Former Sinclair Refinery Site in Wellsville, New York on February 7, 2007. These samples were received by Accutest Laboratories (Accutest) within one day of collection on February 8, 2007. The groundwater samples were analyzed by Accutest for halogenated volatile organic compounds (VOCs) and the VOCs benzene, toluene, ethylbenzene, and total xylenes (BTEX) using the USEPA method 624; total metals using the USEPA method 200.7; total cyanide using the USEPA method 335.3; and oil and grease using the USEPA SW-846 method 1664A. The sludge sample was analyzed by Accutest for toxicity characteristic leaching procedure (TCLP) volatiles using the USEPA SW-846 method 8260B; TCLP metals using the USEPA SW-846 method 6010B/7470A analytical methods; and corrosivity, ignitability, and reactivity using the analytical methods specified in Chapter 7 of the USEPA SW-846. Analytical results from these project samples were validated and reviewed by On-Site Technical Services, Inc. (On-Site) for usability in accordance to the USEPA Region II SOPs for organic and inorganic data review.

SUMMARY

The groundwater samples were collected, properly preserved, shipped under a chain-of-custody (COC) record, and received by Accutest at 3.2°C. All samples were received intact and in good condition at Accutest.

The analytical data package generated by Accutest (Accutest Job # J53423) was received by On-Site within 25 days of sample receipt at the laboratory, reviewed, and validated for custody documentation, holding times, surrogate recoveries, matrix spike/matrix spike duplicate (MS/MSD) recoveries, laboratory control sample (LCS) recoveries, laboratory method blank contamination, trip blank contamination, instrument calibrations, internal standard responses, laboratory duplicate precision, quantitation limits, sample result verification, and data completeness. The laboratory sample data were reviewed and may be qualified with the following validation flags:

"U" – not detected at the value given,
"UJ" – estimated and not detected at the value given,
"J" – estimated at the value given, and

"R" – unusable value.

The validated laboratory data were tabulated and are presented in the attached table with the "Valid Result" and "Valid Code" columns representing changes in laboratory data resulting from data validation. Therefore, the nondetected reactive cyanide and reactive sulfide results for sample FPSLUDGE-0207 were considered estimated and qualified "UJ" in the "Valid Code" column as a result from data validation.

VOLATILE ORGANIC ANALYSIS

The following items were reviewed for compliancy in the volatile method 624 and the TCLP volatile method 8260B analyses:

- Custody documentation
- Holding times
- Surrogate recoveries
- MS/MSD precision and accuracy
- LCS recoveries
- GC/MS instrument performance
- Initial and continuing calibrations
- Laboratory method blank and trip blank contamination
- Internal standard responses
- Sample result verification
- Quantitation limits
- Data completeness

These items were considered compliant and acceptable in accordance with the validation protocols. Therefore, the volatile data presented by Accutest were 100% complete with all data considered usable and valid.

INORGANIC AND OIL AND GREASE ANALYSIS

The following items were reviewed for compliancy in the metals method 200.7; TCLP metals method 6010B/7470A; total cyanide method 335.3; oil and grease method 1664A; and the corrosivity, ignitability, and reactivity analyses:

- Custody documentation
- Holding times
- MS recoveries
- LCS recoveries
- Laboratory duplicate precision
- Instrument calibrations
- Interference check sample

- Laboratory method blank contamination
- ICP serial dilutions
- Serial dilutions
- Sample result verification
- Quantitation limits
- Data completeness

These items were considered compliant and acceptable in accordance with the validation protocols with the exception of holding times.

All sample holding times were compliant and within criteria with the exception of the holding times for the analysis of the reactive cyanide and reactive sulfide samples for FPSLUDGE-0207. These samples exceeded the 7-day holding time requirement by 7 days. Therefore, the reactive cyanide and reactive sulfide results which were nondetects, were considered estimated and qualified "UJ".

Therefore, the inorganic data and the oil and grease data presented by Accutest were 100% complete (i.e., usable).

Analyte	casno	Method	Labsampid	Date Sampled	Validation Date	Sample ID	Location	Result	Code	RL	Units	Valid Result	Valid Code
Ethylbenzene	100-41-4	EPA 624	J53423-1	07-Feb-07	08-Mar-07	SP114	0207	6.5		1	ug/l		
cis-1,3-Dichloropropene	10061-01-5	EPA 624	J53423-1	07-Feb-07	08-Mar-07	SP114	0207	0	U	1	ug/l		
trans-1,3-Dichloropropene	10061-02-6	EPA 624	J53423-1	07-Feb-07	08-Mar-07	SP114	0207	0	U	1	ug/l		
1,4-Dichlorobenzene	106-46-7	EPA 624	J53423-1	07-Feb-07	08-Mar-07	SP114	0207	0	U	1	ug/l		
1,2-Dichloroethane	107-06-2	EPA 624	J53423-1	07-Feb-07	08-Mar-07	SP114	0207	0	U	1	ug/l		
Toluene	108-88-3	EPA 624	J53423-1	07-Feb-07	08-Mar-07	SP114	0207	7.4		1	ug/l		
Chlorobenzene	108-90-7	EPA 624	J53423-1	07-Feb-07	08-Mar-07	SP114	0207	0.58	J	1	ug/l		
Dibromochloromethane	124-48-1	EPA 624	J53423-1	07-Feb-07	08-Mar-07	SP114	0207	0	U	1	ug/l		
Tetrachloroethene	127-18-4	EPA 624	J53423-1	07-Feb-07	08-Mar-07	SP114	0207	0	U	1	ug/l		
Xylenes (total)	1330-20-7	EPA 624	J53423-1	07-Feb-07	08-Mar-07	SP114	0207	8.6		1	ug/l		
cis-1,2-Dichloroethene	156-59-2	EPA 624	J53423-1	07-Feb-07	08-Mar-07	SP114	0207	25.7		1	ug/l		
trans-1,2-Dichloroethene	156-60-5	EPA 624	J53423-1	07-Feb-07	08-Mar-07	SP114	0207	0.78	J	1	ug/l		
1,3-Dichlorobenzene	541-73-1	EPA 624	J53423-1	07-Feb-07	08-Mar-07	SP114	0207	0	U	1	ug/l		
Carbon tetrachloride	56-23-5	EPA 624	J53423-1	07-Feb-07	08-Mar-07	SP114	0207	0	U	1	ug/l		
Chloroform	67-66-3	EPA 624	J53423-1	07-Feb-07	08-Mar-07	SP114	0207	0	U	1	ug/l		
Benzene	71-43-2	EPA 624	J53423-1	07-Feb-07	08-Mar-07	SP114	0207	81.8		1	ug/l		
1,1,1-Trichloroethane	71-55-6	EPA 624	J53423-1	07-Feb-07	08-Mar-07	SP114	0207	5.4		1	ug/l		
Methyl bromide	74-83-9	EPA 624	J53423-1	07-Feb-07	08-Mar-07	SP114	0207	0	U	1	ug/l		
Methyl chloride	74-87-3	EPA 624	J53423-1	07-Feb-07	08-Mar-07	SP114	0207	0	U	1	ug/l		
Chloroethane	75-00-3	EPA 624	J53423-1	07-Feb-07	08-Mar-07	SP114	0207	1.3		1	ug/l		
Vinyl chloride	75-01-4	EPA 624	J53423-1	07-Feb-07	08-Mar-07	SP114	0207	83		2	ug/l		
Methylene chloride	75-09-2	EPA 624	J53423-1	07-Feb-07	08-Mar-07	SP114	0207	0	U	1	ug/l		
Bromoform	75-25-2	EPA 624	J53423-1	07-Feb-07	08-Mar-07	SP114	0207	0	U	1	ug/l		
Dichlorobromomethane	75-27-4	EPA 624	J53423-1	07-Feb-07	08-Mar-07	SP114	0207	0	U	1	ug/l		
1,1-Dichloroethane	75-34-3	EPA 624	J53423-1	07-Feb-07	08-Mar-07	SP114	0207	24		1	ug/l		
1,1-Dichloroethene	75-35-4	EPA 624	J53423-1	07-Feb-07	08-Mar-07	SP114	0207	0	U	1	ug/l		
Trichlorofluoromethane	75-69-4	EPA 624	J53423-1	07-Feb-07	08-Mar-07	SP114	0207	0	U	2	ug/l		
Dichlorodifluoromethane	75-71-8	EPA 624	J53423-1	07-Feb-07	08-Mar-07	SP114	0207	0	U	2	ug/l		
1,2-Dichloropropane	78-87-5	EPA 624	J53423-1	07-Feb-07	08-Mar-07	SP114	0207	0	U	1	ug/l		
1,1,2-Trichloroethane	79-00-5	EPA 624	J53423-1	07-Feb-07	08-Mar-07	SP114	0207	0	U	1	ug/l		
Trichloroethene	79-01-6	EPA 624	J53423-1	07-Feb-07	08-Mar-07	SP114	0207	0	U	1	ug/l		
1,1,2,2-Tetrachloroethane	79-34-5	EPA 624	J53423-1	07-Feb-07	08-Mar-07	SP114	0207	0	U	1	ug/l		
1,2-Dichlorobenzene	95-50-1	EPA 624	J53423-1	07-Feb-07	08-Mar-07	SP114	0207	0	U	1	ug/l		
Aluminum, Total	7429-90-5	EPA 200.7	J53423-1	07-Feb-07	08-Mar-07	SP114	0207	0	U	100	ug/l		
Iron, Total	7439-89-6	EPA 200.7	J53423-1	07-Feb-07	08-Mar-07	SP114	0207	48400		100	ug/l		
Lead, Total	7439-92-1	EPA 200.7	J53423-1	07-Feb-07	08-Mar-07	SP114	0207	0	U	3	ug/l		
Nickel, Total	7440-02-0	EPA 200.7	J53423-1	07-Feb-07	08-Mar-07	SP114	0207	0	U	40	ug/l		
Arsenic, Total	7440-38-2	EPA 200.7	J53423-1	07-Feb-07	08-Mar-07	SP114	0207	108		8	ug/l		
Chromium, Total	7440-47-3	EPA 200.7	J53423-1	07-Feb-07	08-Mar-07	SP114	0207	0	U	10	ug/l		
Copper, Total	7440-50-8	EPA 200.7	J53423-1	07-Feb-07	08-Mar-07	SP114	0207	0	U	25	ug/l		
Zinc, Total	7440-66-6	EPA 200.7	J53423-1	07-Feb-07	08-Mar-07	SP114	0207	0	U	20	ug/l		

Analyte	casno	Method	Labsampid	Date Sampled	Validation Date	Sample ID	Location	Result	Code	RL	Units	Valid Result	Valid Code
Ethylbenzene	100-41-4	EPA 624	J53423-2	07-Feb-07	08-Mar-07	SP217	0207	0	U	1	ug/l		
cis-1,3-Dichloropropene	10061-01-5	EPA 624	J53423-2	07-Feb-07	08-Mar-07	SP217	0207	0	U	1	ug/l		
trans-1,3-Dichloropropene	10061-02-6	EPA 624	J53423-2	07-Feb-07	08-Mar-07	SP217	0207	0	U	1	ug/l		
1,4-Dichlorobenzene	106-46-7	EPA 624	J53423-2	07-Feb-07	08-Mar-07	SP217	0207	0	U	1	ug/l		
1,2-Dichloroethane	107-06-2	EPA 624	J53423-2	07-Feb-07	08-Mar-07	SP217	0207	0	U	1	ug/l		
Toluene	108-88-3	EPA 624	J53423-2	07-Feb-07	08-Mar-07	SP217	0207	0	U	1	ug/l		
Chlorobenzene	108-90-7	EPA 624	J53423-2	07-Feb-07	08-Mar-07	SP217	0207	0	U	1	ug/l		
Dibromochloromethane	124-48-1	EPA 624	J53423-2	07-Feb-07	08-Mar-07	SP217	0207	0	U	1	ug/l		
Tetrachloroethene	127-18-4	EPA 624	J53423-2	07-Feb-07	08-Mar-07	SP217	0207	0	U	1	ug/l		
Xylenes (total)	1330-20-7	EPA 624	J53423-2	07-Feb-07	08-Mar-07	SP217	0207	0	U	1	ug/l		
cis-1,2-Dichloroethene	156-59-2	EPA 624	J53423-2	07-Feb-07	08-Mar-07	SP217	0207	3.2		1	ug/l		
trans-1,2-Dichloroethene	156-60-5	EPA 624	J53423-2	07-Feb-07	08-Mar-07	SP217	0207	0	U	1	ug/l		
1,3-Dichlorobenzene	541-73-1	EPA 624	J53423-2	07-Feb-07	08-Mar-07	SP217	0207	0	U	1	ug/l		
Carbon tetrachloride	56-23-5	EPA 624	J53423-2	07-Feb-07	08-Mar-07	SP217	0207	0	U	1	ug/l		
Chloroform	67-66-3	EPA 624	J53423-2	07-Feb-07	08-Mar-07	SP217	0207	1.3		1	ug/l		
Benzene	71-43-2	EPA 624	J53423-2	07-Feb-07	08-Mar-07	SP217	0207	1.5		1	ug/l		
1,1,1-Trichloroethane	71-55-6	EPA 624	J53423-2	07-Feb-07	08-Mar-07	SP217	0207	0.65	J	1	ug/l		
Methyl bromide	74-83-9	EPA 624	J53423-2	07-Feb-07	08-Mar-07	SP217	0207	0	U	1	ug/l		
Methyl chloride	74-87-3	EPA 624	J53423-2	07-Feb-07	08-Mar-07	SP217	0207	0	U	1	ug/l		
Chloroethane	75-00-3	EPA 624	J53423-2	07-Feb-07	08-Mar-07	SP217	0207	0	U	1	ug/l		
Vinyl chloride	75-01-4	EPA 624	J53423-2	07-Feb-07	08-Mar-07	SP217	0207	2.7		2	ug/l		
Methylene chloride	75-09-2	EPA 624	J53423-2	07-Feb-07	08-Mar-07	SP217	0207	0	U	1	ug/l		
Bromoform	75-25-2	EPA 624	J53423-2	07-Feb-07	08-Mar-07	SP217	0207	0	U	1	ug/l		
Dichlorobromomethane	75-27-4	EPA 624	J53423-2	07-Feb-07	08-Mar-07	SP217	0207	0	U	1	ug/l		
1,1-Dichloroethane	75-34-3	EPA 624	J53423-2	07-Feb-07	08-Mar-07	SP217	0207	5.4		1	ug/l		
1,1-Dichloroethene	75-35-4	EPA 624	J53423-2	07-Feb-07	08-Mar-07	SP217	0207	0	U	1	ug/l		
Trichlorofluoromethane	75-69-4	EPA 624	J53423-2	07-Feb-07	08-Mar-07	SP217	0207	0	U	2	ug/l		
Dichlorodifluoromethane	75-71-8	EPA 624	J53423-2	07-Feb-07	08-Mar-07	SP217	0207	0	U	2	ug/l		
1,2-Dichloropropane	78-87-5	EPA 624	J53423-2	07-Feb-07	08-Mar-07	SP217	0207	0	U	1	ug/l		
1,1,2-Trichloroethane	79-00-5	EPA 624	J53423-2	07-Feb-07	08-Mar-07	SP217	0207	0	U	1	ug/l		
Trichloroethene	79-01-6	EPA 624	J53423-2	07-Feb-07	08-Mar-07	SP217	0207	0	U	1	ug/l		
1,1,2,2-Tetrachloroethane	79-34-5	EPA 624	J53423-2	07-Feb-07	08-Mar-07	SP217	0207	0	U	1	ug/l		
1,2-Dichlorobenzene	95-50-1	EPA 624	J53423-2	07-Feb-07	08-Mar-07	SP217	0207	0	U	1	ug/l		

Analyte	casno	Method	Labsampid	Date Sampled	Validation Date	Sample ID	Location	Result	Code	RL	Units	Valid Result	Valid Code
Cyanide	57-12-5	335.3/LACHA	J53423-3	07-Feb-07	08-Mar-07	SP219	0207	0	U	0.01	mg/l		
Oil And Grease		EPA 1664A	J53423-3	07-Feb-07	08-Mar-07	SP219	0207	0	U	5.1	mg/l		
Ethylbenzene	100-41-4	EPA 624	J53423-3	07-Feb-07	08-Mar-07	SP219	0207	0	U	1	ug/l		
cis-1,3-Dichloropropene	10061-01-5	EPA 624	J53423-3	07-Feb-07	08-Mar-07	SP219	0207	0	U	1	ug/l		
trans-1,3-Dichloropropene	10061-02-6	EPA 624	J53423-3	07-Feb-07	08-Mar-07	SP219	0207	0	U	1	ug/l		
1,4-Dichlorobenzene	106-46-7	EPA 624	J53423-3	07-Feb-07	08-Mar-07	SP219	0207	0	U	1	ug/l		
1,2-Dichloroethane	107-06-2	EPA 624	J53423-3	07-Feb-07	08-Mar-07	SP219	0207	0	U	1	ug/l		
Toluene	108-88-3	EPA 624	J53423-3	07-Feb-07	08-Mar-07	SP219	0207	0	U	1	ug/l		
Chlorobenzene	108-90-7	EPA 624	J53423-3	07-Feb-07	08-Mar-07	SP219	0207	0	U	1	ug/l		
Dibromochloromethane	124-48-1	EPA 624	J53423-3	07-Feb-07	08-Mar-07	SP219	0207	0	U	1	ug/l		
Tetrachloroethene	127-18-4	EPA 624	J53423-3	07-Feb-07	08-Mar-07	SP219	0207	0	U	1	ug/l		
Xylenes (total)	1330-20-7	EPA 624	J53423-3	07-Feb-07	08-Mar-07	SP219	0207	0	U	1	ug/l		
cis-1,2-Dichloroethene	156-59-2	EPA 624	J53423-3	07-Feb-07	08-Mar-07	SP219	0207	0	U	1	ug/l		
trans-1,2-Dichloroethene	156-60-5	EPA 624	J53423-3	07-Feb-07	08-Mar-07	SP219	0207	0	U	1	ug/l		
1,3-Dichlorobenzene	541-73-1	EPA 624	J53423-3	07-Feb-07	08-Mar-07	SP219	0207	0	U	1	ug/l		
Carbon tetrachloride	56-23-5	EPA 624	J53423-3	07-Feb-07	08-Mar-07	SP219	0207	0	U	1	ug/l		
Chloroform	67-66-3	EPA 624	J53423-3	07-Feb-07	08-Mar-07	SP219	0207	1.4		1	ug/l		
Benzene	71-43-2	EPA 624	J53423-3	07-Feb-07	08-Mar-07	SP219	0207	0	U	1	ug/l		
1,1,1-Trichloroethane	71-55-6	EPA 624	J53423-3	07-Feb-07	08-Mar-07	SP219	0207	0.32	J	1	ug/l		
Methyl bromide	74-83-9	EPA 624	J53423-3	07-Feb-07	08-Mar-07	SP219	0207	0	U	1	ug/l		
Methyl chloride	74-87-3	EPA 624	J53423-3	07-Feb-07	08-Mar-07	SP219	0207	0	U	1	ug/l		
Chloroethane	75-00-3	EPA 624	J53423-3	07-Feb-07	08-Mar-07	SP219	0207	0	U	1	ug/l		
Vinyl chloride	75-01-4	EPA 624	J53423-3	07-Feb-07	08-Mar-07	SP219	0207	0.61	J	2	ug/l		
Methylene chloride	75-09-2	EPA 624	J53423-3	07-Feb-07	08-Mar-07	SP219	0207	0	U	1	ug/l		
Bromoform	75-25-2	EPA 624	J53423-3	07-Feb-07	08-Mar-07	SP219	0207	0	U	1	ug/l		
Dichlorobromomethane	75-27-4	EPA 624	J53423-3	07-Feb-07	08-Mar-07	SP219	0207	0	U	1	ug/l		
1,1-Dichloroethane	75-34-3	EPA 624	J53423-3	07-Feb-07	08-Mar-07	SP219	0207	3.9		1	ug/l		
1,1-Dichloroethene	75-35-4	EPA 624	J53423-3	07-Feb-07	08-Mar-07	SP219	0207	0	U	1	ug/l		
Trichlorofluoromethane	75-69-4	EPA 624	J53423-3	07-Feb-07	08-Mar-07	SP219	0207	0	U	2	ug/l		
Dichlorodifluoromethane	75-71-8	EPA 624	J53423-3	07-Feb-07	08-Mar-07	SP219	0207	0	U	2	ug/l		
1,2-Dichloropropane	78-87-5	EPA 624	J53423-3	07-Feb-07	08-Mar-07	SP219	0207	0	U	1	ug/l		
1,1,2-Trichloroethane	79-00-5	EPA 624	J53423-3	07-Feb-07	08-Mar-07	SP219	0207	0	U	1	ug/l		
Trichloroethene	79-01-6	EPA 624	J53423-3	07-Feb-07	08-Mar-07	SP219	0207	0	U	1	ug/l		
1,1,2,2-Tetrachloroethane	79-34-5	EPA 624	J53423-3	07-Feb-07	08-Mar-07	SP219	0207	0	U	1	ug/l		
1,2-Dichlorobenzene	95-50-1	EPA 624	J53423-3	07-Feb-07	08-Mar-07	SP219	0207	0	U	1	ug/l		
Aluminum, Total	7429-90-5	EPA 200.7	J53423-3	07-Feb-07	08-Mar-07	SP219	0207	0	U	100	ug/l		
Iron, Total	7439-89-6	EPA 200.7	J53423-3	07-Feb-07	08-Mar-07	SP219	0207	0	U	100	ug/l		
Lead, Total	7439-92-1	EPA 200.7	J53423-3	07-Feb-07	08-Mar-07	SP219	0207	0	U	3	ug/l		
Nickel, Total	7440-02-0	EPA 200.7	J53423-3	07-Feb-07	08-Mar-07	SP219	0207	0	U	40	ug/l		
Arsenic, Total	7440-38-2	EPA 200.7	J53423-3	07-Feb-07	08-Mar-07	SP219	0207	0	U	8	ug/l		
Chromium, Total	7440-47-3	EPA 200.7	J53423-3	07-Feb-07	08-Mar-07	SP219	0207	0	U	10	ug/l		
Copper, Total	7440-50-8	EPA 200.7	J53423-3	07-Feb-07	08-Mar-07	SP219	0207	0	U	25	ug/l		
Zinc, Total	7440-66-6	EPA 200.7	J53423-3	07-Feb-07	08-Mar-07	SP219	0207	0	U	20	ug/l		
Ethylbenzene	100-41-4	EPA 624	J53423-4	07-Feb-07	08-Mar-07	UNK	TRIP BLANK	0	U	1	ug/l		
cis-1,3-Dichloropropene	10061-01-5	EPA 624	J53423-4	07-Feb-07	08-Mar-07	UNK	TRIP BLANK	0	U	1	ug/l		

Analyte	casno	Method	Labsampid	Date Sampled	Validation Date	Sample ID	Location	Result	Code	RL	Units	Valid Result	Valid Code
trans-1,3-Dichloropropene	10061-02-6	EPA 624	J53423-4	07-Feb-07	08-Mar-07	UNK	TRIP BLANK	0	U	1	ug/l		
1,4-Dichlorobenzene	106-46-7	EPA 624	J53423-4	07-Feb-07	08-Mar-07	UNK	TRIP BLANK	0	U	1	ug/l		
1,2-Dichloroethane	107-06-2	EPA 624	J53423-4	07-Feb-07	08-Mar-07	UNK	TRIP BLANK	0	U	1	ug/l		
Toluene	108-88-3	EPA 624	J53423-4	07-Feb-07	08-Mar-07	UNK	TRIP BLANK	0	U	1	ug/l		
Chlorobenzene	108-90-7	EPA 624	J53423-4	07-Feb-07	08-Mar-07	UNK	TRIP BLANK	0	U	1	ug/l		
Dibromochloromethane	124-48-1	EPA 624	J53423-4	07-Feb-07	08-Mar-07	UNK	TRIP BLANK	0	U	1	ug/l		
Tetrachloroethene	127-18-4	EPA 624	J53423-4	07-Feb-07	08-Mar-07	UNK	TRIP BLANK	0	U	1	ug/l		
Xylenes (total)	1330-20-7	EPA 624	J53423-4	07-Feb-07	08-Mar-07	UNK	TRIP BLANK	0	U	1	ug/l		
cis-1,2-Dichloroethene	156-59-2	EPA 624	J53423-4	07-Feb-07	08-Mar-07	UNK	TRIP BLANK	0	U	1	ug/l		
trans-1,2-Dichloroethene	156-60-5	EPA 624	J53423-4	07-Feb-07	08-Mar-07	UNK	TRIP BLANK	0	U	1	ug/l		
1,3-Dichlorobenzene	541-73-1	EPA 624	J53423-4	07-Feb-07	08-Mar-07	UNK	TRIP BLANK	0	U	1	ug/l		
Carbon tetrachloride	56-23-5	EPA 624	J53423-4	07-Feb-07	08-Mar-07	UNK	TRIP BLANK	0	U	1	ug/l		
Chloroform	67-66-3	EPA 624	J53423-4	07-Feb-07	08-Mar-07	UNK	TRIP BLANK	0	U	1	ug/l		
Benzene	71-43-2	EPA 624	J53423-4	07-Feb-07	08-Mar-07	UNK	TRIP BLANK	0	U	1	ug/l		
1,1,1-Trichloroethane	71-55-6	EPA 624	J53423-4	07-Feb-07	08-Mar-07	UNK	TRIP BLANK	0	U	1	ug/l		
Methyl bromide	74-83-9	EPA 624	J53423-4	07-Feb-07	08-Mar-07	UNK	TRIP BLANK	0	U	1	ug/l		
Methyl chloride	74-87-3	EPA 624	J53423-4	07-Feb-07	08-Mar-07	UNK	TRIP BLANK	0	U	1	ug/l		
Chloroethane	75-00-3	EPA 624	J53423-4	07-Feb-07	08-Mar-07	UNK	TRIP BLANK	0	U	1	ug/l		
Vinyl chloride	75-01-4	EPA 624	J53423-4	07-Feb-07	08-Mar-07	UNK	TRIP BLANK	0	U	2	ug/l		
Methylene chloride	75-09-2	EPA 624	J53423-4	07-Feb-07	08-Mar-07	UNK	TRIP BLANK	0	U	1	ug/l		
Bromoform	75-25-2	EPA 624	J53423-4	07-Feb-07	08-Mar-07	UNK	TRIP BLANK	0	U	1	ug/l		
Dichlorobromomethane	75-27-4	EPA 624	J53423-4	07-Feb-07	08-Mar-07	UNK	TRIP BLANK	0	U	1	ug/l		
1,1-Dichloroethane	75-34-3	EPA 624	J53423-4	07-Feb-07	08-Mar-07	UNK	TRIP BLANK	0	U	1	ug/l		
1,1-Dichloroethene	75-35-4	EPA 624	J53423-4	07-Feb-07	08-Mar-07	UNK	TRIP BLANK	0	U	1	ug/l		
Trichlorofluoromethane	75-69-4	EPA 624	J53423-4	07-Feb-07	08-Mar-07	UNK	TRIP BLANK	0	U	2	ug/l		
Dichlorodifluoromethane	75-71-8	EPA 624	J53423-4	07-Feb-07	08-Mar-07	UNK	TRIP BLANK	0	U	2	ug/l		
1,2-Dichloropropane	78-87-5	EPA 624	J53423-4	07-Feb-07	08-Mar-07	UNK	TRIP BLANK	0	U	1	ug/l		
1,1,2-Trichloroethane	79-00-5	EPA 624	J53423-4	07-Feb-07	08-Mar-07	UNK	TRIP BLANK	0	U	1	ug/l		
Trichloroethene	79-01-6	EPA 624	J53423-4	07-Feb-07	08-Mar-07	UNK	TRIP BLANK	0	U	1	ug/l		
1,1,2,2-Tetrachloroethane	79-34-5	EPA 624	J53423-4	07-Feb-07	08-Mar-07	UNK	TRIP BLANK	0	U	1	ug/l		
1,2-Dichlorobenzene	95-50-1	EPA 624	J53423-4	07-Feb-07	08-Mar-07	UNK	TRIP BLANK	0	U	1	ug/l		

Analyte	casno	Method	Labsampid	Date Sampled	Validation Date	Sample ID	Location	Result	Code	RL	Units	Valid Result	Valid Code
Chromium, Total	7440-47-3	SW846 6010B	J53423-5	07-Feb-07	08-Mar-07	FPSLUDGE	0207	0	U	0.01	mg/l		
Solids, Percent		EPA 160.3 M	J53423-5	07-Feb-07	08-Mar-07	FPSLUDGE	0207	72			%		
Ignitability (Flashpoint)		CHAP7	J53423-5	07-Feb-07	08-Mar-07	FPSLUDGE	0207	0	U>	200	Deg. F		
Sulfide Reactivity		CHAP7	J53423-5	07-Feb-07	08-Mar-07	FPSLUDGE	0207	0	U	140	mg/kg		UJ
1,4-Dichlorobenzene	106-46-7	SW846 8260B	J53423-5	07-Feb-07	08-Mar-07	FPSLUDGE	0207	0	U	0.005	mg/l		
1,2-Dichloroethane	107-06-2	SW846 8260B	J53423-5	07-Feb-07	08-Mar-07	FPSLUDGE	0207	0	U	0.005	mg/l		
Chlorobenzene	108-90-7	SW846 8260B	J53423-5	07-Feb-07	08-Mar-07	FPSLUDGE	0207	0	U	0.005	mg/l		
Tetrachloroethene	127-18-4	SW846 8260B	J53423-5	07-Feb-07	08-Mar-07	FPSLUDGE	0207	0	U	0.005	mg/l		
Carbon tetrachloride	56-23-5	SW846 8260B	J53423-5	07-Feb-07	08-Mar-07	FPSLUDGE	0207	0	U	0.005	mg/l		
Chloroform	67-66-3	SW846 8260B	J53423-5	07-Feb-07	08-Mar-07	FPSLUDGE	0207	0.0078		0.005	mg/l		
Benzene	71-43-2	SW846 8260B	J53423-5	07-Feb-07	08-Mar-07	FPSLUDGE	0207	0	U	0.005	mg/l		
Vinyl chloride	75-01-4	SW846 8260B	J53423-5	07-Feb-07	08-Mar-07	FPSLUDGE	0207	0	U	0.025	mg/l		
1,1-Dichloroethene	75-35-4	SW846 8260B	J53423-5	07-Feb-07	08-Mar-07	FPSLUDGE	0207	0	U	0.005	mg/l		
2-Butanone (mek)	78-93-3	SW846 8260B	J53423-5	07-Feb-07	08-Mar-07	FPSLUDGE	0207	0	U	0.05	mg/l		
Trichloroethene	79-01-6	SW846 8260B	J53423-5	07-Feb-07	08-Mar-07	FPSLUDGE	0207	0	U	0.005	mg/l		
Cyanide Reactivity		CHAP7	J53423-5	07-Feb-07	08-Mar-07	FPSLUDGE	0207	0	U	6.9	mg/kg		UJ
Lead, Total	7439-92-1	SW846 6010B	J53423-5	07-Feb-07	08-Mar-07	FPSLUDGE	0207	0	U	0.5	mg/l		
Silver, Total	7440-22-4	SW846 6010B	J53423-5	07-Feb-07	08-Mar-07	FPSLUDGE	0207	0	U	0.01	mg/l		
Arsenic, Total	7440-38-2	SW846 6010B	J53423-5	07-Feb-07	08-Mar-07	FPSLUDGE	0207	0	U	0.5	mg/l		
Barium, Total	7440-39-3	SW846 6010B	J53423-5	07-Feb-07	08-Mar-07	FPSLUDGE	0207	4.3		1	mg/l		
Cadmium, Total	7440-43-9	SW846 6010B	J53423-5	07-Feb-07	08-Mar-07	FPSLUDGE	0207	0	U	0.005	mg/l		
Selenium, Total	7782-49-2	SW846 6010B	J53423-5	07-Feb-07	08-Mar-07	FPSLUDGE	0207	0	U	0.5	mg/l		
Mercury, Total	7439-97-6	SW846 7470A	J53423-5	07-Feb-07	08-Mar-07	FPSLUDGE	0207	0	U	0.0002	mg/l		
Corrosivity as pH		CHAP7	J53423-5	07-Feb-07	08-Mar-07	FPSLUDGE	0207	0	U				
Aluminum, Dissolved	7429-90-5	EPA 200.7	J53423-1F	07-Feb-07	08-Mar-07	SP114	0207	0	U	100	ug/l		
Aluminum, Dissolved	7429-90-5	EPA 200.7	J53423-3F	07-Feb-07	08-Mar-07	SP219	0207	0	U	100	ug/l		

DATA USABILITY SUMMARY REPORT FOR MARCH 2007 MONTHLY COMPLIANCE MONITORING

ATLANTIC RICHFIELD COMPANY FORMER SINCLAIR REFINERY SITE (OU2) WELLSVILLE, NEW YORK

Three groundwater samples and one field QC trip blank sample were collected from the Former Sinclair Refinery Site in Wellsville, New York on March 8, 2007. These samples were received by Accutest Laboratories (Accutest) within one day of collection on March 9, 2007. The groundwater samples were analyzed by Accutest for halogenated volatile organic compounds (VOCs) and the VOCs benzene, toluene, ethylbenzene, and total xylenes (BTEX) using the USEPA method 624; total metals using the USEPA method 200.7; total cyanide using the USEPA method 335.3; and oil and grease using the USEPA SW-846 method 1664A. Analytical results from these project samples were validated and reviewed by On-Site Technical Services, Inc. (On-Site) for usability in accordance to the USEPA Region II SOPs for organic and inorganic data review.

SUMMARY

The groundwater samples were collected, properly preserved, shipped under a chain-of-custody (COC) record, and received by Accutest at 3.4C. All samples were received intact and in good condition at Accutest.

The analytical data package generated by Accutest (Accutest Job # J55629) was received by On-Site within 19 days of sample receipt at the laboratory, reviewed, and validated for custody documentation, holding times, surrogate recoveries, matrix spike/matrix spike duplicate (MS/MSD) recoveries, laboratory control sample (LCS) recoveries, laboratory method blank contamination, trip blank contamination, instrument calibrations, internal standard responses, laboratory duplicate precision, quantitation limits, sample result verification, and data completeness. The laboratory sample data were reviewed and may be qualified with the following validation flags:

"U" – not detected at the value given,
"UJ" – estimated and not detected at the value given,
"J" – estimated at the value given, and
"R" – unusable value.

The validated laboratory data were tabulated and are presented in the attached table with the "Valid Result" and "Valid Code" columns representing changes in

laboratory data resulting from data validation. However, the laboratory data did not require qualification resulting from data validation. Therefore, there were no changes to the laboratory data presented in the attached table.

VOLATILE ORGANIC ANALYSIS

The following items were reviewed for compliancy in the volatile method 624 analyses:

- Custody documentation
- Holding times
- Surrogate recoveries
- MS/MSD precision and accuracy
- LCS recoveries
- GC/MS instrument performance
- Initial and continuing calibrations
- Laboratory method blank and trip blank contamination
- Internal standard responses
- Sample result verification
- Quantitation limits
- Data completeness

These items were considered compliant and acceptable in accordance with the validation protocols with the exception of the noncompliant MSD recovery for carbon tetrachloride (65%R; QC limit 66-156%R) during the spiked analyses of sample SP217-0307. However, validation qualification of the unspiked sample SP217-0307 was not required since MS recoveries were compliant. Therefore, the volatile data presented by Accutest were 100% complete with all data considered usable and valid.

INORGANIC AND OIL AND GREASE ANALYSIS

The following items were reviewed for compliancy in the metals method 200.7; total cyanide method 335.3; and oil and grease method 1664A analyses:

- Custody documentation
- Holding times
- MS recoveries
- LCS recoveries
- Laboratory duplicate precision
- Instrument calibrations
- Interference check sample
- Laboratory method blank contamination
- ICP serial dilutions

- Sample result verification
- Quantitation limits
- Data completeness

These items were considered compliant and acceptable in accordance with the validation protocols with the exception of the high LCS recovery for cyanide (111.4%R; QC limit 90-110%R) associated with sample SP219-0307. Since cyanide was not detected for this sample, validation qualification was not required due to this noncompliance. Therefore, the inorganic data and the oil and grease data presented by Accutest were 100% complete (i.e., usable).

Analyte	Casno	Method	Labsample	Date Sampled	Sample Designation	Location Number	depth to top	depth to bottom	Result	Code	Detection Limit	Units	Valid
Total Organic Carbon		415.1/9060 M/5310B M	J55173-1	02-Mar-07	OF	0307			4.8		1	mg/l	
Lead, Total	7439-92-1	EPA 200.7	J55173-1	02-Mar-07	OF	0307			3.8		3	ug/l	
Total Phosphorus		EPA 365.3	J55173-1	02-Mar-07	OF	0307			0.13		0.05	mg/l	
Nitrogen, Nitrate	14797-55-8	EPA353.2/SM4500NO2B	J55173-1	02-Mar-07	OF	0307			1.4		0.11	mg/l	
Nitrate/nitrite Nitrogen		EPA 353.2/LACHAT	J55173-1	02-Mar-07	OF	0307			1.4		0.1	mg/l	
Solids, Total Suspended		EPA 160.2	J55173-1	02-Mar-07	OF	0307			6		4	mg/l	
Cyanide	57-12-5	EPA 335.3/LACHAT	J55173-1	02-Mar-07	OF	0307			0	U	0.01	mg/l	
Nitrogen, Nitrite	14797-65-0	SM19 4500NO2B	J55173-1	02-Mar-07	OF	0307			0	U	0.01	mg/l	
BOD, 5 Day		EPA 405.1/SM19 5210B	J55173-1	02-Mar-07	OF	0307			3.7		2	mg/l	
Magnesium, Total	7439-95-4	EPA 200.7	J55173-1	02-Mar-07	OF	0307			0	U	5000	ug/l	
Silver, Total	7440-22-4	EPA 200.7	J55173-1	02-Mar-07	OF	0307			0	U	10	ug/l	
Arsenic, Total	7440-38-2	EPA 200.7	J55173-1	02-Mar-07	OF	0307			0	U	8	ug/l	
Barium, Total	7440-39-3	EPA 200.7	J55173-1	02-Mar-07	OF	0307			0	U	200	ug/l	
Chromium, Total	7440-47-3	EPA 200.7	J55173-1	02-Mar-07	OF	0307			0	U	10	ug/l	
Calcium, Total	7440-70-2	EPA 200.7	J55173-1	02-Mar-07	OF	0307			19300		5000	ug/l	
Selenium, Total	7782-49-2	EPA 200.7	J55173-1	02-Mar-07	OF	0307			0	U	10	ug/l	
Solids, Total Dissolved		SM19 2540C,EPA 160.1	J55173-1	02-Mar-07	OF	0307			62		10	mg/l	
Mercury, Total	7439-97-6	EPA 245.1	J55173-1	02-Mar-07	OF	0307			0	U	0.2	ug/l	
Chemical Oxygen Demand		HACH 8000/EPA 410.1M	J55173-1	02-Mar-07	OF	0307			44.6		20	mg/l	
Oil And Grease		EPA 1664A	J55173-1	02-Mar-07	OF	0307			0	U	5	mg/l	
Nitrogen, Total Kjeldahl		EPA 351.2/LACHAT	J55173-1	02-Mar-07	OF	0307			0.8		0.2	mg/l	
Magnesium, Dissolved	7439-95-4	EPA 200.7	J55173-1F	02-Mar-07	OF	0307			0	U	5000	ug/l	

Analyte	casno	Method	Labsampid	Date Sampled	Validation Date	Sample	Location	Result	Code	RL	Units	Valid Result	Valid Code
Ethylbenzene	100-41-4	EPA 624	J55629-2	08-Mar-07	20-Apr-07	SP217	0307	0	U	1	ug/l		
cis-1,3-Dichloropropene	10061-01-5	EPA 624	J55629-2	08-Mar-07	20-Apr-07	SP217	0307	0	U	1	ug/l		
trans-1,3-Dichloropropene	10061-02-6	EPA 624	J55629-2	08-Mar-07	20-Apr-07	SP217	0307	0	U	1	ug/l		
1,4-Dichlorobenzene	106-46-7	EPA 624	J55629-2	08-Mar-07	20-Apr-07	SP217	0307	0	U	1	ug/l		
1,2-Dichloroethane	107-06-2	EPA 624	J55629-2	08-Mar-07	20-Apr-07	SP217	0307	0	U	1	ug/l		
Toluene	108-88-3	EPA 624	J55629-2	08-Mar-07	20-Apr-07	SP217	0307	0	U	1	ug/l		
Chlorobenzene	108-90-7	EPA 624	J55629-2	08-Mar-07	20-Apr-07	SP217	0307	0	U	1	ug/l		
Dibromochloromethane	124-48-1	EPA 624	J55629-2	08-Mar-07	20-Apr-07	SP217	0307	0	U	1	ug/l		
Tetrachloroethene	127-18-4	EPA 624	J55629-2	08-Mar-07	20-Apr-07	SP217	0307	0	U	1	ug/l		
Xylenes (total)	1330-20-7	EPA 624	J55629-2	08-Mar-07	20-Apr-07	SP217	0307	0	U	1	ug/l		
cis-1,2-Dichloroethene	156-59-2	EPA 624	J55629-2	08-Mar-07	20-Apr-07	SP217	0307	0.92	J	1	ug/l		
trans-1,2-Dichloroethene	156-60-5	EPA 624	J55629-2	08-Mar-07	20-Apr-07	SP217	0307	0	U	1	ug/l		
1,3-Dichlorobenzene	541-73-1	EPA 624	J55629-2	08-Mar-07	20-Apr-07	SP217	0307	0	U	1	ug/l		
Carbon tetrachloride	56-23-5	EPA 624	J55629-2	08-Mar-07	20-Apr-07	SP217	0307	0	U	1	ug/l		
Chloroform	67-66-3	EPA 624	J55629-2	08-Mar-07	20-Apr-07	SP217	0307	1.4		1	ug/l		
Benzene	71-43-2	EPA 624	J55629-2	08-Mar-07	20-Apr-07	SP217	0307	0	U	1	ug/l		
1,1,1-Trichloroethane	71-55-6	EPA 624	J55629-2	08-Mar-07	20-Apr-07	SP217	0307	0	U	1	ug/l		
Methyl bromide	74-83-9	EPA 624	J55629-2	08-Mar-07	20-Apr-07	SP217	0307	0	U	1	ug/l		
Chloromethane	74-87-3	EPA 624	J55629-2	08-Mar-07	20-Apr-07	SP217	0307	0	U	1	ug/l		
Chloroethane	75-00-3	EPA 624	J55629-2	08-Mar-07	20-Apr-07	SP217	0307	0	U	1	ug/l		
Vinyl chloride	75-01-4	EPA 624	J55629-2	08-Mar-07	20-Apr-07	SP217	0307	0	U	2	ug/l		
Methylene chloride	75-09-2	EPA 624	J55629-2	08-Mar-07	20-Apr-07	SP217	0307	0	U	1	ug/l		
Bromoform	75-25-2	EPA 624	J55629-2	08-Mar-07	20-Apr-07	SP217	0307	0	U	1	ug/l		
Bromodichloromethane	75-27-4	EPA 624	J55629-2	08-Mar-07	20-Apr-07	SP217	0307	0.69	J	1	ug/l		
1,1-Dichloroethane	75-34-3	EPA 624	J55629-2	08-Mar-07	20-Apr-07	SP217	0307	2.1		1	ug/l		
1,1-Dichloroethene	75-35-4	EPA 624	J55629-2	08-Mar-07	20-Apr-07	SP217	0307	0	U	1	ug/l		
Trichlorofluoromethane	75-69-4	EPA 624	J55629-2	08-Mar-07	20-Apr-07	SP217	0307	0	U	2	ug/l		
Dichlorodifluoromethane	75-71-8	EPA 624	J55629-2	08-Mar-07	20-Apr-07	SP217	0307	0	U	2	ug/l		
1,2-Dichloropropane	78-87-5	EPA 624	J55629-2	08-Mar-07	20-Apr-07	SP217	0307	0	U	1	ug/l		
1,1,2-Trichloroethane	79-00-5	EPA 624	J55629-2	08-Mar-07	20-Apr-07	SP217	0307	0	U	1	ug/l		
Trichloroethene	79-01-6	EPA 624	J55629-2	08-Mar-07	20-Apr-07	SP217	0307	0	U	1	ug/l		
1,1,2,2-Tetrachloroethane	79-34-5	EPA 624	J55629-2	08-Mar-07	20-Apr-07	SP217	0307	0	U	1	ug/l		
1,2-Dichlorobenzene	95-50-1	EPA 624	J55629-2	08-Mar-07	20-Apr-07	SP217	0307	0	U	1	ug/l		

Analyte	casno	Method	Labsampid	Date Sampled	Validation Date	Sample	Location	Result	Code	RL	Units	Valid Result	Valid Code
Ethylbenzene	100-41-4	EPA 624	J55629-3	08-Mar-07	20-Apr-07	SP219	0307	0	U	1	ug/l		
cis-1,3-Dichloropropene	10061-01-5	EPA 624	J55629-3	08-Mar-07	20-Apr-07	SP219	0307	0	U	1	ug/l		
trans-1,3-Dichloropropene	10061-02-6	EPA 624	J55629-3	08-Mar-07	20-Apr-07	SP219	0307	0	U	1	ug/l		
1,4-Dichlorobenzene	106-46-7	EPA 624	J55629-3	08-Mar-07	20-Apr-07	SP219	0307	0	U	1	ug/l		
1,2-Dichloroethane	107-06-2	EPA 624	J55629-3	08-Mar-07	20-Apr-07	SP219	0307	0	U	1	ug/l		
Toluene	108-88-3	EPA 624	J55629-3	08-Mar-07	20-Apr-07	SP219	0307	0	U	1	ug/l		
Chlorobenzene	108-90-7	EPA 624	J55629-3	08-Mar-07	20-Apr-07	SP219	0307	0	U	1	ug/l		
Dibromochloromethane	124-48-1	EPA 624	J55629-3	08-Mar-07	20-Apr-07	SP219	0307	0	U	1	ug/l		
Tetrachloroethene	127-18-4	EPA 624	J55629-3	08-Mar-07	20-Apr-07	SP219	0307	0	U	1	ug/l		
Xylenes (total)	1330-20-7	EPA 624	J55629-3	08-Mar-07	20-Apr-07	SP219	0307	0	U	1	ug/l		
cis-1,2-Dichloroethene	156-59-2	EPA 624	J55629-3	08-Mar-07	20-Apr-07	SP219	0307	0.56	J	1	ug/l		
trans-1,2-Dichloroethene	156-60-5	EPA 624	J55629-3	08-Mar-07	20-Apr-07	SP219	0307	0	U	1	ug/l		
1,3-Dichlorobenzene	541-73-1	EPA 624	J55629-3	08-Mar-07	20-Apr-07	SP219	0307	0	U	1	ug/l		
Carbon tetrachloride	56-23-5	EPA 624	J55629-3	08-Mar-07	20-Apr-07	SP219	0307	0	U	1	ug/l		
Chloroform	67-66-3	EPA 624	J55629-3	08-Mar-07	20-Apr-07	SP219	0307	1.3		1	ug/l		
Benzene	71-43-2	EPA 624	J55629-3	08-Mar-07	20-Apr-07	SP219	0307	0	U	1	ug/l		
1,1,1-Trichloroethane	71-55-6	EPA 624	J55629-3	08-Mar-07	20-Apr-07	SP219	0307	0.41	J	1	ug/l		
Methyl bromide	74-83-9	EPA 624	J55629-3	08-Mar-07	20-Apr-07	SP219	0307	0	U	1	ug/l		
Chloromethane	74-87-3	EPA 624	J55629-3	08-Mar-07	20-Apr-07	SP219	0307	0	U	1	ug/l		
Chloroethane	75-00-3	EPA 624	J55629-3	08-Mar-07	20-Apr-07	SP219	0307	0	U	1	ug/l		
Vinyl chloride	75-01-4	EPA 624	J55629-3	08-Mar-07	20-Apr-07	SP219	0307	0.76	J	2	ug/l		
Methylene chloride	75-09-2	EPA 624	J55629-3	08-Mar-07	20-Apr-07	SP219	0307	0	U	1	ug/l		
Bromoform	75-25-2	EPA 624	J55629-3	08-Mar-07	20-Apr-07	SP219	0307	0	U	1	ug/l		
Bromodichloromethane	75-27-4	EPA 624	J55629-3	08-Mar-07	20-Apr-07	SP219	0307	0	U	1	ug/l		
1,1-Dichloroethane	75-34-3	EPA 624	J55629-3	08-Mar-07	20-Apr-07	SP219	0307	3.8		1	ug/l		
1,1-Dichloroethene	75-35-4	EPA 624	J55629-3	08-Mar-07	20-Apr-07	SP219	0307	0	U	1	ug/l		
Trichlorofluoromethane	75-69-4	EPA 624	J55629-3	08-Mar-07	20-Apr-07	SP219	0307	0	U	2	ug/l		
Dichlorodifluoromethane	75-71-8	EPA 624	J55629-3	08-Mar-07	20-Apr-07	SP219	0307	0	U	2	ug/l		
1,2-Dichloropropane	78-87-5	EPA 624	J55629-3	08-Mar-07	20-Apr-07	SP219	0307	0	U	1	ug/l		
1,1,2-Trichloroethane	79-00-5	EPA 624	J55629-3	08-Mar-07	20-Apr-07	SP219	0307	0	U	1	ug/l		
Trichloroethene	79-01-6	EPA 624	J55629-3	08-Mar-07	20-Apr-07	SP219	0307	0	U	1	ug/l		
1,1,2,2-Tetrachloroethane	79-34-5	EPA 624	J55629-3	08-Mar-07	20-Apr-07	SP219	0307	0	U	1	ug/l		
1,2-Dichlorobenzene	95-50-1	EPA 624	J55629-3	08-Mar-07	20-Apr-07	SP219	0307	0	U	1	ug/l		
Cyanide	57-12-5	EPA 335.3/LACHAT	J55629-3	08-Mar-07	20-Apr-07	SP219	0307	0	U	0.01	mg/l		
Aluminum, Total	7429-90-5	EPA 200.7	J55629-3	08-Mar-07	20-Apr-07	SP219	0307	0	U	100	ug/l		
Iron, Total	7439-89-6	EPA 200.7	J55629-3	08-Mar-07	20-Apr-07	SP219	0307	0	U	100	ug/l		
Lead, Total	7439-92-1	EPA 200.7	J55629-3	08-Mar-07	20-Apr-07	SP219	0307	0	U	3	ug/l		
Nickel, Total	7440-02-0	EPA 200.7	J55629-3	08-Mar-07	20-Apr-07	SP219	0307	0	U	40	ug/l		
Arsenic, Total	7440-38-2	EPA 200.7	J55629-3	08-Mar-07	20-Apr-07	SP219	0307	0	U	8	ug/l		
Chromium, Total	7440-47-3	EPA 200.7	J55629-3	08-Mar-07	20-Apr-07	SP219	0307	0	U	10	ug/l		
Copper, Total	7440-50-8	EPA 200.7	J55629-3	08-Mar-07	20-Apr-07	SP219	0307	0	U	25	ug/l		
Zinc, Total	7440-66-6	EPA 200.7	J55629-3	08-Mar-07	20-Apr-07	SP219	0307	0	U	20	ug/l		
Oil And Grease		EPA 1664A	J55629-3	08-Mar-07	20-Apr-07	SP219	0307	0	U	5.1	mg/l		

Analyte	casno	Method	Labsampid	Date Sampled	Validation Date	Sample	Location	Result	Code	RL	Units	Valid Result	Valid Code
Ethylbenzene	100-41-4	EPA 624	J55629-4	08-Mar-07	20-Apr-07	UNK	TRIP BLANK	0	U	1	ug/l		
cis-1,3-Dichloropropene	10061-01-5	EPA 624	J55629-4	08-Mar-07	20-Apr-07	UNK	TRIP BLANK	0	U	1	ug/l		
trans-1,3-Dichloropropene	10061-02-6	EPA 624	J55629-4	08-Mar-07	20-Apr-07	UNK	TRIP BLANK	0	U	1	ug/l		
1,4-Dichlorobenzene	106-46-7	EPA 624	J55629-4	08-Mar-07	20-Apr-07	UNK	TRIP BLANK	0	U	1	ug/l		
1,2-Dichloroethane	107-06-2	EPA 624	J55629-4	08-Mar-07	20-Apr-07	UNK	TRIP BLANK	0	U	1	ug/l		
Toluene	108-88-3	EPA 624	J55629-4	08-Mar-07	20-Apr-07	UNK	TRIP BLANK	0	U	1	ug/l		
Chlorobenzene	108-90-7	EPA 624	J55629-4	08-Mar-07	20-Apr-07	UNK	TRIP BLANK	0	U	1	ug/l		
Dibromochloromethane	124-48-1	EPA 624	J55629-4	08-Mar-07	20-Apr-07	UNK	TRIP BLANK	0	U	1	ug/l		
Tetrachloroethene	127-18-4	EPA 624	J55629-4	08-Mar-07	20-Apr-07	UNK	TRIP BLANK	0	U	1	ug/l		
Xylenes (total)	1330-20-7	EPA 624	J55629-4	08-Mar-07	20-Apr-07	UNK	TRIP BLANK	0	U	1	ug/l		
cis-1,2-Dichloroethene	156-59-2	EPA 624	J55629-4	08-Mar-07	20-Apr-07	UNK	TRIP BLANK	0	U	1	ug/l		
trans-1,2-Dichloroethene	156-60-5	EPA 624	J55629-4	08-Mar-07	20-Apr-07	UNK	TRIP BLANK	0	U	1	ug/l		
1,3-Dichlorobenzene	541-73-1	EPA 624	J55629-4	08-Mar-07	20-Apr-07	UNK	TRIP BLANK	0	U	1	ug/l		
Carbon tetrachloride	56-23-5	EPA 624	J55629-4	08-Mar-07	20-Apr-07	UNK	TRIP BLANK	0	U	1	ug/l		
Chloroform	67-66-3	EPA 624	J55629-4	08-Mar-07	20-Apr-07	UNK	TRIP BLANK	0	U	1	ug/l		
Benzene	71-43-2	EPA 624	J55629-4	08-Mar-07	20-Apr-07	UNK	TRIP BLANK	0	U	1	ug/l		
1,1,1-Trichloroethane	71-55-6	EPA 624	J55629-4	08-Mar-07	20-Apr-07	UNK	TRIP BLANK	0	U	1	ug/l		
Methyl bromide	74-83-9	EPA 624	J55629-4	08-Mar-07	20-Apr-07	UNK	TRIP BLANK	0	U	1	ug/l		
Chloromethane	74-87-3	EPA 624	J55629-4	08-Mar-07	20-Apr-07	UNK	TRIP BLANK	0	U	1	ug/l		
Chloroethane	75-00-3	EPA 624	J55629-4	08-Mar-07	20-Apr-07	UNK	TRIP BLANK	0	U	1	ug/l		
Vinyl chloride	75-01-4	EPA 624	J55629-4	08-Mar-07	20-Apr-07	UNK	TRIP BLANK	0	U	2	ug/l		
Methylene chloride	75-09-2	EPA 624	J55629-4	08-Mar-07	20-Apr-07	UNK	TRIP BLANK	0	U	1	ug/l		
Bromoform	75-25-2	EPA 624	J55629-4	08-Mar-07	20-Apr-07	UNK	TRIP BLANK	0	U	1	ug/l		
Bromodichloromethane	75-27-4	EPA 624	J55629-4	08-Mar-07	20-Apr-07	UNK	TRIP BLANK	0	U	1	ug/l		
1,1-Dichloroethane	75-34-3	EPA 624	J55629-4	08-Mar-07	20-Apr-07	UNK	TRIP BLANK	0	U	1	ug/l		
1,1-Dichloroethene	75-35-4	EPA 624	J55629-4	08-Mar-07	20-Apr-07	UNK	TRIP BLANK	0	U	1	ug/l		
Trichlorofluoromethane	75-69-4	EPA 624	J55629-4	08-Mar-07	20-Apr-07	UNK	TRIP BLANK	0	U	2	ug/l		
Dichlorodifluoromethane	75-71-8	EPA 624	J55629-4	08-Mar-07	20-Apr-07	UNK	TRIP BLANK	0	U	2	ug/l		
1,2-Dichloropropane	78-87-5	EPA 624	J55629-4	08-Mar-07	20-Apr-07	UNK	TRIP BLANK	0	U	1	ug/l		
1,1,2-Trichloroethane	79-00-5	EPA 624	J55629-4	08-Mar-07	20-Apr-07	UNK	TRIP BLANK	0	U	1	ug/l		
Trichloroethene	79-01-6	EPA 624	J55629-4	08-Mar-07	20-Apr-07	UNK	TRIP BLANK	0	U	1	ug/l		
1,1,2,2-Tetrachloroethane	79-34-5	EPA 624	J55629-4	08-Mar-07	20-Apr-07	UNK	TRIP BLANK	0	U	1	ug/l		
1,2-Dichlorobenzene	95-50-1	EPA 624	J55629-4	08-Mar-07	20-Apr-07	UNK	TRIP BLANK	0	U	1	ug/l		

Analyte	casno	Method	Labsampid	Date Sampled	Validation Date	Sample	Location	Result	Code	RL	Units	Valid Result	Valid Code
Aluminum, Dissolved	7429-90-5	EPA 200.7	J55629-1F	08-Mar-07	20-Apr-07	SP114	0307	0	U	100	ug/l		
Aluminum, Dissolved	7429-90-5	EPA 200.7	J55629-3F	08-Mar-07	20-Apr-07	SP219	0307	0	U	100	ug/l		
Ethylbenzene	100-41-4	EPA 624	J55629-1	08-Mar-07	20-Apr-07	SP114	0307	4.2		1	ug/l		
cis-1,3-Dichloropropene	10061-01-5	EPA 624	J55629-1	08-Mar-07	20-Apr-07	SP114	0307	0	U	1	ug/l		
trans-1,3-Dichloropropene	10061-02-6	EPA 624	J55629-1	08-Mar-07	20-Apr-07	SP114	0307	0	U	1	ug/l		
1,4-Dichlorobenzene	106-46-7	EPA 624	J55629-1	08-Mar-07	20-Apr-07	SP114	0307	0	U	1	ug/l		
1,2-Dichloroethane	107-06-2	EPA 624	J55629-1	08-Mar-07	20-Apr-07	SP114	0307	0	U	1	ug/l		
Toluene	108-88-3	EPA 624	J55629-1	08-Mar-07	20-Apr-07	SP114	0307	6.5		1	ug/l		
Chlorobenzene	108-90-7	EPA 624	J55629-1	08-Mar-07	20-Apr-07	SP114	0307	0	U	1	ug/l		
Dibromochloromethane	124-48-1	EPA 624	J55629-1	08-Mar-07	20-Apr-07	SP114	0307	0	U	1	ug/l		
Tetrachloroethene	127-18-4	EPA 624	J55629-1	08-Mar-07	20-Apr-07	SP114	0307	0	U	1	ug/l		
Xylenes (total)	1330-20-7	EPA 624	J55629-1	08-Mar-07	20-Apr-07	SP114	0307	9.3		1	ug/l		
cis-1,2-Dichloroethene	156-59-2	EPA 624	J55629-1	08-Mar-07	20-Apr-07	SP114	0307	16.5		1	ug/l		
trans-1,2-Dichloroethene	156-60-5	EPA 624	J55629-1	08-Mar-07	20-Apr-07	SP114	0307	0.66	J	1	ug/l		
1,3-Dichlorobenzene	541-73-1	EPA 624	J55629-1	08-Mar-07	20-Apr-07	SP114	0307	0	U	1	ug/l		
Carbon tetrachloride	56-23-5	EPA 624	J55629-1	08-Mar-07	20-Apr-07	SP114	0307	0	U	1	ug/l		
Chloroform	67-66-3	EPA 624	J55629-1	08-Mar-07	20-Apr-07	SP114	0307	0	U	1	ug/l		
Benzene	71-43-2	EPA 624	J55629-1	08-Mar-07	20-Apr-07	SP114	0307	76.5		1	ug/l		
1,1,1-Trichloroethane	71-55-6	EPA 624	J55629-1	08-Mar-07	20-Apr-07	SP114	0307	6.5		1	ug/l		
Methyl bromide	74-83-9	EPA 624	J55629-1	08-Mar-07	20-Apr-07	SP114	0307	0	U	1	ug/l		
Chloromethane	74-87-3	EPA 624	J55629-1	08-Mar-07	20-Apr-07	SP114	0307	0	U	1	ug/l		
Chloroethane	75-00-3	EPA 624	J55629-1	08-Mar-07	20-Apr-07	SP114	0307	0	U	1	ug/l		
Vinyl chloride	75-01-4	EPA 624	J55629-1	08-Mar-07	20-Apr-07	SP114	0307	64.7		2	ug/l		
Methylene chloride	75-09-2	EPA 624	J55629-1	08-Mar-07	20-Apr-07	SP114	0307	0	U	1	ug/l		
Bromoform	75-25-2	EPA 624	J55629-1	08-Mar-07	20-Apr-07	SP114	0307	0	U	1	ug/l		
Bromodichloromethane	75-27-4	EPA 624	J55629-1	08-Mar-07	20-Apr-07	SP114	0307	0	U	1	ug/l		
1,1-Dichloroethane	75-34-3	EPA 624	J55629-1	08-Mar-07	20-Apr-07	SP114	0307	15		1	ug/l		
1,1-Dichloroethene	75-35-4	EPA 624	J55629-1	08-Mar-07	20-Apr-07	SP114	0307	0	U	1	ug/l		
Trichlorofluoromethane	75-69-4	EPA 624	J55629-1	08-Mar-07	20-Apr-07	SP114	0307	0	U	2	ug/l		
Dichlorodifluoromethane	75-71-8	EPA 624	J55629-1	08-Mar-07	20-Apr-07	SP114	0307	0	U	2	ug/l		
1,2-Dichloropropane	78-87-5	EPA 624	J55629-1	08-Mar-07	20-Apr-07	SP114	0307	0	U	1	ug/l		
1,1,2-Trichloroethane	79-00-5	EPA 624	J55629-1	08-Mar-07	20-Apr-07	SP114	0307	0	U	1	ug/l		
Trichloroethene	79-01-6	EPA 624	J55629-1	08-Mar-07	20-Apr-07	SP114	0307	0	U	1	ug/l		
1,1,2,2-Tetrachloroethane	79-34-5	EPA 624	J55629-1	08-Mar-07	20-Apr-07	SP114	0307	0	U	1	ug/l		
1,2-Dichlorobenzene	95-50-1	EPA 624	J55629-1	08-Mar-07	20-Apr-07	SP114	0307	0	U	1	ug/l		
Aluminum, Total	7429-90-5	EPA 200.7	J55629-1	08-Mar-07	20-Apr-07	SP114	0307	0	U	100	ug/l		
Iron, Total	7439-89-6	EPA 200.7	J55629-1	08-Mar-07	20-Apr-07	SP114	0307	47900		100	ug/l		
Lead, Total	7439-92-1	EPA 200.7	J55629-1	08-Mar-07	20-Apr-07	SP114	0307	0	U	3	ug/l		
Nickel, Total	7440-02-0	EPA 200.7	J55629-1	08-Mar-07	20-Apr-07	SP114	0307	0	U	40	ug/l		
Arsenic, Total	7440-38-2	EPA 200.7	J55629-1	08-Mar-07	20-Apr-07	SP114	0307	108		8	ug/l		
Chromium, Total	7440-47-3	EPA 200.7	J55629-1	08-Mar-07	20-Apr-07	SP114	0307	0	U	10	ug/l		
Copper, Total	7440-50-8	EPA 200.7	J55629-1	08-Mar-07	20-Apr-07	SP114	0307	0	U	25	ug/l		
Zinc, Total	7440-66-6	EPA 200.7	J55629-1	08-Mar-07	20-Apr-07	SP114	0307	0	U	20	ug/l		

DATA USABILITY SUMMARY REPORT FOR APRIL 2007 MONTHLY COMPLIANCE MONITORING

ATLANTIC RICHFIELD COMPANY FORMER SINCLAIR REFINERY SITE (OU2) WELLSVILLE, NEW YORK

Three groundwater samples and one field QC trip blank sample were collected from the Former Sinclair Refinery Site in Wellsville, New York on April 12, 2007. These samples were received by Accutest Laboratories (Accutest) within one day of collection on April 13, 2007. The groundwater samples were analyzed by Accutest for halogenated volatile organic compounds (VOCs) and the VOCs benzene, toluene, ethylbenzene, and total xylenes (BTEX) using the USEPA method 624; total metals using the USEPA method 200.7; total cyanide using the USEPA method 335.3; and oil and grease using the USEPA SW-846 method 1664A. Analytical results from these project samples were validated and reviewed by On-Site Technical Services, Inc. (On-Site) for usability in accordance to the USEPA Region II SOPs for organic and inorganic data review.

SUMMARY

The groundwater samples were collected, properly preserved, shipped under a chain-of-custody (COC) record, and received by Accutest at 3.6°C. All samples were received intact and in good condition at Accutest.

The analytical data package generated by Accutest (Accutest Job # J58568) was received by On-Site within 20 days of sample receipt at the laboratory, reviewed, and validated for custody documentation, holding times, surrogate recoveries, matrix spike/matrix spike duplicate (MS/MSD) recoveries, laboratory control sample (LCS) recoveries, laboratory method blank contamination, trip blank contamination, instrument calibrations, internal standard responses, laboratory duplicate precision, quantitation limits, sample result verification, and data completeness. The laboratory sample data were reviewed and may be qualified with the following validation flags:

"U" – not detected at the value given,
"UJ" – estimated and not detected at the value given,
"J" – estimated at the value given, and
"R" – unusable value.

The validated laboratory data were tabulated and are presented in the attached table with the "Valid Result" and "Valid Code" columns representing changes in

laboratory data resulting from data validation. Therefore, the nondetected vinyl chloride and bromomethane results for all samples except for sample SP114-0407 were considered estimated and qualified "UJ" in the "Valid Code" column as a result from data validation.

VOLATILE ORGANIC ANALYSIS

The following items were reviewed for compliancy in the volatile method 624 analysis:

- Custody documentation
- Holding times
- Surrogate recoveries
- MS/MSD precision and accuracy
- LCS recoveries
- GC/MS instrument performance
- Initial and continuing calibrations
- Laboratory method blank and trip blank contamination
- Internal standard responses
- Sample result verification
- Quantitation limits
- Data completeness

These items were considered compliant and acceptable in accordance with the validation protocols with the exception of continuing calibrations. All continuing calibration compounds were compliant with minimum relative response factors (RRFs) of 0.05 and percent differences (%Ds) within ±25% with the exception of vinyl chloride (-35.8%D) and bromomethane (-30.5%D) in the continuing calibration associated with all samples except sample SP114-0407. As a result, the sample results for these compounds which were nondetects, were considered estimated and qualified "UJ" for the affected samples.

Therefore, the volatile data presented by Accutest were 100% complete with all data considered usable and valid.

INORGANIC AND OIL AND GREASE ANALYSIS

The following items were reviewed for compliancy in the metals method 200.7; total cyanide method 335.3; and the oil and grease method 1664A analyses:

- Custody documentation
- Holding times
- MS recoveries
- LCS recoveries

- Laboratory duplicate precision
- Instrument calibrations
- Interference check sample
- Laboratory method blank contamination
- ICP serial dilutions
- Sample result verification
- Quantitation limits
- Data completeness

These items were considered compliant and acceptable in accordance with the validation protocols. Therefore, the inorganic data and the oil and grease data presented by Accutest were 100% complete (i.e., usable).

Analyte	casno	Method	Labsampid	Date Sampled	Validation Date	Sample	Location	Result	Code	RL	Units	Valid Result	Valid Code
Ethylbenzene	100-41-4	EPA 624	J58568-1	12-Apr-07	06-May-07	SP114	0407	8.7		1	ug/l		
cis-1,3-Dichloropropene	10061-01-5	EPA 624	J58568-1	12-Apr-07	06-May-07	SP114	0407	0	U	1	ug/l		
trans-1,3-Dichloropropene	10061-02-6	EPA 624	J58568-1	12-Apr-07	06-May-07	SP114	0407	0	U	1	ug/l		
1,4-Dichlorobenzene	106-46-7	EPA 624	J58568-1	12-Apr-07	06-May-07	SP114	0407	0	U	1	ug/l		
1,2-Dichloroethane	107-06-2	EPA 624	J58568-1	12-Apr-07	06-May-07	SP114	0407	0	U	1	ug/l		
Toluene	108-88-3	EPA 624	J58568-1	12-Apr-07	06-May-07	SP114	0407	7.2		1	ug/l		
Chlorobenzene	108-90-7	EPA 624	J58568-1	12-Apr-07	06-May-07	SP114	0407	0.53	J	1	ug/l		
Dibromochloromethane	124-48-1	EPA 624	J58568-1	12-Apr-07	06-May-07	SP114	0407	0	U	1	ug/l		
Tetrachloroethene	127-18-4	EPA 624	J58568-1	12-Apr-07	06-May-07	SP114	0407	0	U	1	ug/l		
Xylenes (total)	1330-20-7	EPA 624	J58568-1	12-Apr-07	06-May-07	SP114	0407	6.8		1	ug/l		
cis-1,2-Dichloroethene	156-59-2	EPA 624	J58568-1	12-Apr-07	06-May-07	SP114	0407	16.9		1	ug/l		
trans-1,2-Dichloroethene	156-60-5	EPA 624	J58568-1	12-Apr-07	06-May-07	SP114	0407	0.72	J	1	ug/l		
1,3-Dichlorobenzene	541-73-1	EPA 624	J58568-1	12-Apr-07	06-May-07	SP114	0407	0	U	1	ug/l		
Carbon tetrachloride	56-23-5	EPA 624	J58568-1	12-Apr-07	06-May-07	SP114	0407	0	U	1	ug/l		
Chloroform	67-66-3	EPA 624	J58568-1	12-Apr-07	06-May-07	SP114	0407	0	U	1	ug/l		
Benzene	71-43-2	EPA 624	J58568-1	12-Apr-07	06-May-07	SP114	0407	89.2		1	ug/l		
1,1,1-Trichloroethane	71-55-6	EPA 624	J58568-1	12-Apr-07	06-May-07	SP114	0407	4.2		1	ug/l		
Methyl bromide	74-83-9	EPA 624	J58568-1	12-Apr-07	06-May-07	SP114	0407	0	U	1	ug/l		
Chloromethane	74-87-3	EPA 624	J58568-1	12-Apr-07	06-May-07	SP114	0407	0	U	1	ug/l		
Chloroethane	75-00-3	EPA 624	J58568-1	12-Apr-07	06-May-07	SP114	0407	1.5		1	ug/l		
Vinyl chloride	75-01-4	EPA 624	J58568-1	12-Apr-07	06-May-07	SP114	0407	64.3		2	ug/l		
Methylene chloride	75-09-2	EPA 624	J58568-1	12-Apr-07	06-May-07	SP114	0407	0	U	1	ug/l		
Bromoform	75-25-2	EPA 624	J58568-1	12-Apr-07	06-May-07	SP114	0407	0	U	1	ug/l		
Bromodichloromethane	75-27-4	EPA 624	J58568-1	12-Apr-07	06-May-07	SP114	0407	0	U	1	ug/l		
1,1-Dichloroethane	75-34-3	EPA 624	J58568-1	12-Apr-07	06-May-07	SP114	0407	25.4		1	ug/l		
1,1-Dichloroethene	75-35-4	EPA 624	J58568-1	12-Apr-07	06-May-07	SP114	0407	0	U	1	ug/l		
Trichlorofluoromethane	75-69-4	EPA 624	J58568-1	12-Apr-07	06-May-07	SP114	0407	0	U	2	ug/l		
Dichlorodifluoromethane	75-71-8	EPA 624	J58568-1	12-Apr-07	06-May-07	SP114	0407	0	U	2	ug/l		
1,2-Dichloropropane	78-87-5	EPA 624	J58568-1	12-Apr-07	06-May-07	SP114	0407	0	U	1	ug/l		
1,1,2-Trichloroethane	79-00-5	EPA 624	J58568-1	12-Apr-07	06-May-07	SP114	0407	0	U	1	ug/l		
Trichloroethene	79-01-6	EPA 624	J58568-1	12-Apr-07	06-May-07	SP114	0407	0.48	J	1	ug/l		
1,1,2,2-Tetrachloroethane	79-34-5	EPA 624	J58568-1	12-Apr-07	06-May-07	SP114	0407	0	U	1	ug/l		
1,2-Dichlorobenzene	95-50-1	EPA 624	J58568-1	12-Apr-07	06-May-07	SP114	0407	0	U	1	ug/l		
Aluminum, Total	7429-90-5	EPA 200.7	J58568-1	12-Apr-07	06-May-07	SP114	0407	0	U	100	ug/l		
Iron, Total	7439-89-6	EPA 200.7	J58568-1	12-Apr-07	06-May-07	SP114	0407	52600		100	ug/l		
Lead, Total	7439-92-1	EPA 200.7	J58568-1	12-Apr-07	06-May-07	SP114	0407	0	U	3	ug/l		
Nickel, Total	7440-02-0	EPA 200.7	J58568-1	12-Apr-07	06-May-07	SP114	0407	0	U	40	ug/l		
Arsenic, Total	7440-38-2	EPA 200.7	J58568-1	12-Apr-07	06-May-07	SP114	0407	102		8	ug/l		
Chromium, Total	7440-47-3	EPA 200.7	J58568-1	12-Apr-07	06-May-07	SP114	0407	0	U	10	ug/l		
Copper, Total	7440-50-8	EPA 200.7	J58568-1	12-Apr-07	06-May-07	SP114	0407	0	U	25	ug/l		
Zinc, Total	7440-66-6	EPA 200.7	J58568-1	12-Apr-07	06-May-07	SP114	0407	0	U	20	ug/l		

Analyte	casno	Method	Labsampid	Date Sampled	Validation Date	Sample	Location	Result	Code	RL	Units	Valid Result	Valid Code
Ethylbenzene	100-41-4	EPA 624	J58568-2	12-Apr-07	06-May-07	SP217	0307	0	U	1	ug/l		
cis-1,3-Dichloropropene	10061-01-5	EPA 624	J58568-2	12-Apr-07	06-May-07	SP217	0307	0	U	1	ug/l		
trans-1,3-Dichloropropene	10061-02-6	EPA 624	J58568-2	12-Apr-07	06-May-07	SP217	0307	0	U	1	ug/l		
1,4-Dichlorobenzene	106-46-7	EPA 624	J58568-2	12-Apr-07	06-May-07	SP217	0307	0	U	1	ug/l		
1,2-Dichloroethane	107-06-2	EPA 624	J58568-2	12-Apr-07	06-May-07	SP217	0307	0	U	1	ug/l		
Toluene	108-88-3	EPA 624	J58568-2	12-Apr-07	06-May-07	SP217	0307	0	U	1	ug/l		
Chlorobenzene	108-90-7	EPA 624	J58568-2	12-Apr-07	06-May-07	SP217	0307	0	U	1	ug/l		
Dibromochloromethane	124-48-1	EPA 624	J58568-2	12-Apr-07	06-May-07	SP217	0307	0	U	1	ug/l		
Tetrachloroethene	127-18-4	EPA 624	J58568-2	12-Apr-07	06-May-07	SP217	0307	0	U	1	ug/l		
Xylenes (total)	1330-20-7	EPA 624	J58568-2	12-Apr-07	06-May-07	SP217	0307	0	U	1	ug/l		
cis-1,2-Dichloroethene	156-59-2	EPA 624	J58568-2	12-Apr-07	06-May-07	SP217	0307	0.84	J	1	ug/l		
trans-1,2-Dichloroethene	156-60-5	EPA 624	J58568-2	12-Apr-07	06-May-07	SP217	0307	0	U	1	ug/l		
1,3-Dichlorobenzene	541-73-1	EPA 624	J58568-2	12-Apr-07	06-May-07	SP217	0307	0	U	1	ug/l		
Carbon tetrachloride	56-23-5	EPA 624	J58568-2	12-Apr-07	06-May-07	SP217	0307	0	U	1	ug/l		
Chloroform	67-66-3	EPA 624	J58568-2	12-Apr-07	06-May-07	SP217	0307	1.4		1	ug/l		
Benzene	71-43-2	EPA 624	J58568-2	12-Apr-07	06-May-07	SP217	0307	0	U	1	ug/l		
1,1,1-Trichloroethane	71-55-6	EPA 624	J58568-2	12-Apr-07	06-May-07	SP217	0307	0.29	J	1	ug/l		
Methyl bromide	74-83-9	EPA 624	J58568-2	12-Apr-07	06-May-07	SP217	0307	0	U	1	ug/l		UJ
Chloromethane	74-87-3	EPA 624	J58568-2	12-Apr-07	06-May-07	SP217	0307	0	U	1	ug/l		
Chloroethane	75-00-3	EPA 624	J58568-2	12-Apr-07	06-May-07	SP217	0307	0	U	1	ug/l		
Vinyl chloride	75-01-4	EPA 624	J58568-2	12-Apr-07	06-May-07	SP217	0307	0	U	2	ug/l		UJ
Methylene chloride	75-09-2	EPA 624	J58568-2	12-Apr-07	06-May-07	SP217	0307	0	U	1	ug/l		
Bromoform	75-25-2	EPA 624	J58568-2	12-Apr-07	06-May-07	SP217	0307	0	U	1	ug/l		
Bromodichloromethane	75-27-4	EPA 624	J58568-2	12-Apr-07	06-May-07	SP217	0307	0.4	J	1	ug/l		
1,1-Dichloroethane	75-34-3	EPA 624	J58568-2	12-Apr-07	06-May-07	SP217	0307	2.8		1	ug/l		
1,1-Dichloroethene	75-35-4	EPA 624	J58568-2	12-Apr-07	06-May-07	SP217	0307	0	U	1	ug/l		
Trichlorofluoromethane	75-69-4	EPA 624	J58568-2	12-Apr-07	06-May-07	SP217	0307	0	U	2	ug/l		
Dichlorodifluoromethane	75-71-8	EPA 624	J58568-2	12-Apr-07	06-May-07	SP217	0307	0	U	2	ug/l		
1,2-Dichloropropane	78-87-5	EPA 624	J58568-2	12-Apr-07	06-May-07	SP217	0307	0	U	1	ug/l		
1,1,2-Trichloroethane	79-00-5	EPA 624	J58568-2	12-Apr-07	06-May-07	SP217	0307	0	U	1	ug/l		
Trichloroethene	79-01-6	EPA 624	J58568-2	12-Apr-07	06-May-07	SP217	0307	0	U	1	ug/l		
1,1,2,2-Tetrachloroethane	79-34-5	EPA 624	J58568-2	12-Apr-07	06-May-07	SP217	0307	0	U	1	ug/l		
1,2-Dichlorobenzene	95-50-1	EPA 624	J58568-2	12-Apr-07	06-May-07	SP217	0307	0	U	1	ug/l		

Analyte	casno	Method	Labsampid	Date Sampled	Validation Date	Sample	Location	Result	Code	RL	Units	Valid Result	Valid Code
Ethylbenzene	100-41-4	EPA 624	J58568-3	12-Apr-07	06-May-07	SP219	0307	0	U	1	ug/l		
cis-1,3-Dichloropropene	10061-01-5	EPA 624	J58568-3	12-Apr-07	06-May-07	SP219	0307	0	U	1	ug/l		
trans-1,3-Dichloropropene	10061-02-6	EPA 624	J58568-3	12-Apr-07	06-May-07	SP219	0307	0	U	1	ug/l		
1,4-Dichlorobenzene	106-46-7	EPA 624	J58568-3	12-Apr-07	06-May-07	SP219	0307	0	U	1	ug/l		
1,2-Dichloroethane	107-06-2	EPA 624	J58568-3	12-Apr-07	06-May-07	SP219	0307	0	U	1	ug/l		
Toluene	108-88-3	EPA 624	J58568-3	12-Apr-07	06-May-07	SP219	0307	0	U	1	ug/l		
Chlorobenzene	108-90-7	EPA 624	J58568-3	12-Apr-07	06-May-07	SP219	0307	0	U	1	ug/l		
Dibromochloromethane	124-48-1	EPA 624	J58568-3	12-Apr-07	06-May-07	SP219	0307	0	U	1	ug/l		
Tetrachloroethene	127-18-4	EPA 624	J58568-3	12-Apr-07	06-May-07	SP219	0307	0	U	1	ug/l		
Xylenes (total)	1330-20-7	EPA 624	J58568-3	12-Apr-07	06-May-07	SP219	0307	0	U	1	ug/l		
cis-1,2-Dichloroethene	156-59-2	EPA 624	J58568-3	12-Apr-07	06-May-07	SP219	0307	0.58	J	1	ug/l		
trans-1,2-Dichloroethene	156-60-5	EPA 624	J58568-3	12-Apr-07	06-May-07	SP219	0307	0	U	1	ug/l		
1,3-Dichlorobenzene	541-73-1	EPA 624	J58568-3	12-Apr-07	06-May-07	SP219	0307	0	U	1	ug/l		
Carbon tetrachloride	56-23-5	EPA 624	J58568-3	12-Apr-07	06-May-07	SP219	0307	0	U	1	ug/l		
Chloroform	67-66-3	EPA 624	J58568-3	12-Apr-07	06-May-07	SP219	0307	1.5		1	ug/l		
Benzene	71-43-2	EPA 624	J58568-3	12-Apr-07	06-May-07	SP219	0307	0	U	1	ug/l		
1,1,1-Trichloroethane	71-55-6	EPA 624	J58568-3	12-Apr-07	06-May-07	SP219	0307	0.41	J	1	ug/l		
Methyl bromide	74-83-9	EPA 624	J58568-3	12-Apr-07	06-May-07	SP219	0307	0	U	1	ug/l		UJ
Chloromethane	74-87-3	EPA 624	J58568-3	12-Apr-07	06-May-07	SP219	0307	0	U	1	ug/l		
Chloroethane	75-00-3	EPA 624	J58568-3	12-Apr-07	06-May-07	SP219	0307	0	U	1	ug/l		
Vinyl chloride	75-01-4	EPA 624	J58568-3	12-Apr-07	06-May-07	SP219	0307	0	U	2	ug/l		UJ
Methylene chloride	75-09-2	EPA 624	J58568-3	12-Apr-07	06-May-07	SP219	0307	0	U	1	ug/l		
Bromoform	75-25-2	EPA 624	J58568-3	12-Apr-07	06-May-07	SP219	0307	0	U	1	ug/l		
Bromodichloromethane	75-27-4	EPA 624	J58568-3	12-Apr-07	06-May-07	SP219	0307	0.24	J	1	ug/l		
1,1-Dichloroethane	75-34-3	EPA 624	J58568-3	12-Apr-07	06-May-07	SP219	0307	4.7		1	ug/l		
1,1-Dichloroethene	75-35-4	EPA 624	J58568-3	12-Apr-07	06-May-07	SP219	0307	0	U	1	ug/l		
Trichlorofluoromethane	75-69-4	EPA 624	J58568-3	12-Apr-07	06-May-07	SP219	0307	0	U	2	ug/l		
Dichlorodifluoromethane	75-71-8	EPA 624	J58568-3	12-Apr-07	06-May-07	SP219	0307	0	U	2	ug/l		
1,2-Dichloropropane	78-87-5	EPA 624	J58568-3	12-Apr-07	06-May-07	SP219	0307	0	U	1	ug/l		
1,1,2-Trichloroethane	79-00-5	EPA 624	J58568-3	12-Apr-07	06-May-07	SP219	0307	0	U	1	ug/l		
Trichloroethene	79-01-6	EPA 624	J58568-3	12-Apr-07	06-May-07	SP219	0307	0	U	1	ug/l		
1,1,2,2-Tetrachloroethane	79-34-5	EPA 624	J58568-3	12-Apr-07	06-May-07	SP219	0307	0	U	1	ug/l		
1,2-Dichlorobenzene	95-50-1	EPA 624	J58568-3	12-Apr-07	06-May-07	SP219	0307	0	U	1	ug/l		
Cyanide	57-12-5	EPA 335.3/LACHAT	J58568-3	12-Apr-07	06-May-07	SP219	0307	0	U	0.01	mg/l		
Aluminum, Total	7429-90-5	EPA 200.7	J58568-3	12-Apr-07	06-May-07	SP219	0307	0	U	100	ug/l		
Iron, Total	7439-89-6	EPA 200.7	J58568-3	12-Apr-07	06-May-07	SP219	0307	0	U	100	ug/l		
Lead, Total	7439-92-1	EPA 200.7	J58568-3	12-Apr-07	06-May-07	SP219	0307	0	U	3	ug/l		
Nickel, Total	7440-02-0	EPA 200.7	J58568-3	12-Apr-07	06-May-07	SP219	0307	0	U	40	ug/l		
Arsenic, Total	7440-38-2	EPA 200.7	J58568-3	12-Apr-07	06-May-07	SP219	0307	0	U	8	ug/l		
Chromium, Total	7440-47-3	EPA 200.7	J58568-3	12-Apr-07	06-May-07	SP219	0307	0	U	10	ug/l		
Copper, Total	7440-50-8	EPA 200.7	J58568-3	12-Apr-07	06-May-07	SP219	0307	0	U	25	ug/l		
Zinc, Total	7440-66-6	EPA 200.7	J58568-3	12-Apr-07	06-May-07	SP219	0307	0	U	20	ug/l		
Oil And Grease		EPA 1664A	J58568-3	12-Apr-07	06-May-07	SP219	0307	0	U	5	mg/l		
Aluminum, Dissolved	7429-90-5	EPA 200.7	J58568-3F	12-Apr-07	06-May-07	SP219	0307	0	U	100	ug/l		

Analyte	casno	Method	Labsampid	Date Sampled	Validation Date	Sample	Location	Result	Code	RL	Units	Valid Result	Valid Code
Ethylbenzene	100-41-4	EPA 624	J58568-4	12-Apr-07	06-May-07	UNK	TRIP BLANK	0	U	1	ug/l		
cis-1,3-Dichloropropene	10061-01-5	EPA 624	J58568-4	12-Apr-07	06-May-07	UNK	TRIP BLANK	0	U	1	ug/l		
trans-1,3-Dichloropropene	10061-02-6	EPA 624	J58568-4	12-Apr-07	06-May-07	UNK	TRIP BLANK	0	U	1	ug/l		
1,4-Dichlorobenzene	106-46-7	EPA 624	J58568-4	12-Apr-07	06-May-07	UNK	TRIP BLANK	0	U	1	ug/l		
1,2-Dichloroethane	107-06-2	EPA 624	J58568-4	12-Apr-07	06-May-07	UNK	TRIP BLANK	0	U	1	ug/l		
Toluene	108-88-3	EPA 624	J58568-4	12-Apr-07	06-May-07	UNK	TRIP BLANK	0	U	1	ug/l		
Chlorobenzene	108-90-7	EPA 624	J58568-4	12-Apr-07	06-May-07	UNK	TRIP BLANK	0	U	1	ug/l		
Dibromochloromethane	124-48-1	EPA 624	J58568-4	12-Apr-07	06-May-07	UNK	TRIP BLANK	0	U	1	ug/l		
Tetrachloroethene	127-18-4	EPA 624	J58568-4	12-Apr-07	06-May-07	UNK	TRIP BLANK	0	U	1	ug/l		
Xylenes (total)	1330-20-7	EPA 624	J58568-4	12-Apr-07	06-May-07	UNK	TRIP BLANK	0	U	1	ug/l		
cis-1,2-Dichloroethene	156-59-2	EPA 624	J58568-4	12-Apr-07	06-May-07	UNK	TRIP BLANK	0	U	1	ug/l		
trans-1,2-Dichloroethene	156-60-5	EPA 624	J58568-4	12-Apr-07	06-May-07	UNK	TRIP BLANK	0	U	1	ug/l		
1,3-Dichlorobenzene	541-73-1	EPA 624	J58568-4	12-Apr-07	06-May-07	UNK	TRIP BLANK	0	U	1	ug/l		
Carbon tetrachloride	56-23-5	EPA 624	J58568-4	12-Apr-07	06-May-07	UNK	TRIP BLANK	0	U	1	ug/l		
Chloroform	67-66-3	EPA 624	J58568-4	12-Apr-07	06-May-07	UNK	TRIP BLANK	0	U	1	ug/l		
Benzene	71-43-2	EPA 624	J58568-4	12-Apr-07	06-May-07	UNK	TRIP BLANK	0	U	1	ug/l		
1,1,1-Trichloroethane	71-55-6	EPA 624	J58568-4	12-Apr-07	06-May-07	UNK	TRIP BLANK	0	U	1	ug/l		
Methyl bromide	74-83-9	EPA 624	J58568-4	12-Apr-07	06-May-07	UNK	TRIP BLANK	0	U	1	ug/l		UJ
Chloromethane	74-87-3	EPA 624	J58568-4	12-Apr-07	06-May-07	UNK	TRIP BLANK	0	U	1	ug/l		
Chloroethane	75-00-3	EPA 624	J58568-4	12-Apr-07	06-May-07	UNK	TRIP BLANK	0	U	1	ug/l		
Vinyl chloride	75-01-4	EPA 624	J58568-4	12-Apr-07	06-May-07	UNK	TRIP BLANK	0	U	2	ug/l		UJ
Methylene chloride	75-09-2	EPA 624	J58568-4	12-Apr-07	06-May-07	UNK	TRIP BLANK	0	U	1	ug/l		
Bromoform	75-25-2	EPA 624	J58568-4	12-Apr-07	06-May-07	UNK	TRIP BLANK	0	U	1	ug/l		
Bromodichloromethane	75-27-4	EPA 624	J58568-4	12-Apr-07	06-May-07	UNK	TRIP BLANK	0	U	1	ug/l		
1,1-Dichloroethane	75-34-3	EPA 624	J58568-4	12-Apr-07	06-May-07	UNK	TRIP BLANK	0	U	1	ug/l		
1,1-Dichloroethene	75-35-4	EPA 624	J58568-4	12-Apr-07	06-May-07	UNK	TRIP BLANK	0	U	1	ug/l		
Trichlorofluoromethane	75-69-4	EPA 624	J58568-4	12-Apr-07	06-May-07	UNK	TRIP BLANK	0	U	2	ug/l		
Dichlorodifluoromethane	75-71-8	EPA 624	J58568-4	12-Apr-07	06-May-07	UNK	TRIP BLANK	0	U	2	ug/l		
1,2-Dichloropropane	78-87-5	EPA 624	J58568-4	12-Apr-07	06-May-07	UNK	TRIP BLANK	0	U	1	ug/l		
1,1,2-Trichloroethane	79-00-5	EPA 624	J58568-4	12-Apr-07	06-May-07	UNK	TRIP BLANK	0	U	1	ug/l		
Trichloroethene	79-01-6	EPA 624	J58568-4	12-Apr-07	06-May-07	UNK	TRIP BLANK	0	U	1	ug/l		
1,1,2,2-Tetrachloroethane	79-34-5	EPA 624	J58568-4	12-Apr-07	06-May-07	UNK	TRIP BLANK	0	U	1	ug/l		
1,2-Dichlorobenzene	95-50-1	EPA 624	J58568-4	12-Apr-07	06-May-07	UNK	TRIP BLANK	0	U	1	ug/l		
Aluminum, Dissolved	7429-90-5	EPA 200.7	J58568-1F	12-Apr-07	06-May-07	SP114	0407	0	U	100	ug/l		

DATA USABILITY SUMMARY REPORT FOR MAY 2007 MONTHLY COMPLIANCE MONITORING

ATLANTIC RICHFIELD COMPANY FORMER SINCLAIR REFINERY SITE (OU2) WELLSVILLE, NEW YORK

Three groundwater samples and one field QC trip blank sample were collected from the Former Sinclair Refinery Site in Wellsville, New York on May 7, 2007. These samples were received by Accutest Laboratories (Accutest) within one day of collection on May 8, 2007. The groundwater samples were analyzed by Accutest for halogenated volatile organic compounds (VOCs) and the VOCs benzene, toluene, ethylbenzene, and total xylenes (BTEX) using the USEPA method 624; total metals using the USEPA method 200.7; total cyanide using the USEPA method 335.3; and oil and grease using the USEPA SW-846 method 1664A. Analytical results from these project samples were validated and reviewed by On-Site Technical Services, Inc. (On-Site) for usability in accordance to the USEPA Region II SOPs for organic and inorganic data review.

SUMMARY

The groundwater samples were collected, properly preserved, shipped under a chain-of-custody (COC) record, and received by Accutest at 3.5°C. All samples were received intact and in good condition at Accutest.

The analytical data package generated by Accutest (Accutest Job # J60529) was received by On-Site within 18 days of sample receipt at the laboratory, reviewed, and validated for custody documentation, holding times, surrogate recoveries, matrix spike/matrix spike duplicate (MS/MSD) recoveries, laboratory control sample (LCS) recoveries, laboratory method blank contamination, trip blank contamination, instrument calibrations, internal standard responses, laboratory duplicate precision, quantitation limits, sample result verification, and data completeness. The laboratory sample data were reviewed and may be qualified with the following validation flags:

"U" – not detected at the value given,
"UJ" – estimated and not detected at the value given,
"J" – estimated at the value given, and
"R" – unusable value.

The validated laboratory data were tabulated and are presented in the attached table with the "Valid Result" and "Valid Code" columns representing changes in laboratory data resulting from data validation. However, the laboratory data did not

require qualification resulting from data validation. Therefore, there were no changes to the laboratory data presented in the attached table.

VOLATILE ORGANIC ANALYSIS

The following items were reviewed for compliancy in the volatile method 624 analyses:

- Custody documentation
- Holding times
- Surrogate recoveries
- MS/MSD precision and accuracy
- LCS recoveries
- GC/MS instrument performance
- Initial and continuing calibrations
- Laboratory method blank and trip blank contamination
- Internal standard responses
- Sample result verification
- Quantitation limits
- Data completeness

These items were considered compliant and acceptable in accordance with the validation protocols with the exception of the high MS recovery for chlorobenzene (127%R; QC limit 72-126%R) during the spiked analyses of sample SP217-0507. However, validation qualification of the unspiked sample SP217-0507 was not required since this compound was not detected in the unspiked sample. Therefore, the volatile data presented by Accutest were 100% complete with all data considered usable and valid.

INORGANIC AND OIL AND GREASE ANALYSIS

The following items were reviewed for compliancy in the metals method 200.7; total cyanide method 335.3; and oil and grease method 1664A analyses:

- Custody documentation
- Holding times
- MS recoveries
- LCS recoveries
- Laboratory duplicate precision
- Instrument calibrations
- Interference check sample
- Laboratory method blank contamination
- ICP serial dilutions

- Sample result verification
- Quantitation limits
- Data completeness

These items were considered compliant and acceptable in accordance with the validation protocols. Therefore, the inorganic data and the oil and grease data presented by Accutest were 100% complete (i.e., usable).

Analyte	casno	Method	Labsampid	Date Sampled	Validation Date	Sample	Location	Result	Code	RL	Units	Valid Result	Valid Code
pH		EPA 150.1	J60529-1	07-May-07	29-May-07	SP114	0507	6.68			su		
Ethylbenzene	100-41-4	EPA 624	J60529-1	07-May-07	29-May-07	SP114	0507	10		1	ug/l		
cis-1,3-Dichloropropene	10061-01-5	EPA 624	J60529-1	07-May-07	29-May-07	SP114	0507	0	U	1	ug/l		
trans-1,3-Dichloropropene	10061-02-6	EPA 624	J60529-1	07-May-07	29-May-07	SP114	0507	0	U	1	ug/l		
1,4-Dichlorobenzene	106-46-7	EPA 624	J60529-1	07-May-07	29-May-07	SP114	0507	0	U	1	ug/l		
1,2-Dichloroethane	107-06-2	EPA 624	J60529-1	07-May-07	29-May-07	SP114	0507	0	U	1	ug/l		
Toluene	108-88-3	EPA 624	J60529-1	07-May-07	29-May-07	SP114	0507	8.3		1	ug/l		
Chlorobenzene	108-90-7	EPA 624	J60529-1	07-May-07	29-May-07	SP114	0507	0.56	J	1	ug/l		
Dibromochloromethane	124-48-1	EPA 624	J60529-1	07-May-07	29-May-07	SP114	0507	0	U	1	ug/l		
Tetrachloroethene	127-18-4	EPA 624	J60529-1	07-May-07	29-May-07	SP114	0507	0	U	1	ug/l		
Xylenes (total)	1330-20-7	EPA 624	J60529-1	07-May-07	29-May-07	SP114	0507	10.9		1	ug/l		
cis-1,2-Dichloroethene	156-59-2	EPA 624	J60529-1	07-May-07	29-May-07	SP114	0507	28.3		1	ug/l		
trans-1,2-Dichloroethene	156-60-5	EPA 624	J60529-1	07-May-07	29-May-07	SP114	0507	0.69	J	1	ug/l		
1,3-Dichlorobenzene	541-73-1	EPA 624	J60529-1	07-May-07	29-May-07	SP114	0507	0	U	1	ug/l		
Carbon tetrachloride	56-23-5	EPA 624	J60529-1	07-May-07	29-May-07	SP114	0507	0	U	1	ug/l		
Chloroform	67-66-3	EPA 624	J60529-1	07-May-07	29-May-07	SP114	0507	0	U	1	ug/l		
Benzene	71-43-2	EPA 624	J60529-1	07-May-07	29-May-07	SP114	0507	83		1	ug/l		
1,1,1-Trichloroethane	71-55-6	EPA 624	J60529-1	07-May-07	29-May-07	SP114	0507	5.2		1	ug/l		
Methyl bromide	74-83-9	EPA 624	J60529-1	07-May-07	29-May-07	SP114	0507	0	U	1	ug/l		
Chloromethane	74-87-3	EPA 624	J60529-1	07-May-07	29-May-07	SP114	0507	0	U	1	ug/l		
Chloroethane	75-00-3	EPA 624	J60529-1	07-May-07	29-May-07	SP114	0507	1.2		1	ug/l		
Vinyl chloride	75-01-4	EPA 624	J60529-1	07-May-07	29-May-07	SP114	0507	66.7		2	ug/l		
Methylene chloride	75-09-2	EPA 624	J60529-1	07-May-07	29-May-07	SP114	0507	0	U	1	ug/l		
Bromoform	75-25-2	EPA 624	J60529-1	07-May-07	29-May-07	SP114	0507	0	U	1	ug/l		
Bromodichloromethane	75-27-4	EPA 624	J60529-1	07-May-07	29-May-07	SP114	0507	0	U	1	ug/l		
1,1-Dichloroethane	75-34-3	EPA 624	J60529-1	07-May-07	29-May-07	SP114	0507	19.2		1	ug/l		
1,1-Dichloroethene	75-35-4	EPA 624	J60529-1	07-May-07	29-May-07	SP114	0507	0	U	1	ug/l		
Trichlorofluoromethane	75-69-4	EPA 624	J60529-1	07-May-07	29-May-07	SP114	0507	0	U	2	ug/l		
Dichlorodifluoromethane	75-71-8	EPA 624	J60529-1	07-May-07	29-May-07	SP114	0507	0	U	2	ug/l		
1,2-Dichloropropane	78-87-5	EPA 624	J60529-1	07-May-07	29-May-07	SP114	0507	0	U	1	ug/l		
1,1,2-Trichloroethane	79-00-5	EPA 624	J60529-1	07-May-07	29-May-07	SP114	0507	0	U	1	ug/l		
Trichloroethene	79-01-6	EPA 624	J60529-1	07-May-07	29-May-07	SP114	0507	0.84	J	1	ug/l		
1,1,2,2-Tetrachloroethane	79-34-5	EPA 624	J60529-1	07-May-07	29-May-07	SP114	0507	0	U	1	ug/l		
1,2-Dichlorobenzene	95-50-1	EPA 624	J60529-1	07-May-07	29-May-07	SP114	0507	0	U	1	ug/l		
Aluminum, Total	7429-90-5	EPA 200.7	J60529-1	07-May-07	29-May-07	SP114	0507	0	U	100	ug/l		
Iron, Total	7439-89-6	EPA 200.7	J60529-1	07-May-07	29-May-07	SP114	0507	49300		100	ug/l		
Lead, Total	7439-92-1	EPA 200.7	J60529-1	07-May-07	29-May-07	SP114	0507	0	U	3	ug/l		
Nickel, Total	7440-02-0	EPA 200.7	J60529-1	07-May-07	29-May-07	SP114	0507	0	U	40	ug/l		
Arsenic, Total	7440-38-2	EPA 200.7	J60529-1	07-May-07	29-May-07	SP114	0507	110		8	ug/l		
Chromium, Total	7440-47-3	EPA 200.7	J60529-1	07-May-07	29-May-07	SP114	0507	0	U	10	ug/l		
Copper, Total	7440-50-8	EPA 200.7	J60529-1	07-May-07	29-May-07	SP114	0507	0	U	25	ug/l		
Zinc, Total	7440-66-6	EPA 200.7	J60529-1	07-May-07	29-May-07	SP114	0507	0	U	20	ug/l		

Analyte	casno	Method	Labsampid	Date Sampled	Validation Date	Sample	Location	Result	Code	RL	Units	Valid Result	Valid Code
Ethylbenzene	100-41-4	EPA 624	J60529-2	07-May-07	29-May-07	SP217	0507	0	U	1	ug/l		
cis-1,3-Dichloropropene	10061-01-5	EPA 624	J60529-2	07-May-07	29-May-07	SP217	0507	0	U	1	ug/l		
trans-1,3-Dichloropropene	10061-02-6	EPA 624	J60529-2	07-May-07	29-May-07	SP217	0507	0	U	1	ug/l		
1,4-Dichlorobenzene	106-46-7	EPA 624	J60529-2	07-May-07	29-May-07	SP217	0507	0	U	1	ug/l		
1,2-Dichloroethane	107-06-2	EPA 624	J60529-2	07-May-07	29-May-07	SP217	0507	0	U	1	ug/l		
Toluene	108-88-3	EPA 624	J60529-2	07-May-07	29-May-07	SP217	0507	0	U	1	ug/l		
Chlorobenzene	108-90-7	EPA 624	J60529-2	07-May-07	29-May-07	SP217	0507	0	U	1	ug/l		
Dibromochloromethane	124-48-1	EPA 624	J60529-2	07-May-07	29-May-07	SP217	0507	0	U	1	ug/l		
Tetrachloroethene	127-18-4	EPA 624	J60529-2	07-May-07	29-May-07	SP217	0507	0	U	1	ug/l		
Xylenes (total)	1330-20-7	EPA 624	J60529-2	07-May-07	29-May-07	SP217	0507	0	U	1	ug/l		
cis-1,2-Dichloroethene	156-59-2	EPA 624	J60529-2	07-May-07	29-May-07	SP217	0507	3.3		1	ug/l		
trans-1,2-Dichloroethene	156-60-5	EPA 624	J60529-2	07-May-07	29-May-07	SP217	0507	0	U	1	ug/l		
1,3-Dichlorobenzene	541-73-1	EPA 624	J60529-2	07-May-07	29-May-07	SP217	0507	0	U	1	ug/l		
Carbon tetrachloride	56-23-5	EPA 624	J60529-2	07-May-07	29-May-07	SP217	0507	0	U	1	ug/l		
Chloroform	67-66-3	EPA 624	J60529-2	07-May-07	29-May-07	SP217	0507	1.8		1	ug/l		
Benzene	71-43-2	EPA 624	J60529-2	07-May-07	29-May-07	SP217	0507	0.27	J	1	ug/l		
1,1,1-Trichloroethane	71-55-6	EPA 624	J60529-2	07-May-07	29-May-07	SP217	0507	1.3		1	ug/l		
Methyl bromide	74-83-9	EPA 624	J60529-2	07-May-07	29-May-07	SP217	0507	0	U	1	ug/l		
Chloromethane	74-87-3	EPA 624	J60529-2	07-May-07	29-May-07	SP217	0507	0	U	1	ug/l		
Chloroethane	75-00-3	EPA 624	J60529-2	07-May-07	29-May-07	SP217	0507	0	U	1	ug/l		
Vinyl chloride	75-01-4	EPA 624	J60529-2	07-May-07	29-May-07	SP217	0507	1.2	J	2	ug/l		
Methylene chloride	75-09-2	EPA 624	J60529-2	07-May-07	29-May-07	SP217	0507	0	U	1	ug/l		
Bromoform	75-25-2	EPA 624	J60529-2	07-May-07	29-May-07	SP217	0507	0	U	1	ug/l		
Bromodichloromethane	75-27-4	EPA 624	J60529-2	07-May-07	29-May-07	SP217	0507	0.38	J	1	ug/l		
1,1-Dichloroethane	75-34-3	EPA 624	J60529-2	07-May-07	29-May-07	SP217	0507	7.1		1	ug/l		
1,1-Dichloroethene	75-35-4	EPA 624	J60529-2	07-May-07	29-May-07	SP217	0507	0	U	1	ug/l		
Trichlorofluoromethane	75-69-4	EPA 624	J60529-2	07-May-07	29-May-07	SP217	0507	0	U	2	ug/l		
Dichlorodifluoromethane	75-71-8	EPA 624	J60529-2	07-May-07	29-May-07	SP217	0507	0	U	2	ug/l		
1,2-Dichloropropane	78-87-5	EPA 624	J60529-2	07-May-07	29-May-07	SP217	0507	0	U	1	ug/l		
1,1,2-Trichloroethane	79-00-5	EPA 624	J60529-2	07-May-07	29-May-07	SP217	0507	0	U	1	ug/l		
Trichloroethene	79-01-6	EPA 624	J60529-2	07-May-07	29-May-07	SP217	0507	0	U	1	ug/l		
1,1,2,2-Tetrachloroethane	79-34-5	EPA 624	J60529-2	07-May-07	29-May-07	SP217	0507	0	U	1	ug/l		
1,2-Dichlorobenzene	95-50-1	EPA 624	J60529-2	07-May-07	29-May-07	SP217	0507	0	U	1	ug/l		

Analyte	casno	Method	Labsampid	Date Sampled	Validation Date	Sample	Location	Result	Code	RL	Units	Valid Result	Valid Code
Iron, Total	7439-89-6	EPA 200.7	J60529-3	07-May-07	29-May-07	SP219	0507	0	U	100	ug/l		
Lead, Total	7439-92-1	EPA 200.7	J60529-3	07-May-07	29-May-07	SP219	0507	0	U	3	ug/l		
pH		EPA 150.1	J60529-3	07-May-07	29-May-07	SP219	0507	7.57			su		
Ethylbenzene	100-41-4	EPA 624	J60529-3	07-May-07	29-May-07	SP219	0507	0	U	1	ug/l		
cis-1,3-Dichloropropene	10061-01-5	EPA 624	J60529-3	07-May-07	29-May-07	SP219	0507	0	U	1	ug/l		
trans-1,3-Dichloropropene	10061-02-6	EPA 624	J60529-3	07-May-07	29-May-07	SP219	0507	0	U	1	ug/l		
1,4-Dichlorobenzene	106-46-7	EPA 624	J60529-3	07-May-07	29-May-07	SP219	0507	0	U	1	ug/l		
1,2-Dichloroethane	107-06-2	EPA 624	J60529-3	07-May-07	29-May-07	SP219	0507	0	U	1	ug/l		
Toluene	108-88-3	EPA 624	J60529-3	07-May-07	29-May-07	SP219	0507	0	U	1	ug/l		
Chlorobenzene	108-90-7	EPA 624	J60529-3	07-May-07	29-May-07	SP219	0507	0	U	1	ug/l		
Dibromochloromethane	124-48-1	EPA 624	J60529-3	07-May-07	29-May-07	SP219	0507	0	U	1	ug/l		
Tetrachloroethene	127-18-4	EPA 624	J60529-3	07-May-07	29-May-07	SP219	0507	0	U	1	ug/l		
Xylenes (total)	1330-20-7	EPA 624	J60529-3	07-May-07	29-May-07	SP219	0507	0	U	1	ug/l		
cis-1,2-Dichloroethene	156-59-2	EPA 624	J60529-3	07-May-07	29-May-07	SP219	0507	0.65	J	1	ug/l		
trans-1,2-Dichloroethene	156-60-5	EPA 624	J60529-3	07-May-07	29-May-07	SP219	0507	0	U	1	ug/l		
1,3-Dichlorobenzene	541-73-1	EPA 624	J60529-3	07-May-07	29-May-07	SP219	0507	0	U	1	ug/l		
Carbon tetrachloride	56-23-5	EPA 624	J60529-3	07-May-07	29-May-07	SP219	0507	0	U	1	ug/l		
Chloroform	67-66-3	EPA 624	J60529-3	07-May-07	29-May-07	SP219	0507	1.6		1	ug/l		
Benzene	71-43-2	EPA 624	J60529-3	07-May-07	29-May-07	SP219	0507	0	U	1	ug/l		
1,1,1-Trichloroethane	71-55-6	EPA 624	J60529-3	07-May-07	29-May-07	SP219	0507	0.65	J	1	ug/l		
Methyl bromide	74-83-9	EPA 624	J60529-3	07-May-07	29-May-07	SP219	0507	0	U	1	ug/l		
Chloromethane	74-87-3	EPA 624	J60529-3	07-May-07	29-May-07	SP219	0507	0	U	1	ug/l		
Chloroethane	75-00-3	EPA 624	J60529-3	07-May-07	29-May-07	SP219	0507	0	U	1	ug/l		
Vinyl chloride	75-01-4	EPA 624	J60529-3	07-May-07	29-May-07	SP219	0507	0.35	J	2	ug/l		
Methylene chloride	75-09-2	EPA 624	J60529-3	07-May-07	29-May-07	SP219	0507	0	U	1	ug/l		
Bromoform	75-25-2	EPA 624	J60529-3	07-May-07	29-May-07	SP219	0507	0	U	1	ug/l		
Bromodichloromethane	75-27-4	EPA 624	J60529-3	07-May-07	29-May-07	SP219	0507	0	U	1	ug/l		
1,1-Dichloroethane	75-34-3	EPA 624	J60529-3	07-May-07	29-May-07	SP219	0507	5.1		1	ug/l		
1,1-Dichloroethene	75-35-4	EPA 624	J60529-3	07-May-07	29-May-07	SP219	0507	0	U	1	ug/l		
Trichlorofluoromethane	75-69-4	EPA 624	J60529-3	07-May-07	29-May-07	SP219	0507	0	U	2	ug/l		
Dichlorodifluoromethane	75-71-8	EPA 624	J60529-3	07-May-07	29-May-07	SP219	0507	0	U	2	ug/l		
1,2-Dichloropropane	78-87-5	EPA 624	J60529-3	07-May-07	29-May-07	SP219	0507	0	U	1	ug/l		
1,1,2-Trichloroethane	79-00-5	EPA 624	J60529-3	07-May-07	29-May-07	SP219	0507	0	U	1	ug/l		
Trichloroethene	79-01-6	EPA 624	J60529-3	07-May-07	29-May-07	SP219	0507	0	U	1	ug/l		
1,1,2,2-Tetrachloroethane	79-34-5	EPA 624	J60529-3	07-May-07	29-May-07	SP219	0507	0	U	1	ug/l		
1,2-Dichlorobenzene	95-50-1	EPA 624	J60529-3	07-May-07	29-May-07	SP219	0507	0	U	1	ug/l		
Cyanide	57-12-5	EPA 335.3/LACHAT	J60529-3	07-May-07	29-May-07	SP219	0507	0	U	0.01	mg/l		
Aluminum, Total	7429-90-5	EPA 200.7	J60529-3	07-May-07	29-May-07	SP219	0507	0	U	100	ug/l		
Nickel, Total	7440-02-0	EPA 200.7	J60529-3	07-May-07	29-May-07	SP219	0507	0	U	40	ug/l		
Arsenic, Total	7440-38-2	EPA 200.7	J60529-3	07-May-07	29-May-07	SP219	0507	0	U	8	ug/l		
Chromium, Total	7440-47-3	EPA 200.7	J60529-3	07-May-07	29-May-07	SP219	0507	0	U	10	ug/l		
Copper, Total	7440-50-8	EPA 200.7	J60529-3	07-May-07	29-May-07	SP219	0507	0	U	25	ug/l		
Zinc, Total	7440-66-6	EPA 200.7	J60529-3	07-May-07	29-May-07	SP219	0507	0	U	20	ug/l		
Oil And Grease		EPA 1664A	J60529-3	07-May-07	29-May-07	SP219	0507	0	U	5.1	mg/l		

Analyte	casno	Method	Labsampid	Date Sampled	Validation Date	Sample	Location	Result	Code	RL	Units	Valid Result	Valid Code
Ethylbenzene	100-41-4	EPA 624	J60529-4	07-May-07	29-May-07	UNK	TRIP BLANK	0	U	1	ug/l		
cis-1,3-Dichloropropene	10061-01-5	EPA 624	J60529-4	07-May-07	29-May-07	UNK	TRIP BLANK	0	U	1	ug/l		
trans-1,3-Dichloropropene	10061-02-6	EPA 624	J60529-4	07-May-07	29-May-07	UNK	TRIP BLANK	0	U	1	ug/l		
1,4-Dichlorobenzene	106-46-7	EPA 624	J60529-4	07-May-07	29-May-07	UNK	TRIP BLANK	0	U	1	ug/l		
1,2-Dichloroethane	107-06-2	EPA 624	J60529-4	07-May-07	29-May-07	UNK	TRIP BLANK	0	U	1	ug/l		
Toluene	108-88-3	EPA 624	J60529-4	07-May-07	29-May-07	UNK	TRIP BLANK	0	U	1	ug/l		
Chlorobenzene	108-90-7	EPA 624	J60529-4	07-May-07	29-May-07	UNK	TRIP BLANK	0	U	1	ug/l		
Dibromochloromethane	124-48-1	EPA 624	J60529-4	07-May-07	29-May-07	UNK	TRIP BLANK	0	U	1	ug/l		
Tetrachloroethene	127-18-4	EPA 624	J60529-4	07-May-07	29-May-07	UNK	TRIP BLANK	0	U	1	ug/l		
Xylenes (total)	1330-20-7	EPA 624	J60529-4	07-May-07	29-May-07	UNK	TRIP BLANK	0	U	1	ug/l		
cis-1,2-Dichloroethene	156-59-2	EPA 624	J60529-4	07-May-07	29-May-07	UNK	TRIP BLANK	0	U	1	ug/l		
trans-1,2-Dichloroethene	156-60-5	EPA 624	J60529-4	07-May-07	29-May-07	UNK	TRIP BLANK	0	U	1	ug/l		
1,3-Dichlorobenzene	541-73-1	EPA 624	J60529-4	07-May-07	29-May-07	UNK	TRIP BLANK	0	U	1	ug/l		
Carbon tetrachloride	56-23-5	EPA 624	J60529-4	07-May-07	29-May-07	UNK	TRIP BLANK	0	U	1	ug/l		
Chloroform	67-66-3	EPA 624	J60529-4	07-May-07	29-May-07	UNK	TRIP BLANK	0	U	1	ug/l		
Benzene	71-43-2	EPA 624	J60529-4	07-May-07	29-May-07	UNK	TRIP BLANK	0	U	1	ug/l		
1,1,1-Trichloroethane	71-55-6	EPA 624	J60529-4	07-May-07	29-May-07	UNK	TRIP BLANK	0	U	1	ug/l		
Methyl bromide	74-83-9	EPA 624	J60529-4	07-May-07	29-May-07	UNK	TRIP BLANK	0	U	1	ug/l		
Chloromethane	74-87-3	EPA 624	J60529-4	07-May-07	29-May-07	UNK	TRIP BLANK	0	U	1	ug/l		
Chloroethane	75-00-3	EPA 624	J60529-4	07-May-07	29-May-07	UNK	TRIP BLANK	0	U	1	ug/l		
Vinyl chloride	75-01-4	EPA 624	J60529-4	07-May-07	29-May-07	UNK	TRIP BLANK	0	U	2	ug/l		
Methylene chloride	75-09-2	EPA 624	J60529-4	07-May-07	29-May-07	UNK	TRIP BLANK	0	U	1	ug/l		
Bromoform	75-25-2	EPA 624	J60529-4	07-May-07	29-May-07	UNK	TRIP BLANK	0	U	1	ug/l		
Bromodichloromethane	75-27-4	EPA 624	J60529-4	07-May-07	29-May-07	UNK	TRIP BLANK	0	U	1	ug/l		
1,1-Dichloroethane	75-34-3	EPA 624	J60529-4	07-May-07	29-May-07	UNK	TRIP BLANK	0	U	1	ug/l		
1,1-Dichloroethene	75-35-4	EPA 624	J60529-4	07-May-07	29-May-07	UNK	TRIP BLANK	0	U	1	ug/l		
Trichlorofluoromethane	75-69-4	EPA 624	J60529-4	07-May-07	29-May-07	UNK	TRIP BLANK	0	U	2	ug/l		
Dichlorodifluoromethane	75-71-8	EPA 624	J60529-4	07-May-07	29-May-07	UNK	TRIP BLANK	0	U	2	ug/l		
1,2-Dichloropropane	78-87-5	EPA 624	J60529-4	07-May-07	29-May-07	UNK	TRIP BLANK	0	U	1	ug/l		
1,1,2-Trichloroethane	79-00-5	EPA 624	J60529-4	07-May-07	29-May-07	UNK	TRIP BLANK	0	U	1	ug/l		
Trichloroethene	79-01-6	EPA 624	J60529-4	07-May-07	29-May-07	UNK	TRIP BLANK	0	U	1	ug/l		
1,1,2,2-Tetrachloroethane	79-34-5	EPA 624	J60529-4	07-May-07	29-May-07	UNK	TRIP BLANK	0	U	1	ug/l		
1,2-Dichlorobenzene	95-50-1	EPA 624	J60529-4	07-May-07	29-May-07	UNK	TRIP BLANK	0	U	1	ug/l		
Aluminum, Dissolved	7429-90-5	EPA 200.7	J60529-1F	07-May-07	29-May-07	SP114	0507	0	U	100	ug/l		
Aluminum, Dissolved	7429-90-5	EPA 200.7	J60529-3F	07-May-07	29-May-07	SP219	0507	0	U	100	ug/l		

DATA USABILITY SUMMARY REPORT FOR JUNE 2007 MONTHLY COMPLIANCE MONITORING

ATLANTIC RICHFIELD COMPANY FORMER SINCLAIR REFINERY SITE (OU2) WELLSVILLE, NEW YORK

Three groundwater samples and one field QC trip blank sample were collected from the Former Sinclair Refinery Site in Wellsville, New York on June 5, 2007. These samples were received by Accutest Laboratories (Accutest) within one day of collection on June 6, 2007. The groundwater samples were analyzed by Accutest for halogenated volatile organic compounds (VOCs) and the VOCs benzene, toluene, ethylbenzene, and total xylenes (BTEX) using the USEPA method 624; total metals using the USEPA method 200.7; total cyanide using the USEPA method 335.3; and oil and grease using the USEPA SW-846 method 1664A. Analytical results from these project samples were validated and reviewed by On-Site Technical Services, Inc. (On-Site) for usability in accordance to the USEPA Region II SOPs for organic and inorganic data review.

SUMMARY

The groundwater samples were collected, properly preserved, shipped under a chain-of-custody (COC) record, and received by Accutest at 2.2°C. All samples were received intact and in good condition at Accutest.

The analytical data package generated by Accutest (Accutest Job # J62870) was received by On-Site within 23 days of sample receipt at the laboratory, reviewed, and validated for custody documentation, holding times, surrogate recoveries, matrix spike/matrix spike duplicate (MS/MSD) recoveries, laboratory control sample (LCS) recoveries, laboratory method blank contamination, trip blank contamination, instrument calibrations, internal standard responses, laboratory duplicate precision, quantitation limits, sample result verification, and data completeness. The laboratory sample data were reviewed and may be qualified with the following validation flags:

"U" – not detected at the value given,
"UJ" – estimated and not detected at the value given,
"J" – estimated at the value given, and
"R" – unusable value.

The validated laboratory data were tabulated and are presented in the attached table with the "Valid Result" and "Valid Code" columns representing changes in laboratory data resulting from data validation. Therefore, the positive benzene and vinyl

chloride results for sample SP114-0307 were considered estimated and qualified "J" in the "Valid Code" column as a result of data validation.

VOLATILE ORGANIC ANALYSIS

The following items were reviewed for compliancy in the volatile method 624 analyses:

- Custody documentation
- Holding times
- Surrogate recoveries
- MS/MSD precision and accuracy
- LCS recoveries
- GC/MS instrument performance
- Initial and continuing calibrations
- Laboratory method blank and trip blank contamination
- Internal standard responses
- Sample result verification
- Quantitation limits
- Data completeness

These items were considered compliant and acceptable in accordance with the validation protocols with the exception of the MS/MSD precision and accuracy and LCS recoveries.

All MS/MSD precision (relative percent difference; RPD) and accuracy (percent recovery; %R) measurements were compliant and within QC acceptance criteria with the exception of the low MS/MSD recoveries for benzene (18%R/11%R; QC limit 31-156%R) and vinyl chloride (17%R/3%R; QC limit 56-159%R) and the low MSD recovery for cis-1,2-dichloroethene (67%R; QC limit 69-133%R) during the spiked analyses of sample SP114-0307. Therefore, the positive benzene and vinyl chloride results for the unspiked sample SP114-0307 were considered estimated, possibly biased high, and qualified "J". Validation qualification of cis-1,2-dichloroethene was not warranted for this sample since MS recoveries were compliant for this compound. The noncompliant MS and MSD recoveries for these compounds during the spiked analyses of this sample may be due to the presence of these compounds in the unspiked sample.

All LCS recoveries were compliant and within QC acceptance limits with the exception of the high LCS recovery for dichlorodifluoromethane (179%R; QC limit 41-177%R) associated with all samples. Validation qualification of the project samples was not warranted since this compound was not detected.

Therefore, the volatile data presented by Accutest were 100% complete with all data considered usable and valid.

INORGANIC AND OIL AND GREASE ANALYSIS

The following items were reviewed for compliancy in the metals method 200.7; total cyanide method 335.3; and oil and grease method 1664A analyses:

- Custody documentation
- Holding times
- MS recoveries
- LCS recoveries
- Laboratory duplicate precision
- Instrument calibrations
- Interference check sample
- Laboratory method blank contamination
- ICP serial dilutions
- Sample result verification
- Quantitation limits
- Data completeness

These items were considered compliant and acceptable in accordance with the validation protocols. Therefore, the inorganic data and the oil and grease data presented by Accutest were 100% complete (i.e., usable).

Analyte	casno	Method	Labsampid	Date Sampled	Validation Date	Sample	Location	Result	Code	RL	Units	Valid Result	Valid Code
1,3-Dichlorobenzene	541-73-1	EPA 624	J62870-1	05-Jun-07	05-Jul-07	SP114	0307	0	U	1	ug/l		
Carbon tetrachloride	56-23-5	EPA 624	J62870-1	05-Jun-07	05-Jul-07	SP114	0307	0	U	1	ug/l		
Chloroform	67-66-3	EPA 624	J62870-1	05-Jun-07	05-Jul-07	SP114	0307	0	U	1	ug/l		
Benzene	71-43-2	EPA 624	J62870-1	05-Jun-07	05-Jul-07	SP114	0307	78.5		1	ug/l		J
1,1,1-Trichloroethane	71-55-6	EPA 624	J62870-1	05-Jun-07	05-Jul-07	SP114	0307	6.3		1	ug/l		
Methyl bromide	74-83-9	EPA 624	J62870-1	05-Jun-07	05-Jul-07	SP114	0307	0	U	1	ug/l		
Chloromethane	74-87-3	EPA 624	J62870-1	05-Jun-07	05-Jul-07	SP114	0307	0	U	1	ug/l		
Chloroethane	75-00-3	EPA 624	J62870-1	05-Jun-07	05-Jul-07	SP114	0307	0.82	J	1	ug/l		
Vinyl chloride	75-01-4	EPA 624	J62870-1	05-Jun-07	05-Jul-07	SP114	0307	58.4		2	ug/l		J
Methylene chloride	75-09-2	EPA 624	J62870-1	05-Jun-07	05-Jul-07	SP114	0307	0	U	1	ug/l		
Bromoform	75-25-2	EPA 624	J62870-1	05-Jun-07	05-Jul-07	SP114	0307	0	U	1	ug/l		
Bromodichloromethane	75-27-4	EPA 624	J62870-1	05-Jun-07	05-Jul-07	SP114	0307	0	U	1	ug/l		
1,1-Dichloroethane	75-34-3	EPA 624	J62870-1	05-Jun-07	05-Jul-07	SP114	0307	14.4		1	ug/l		
1,1-Dichloroethene	75-35-4	EPA 624	J62870-1	05-Jun-07	05-Jul-07	SP114	0307	0	U	1	ug/l		
Trichlorofluoromethane	75-69-4	EPA 624	J62870-1	05-Jun-07	05-Jul-07	SP114	0307	0	U	2	ug/l		
Dichlorodifluoromethane	75-71-8	EPA 624	J62870-1	05-Jun-07	05-Jul-07	SP114	0307	0	U	2	ug/l		
1,2-Dichloropropane	78-87-5	EPA 624	J62870-1	05-Jun-07	05-Jul-07	SP114	0307	0	U	1	ug/l		
1,1,2-Trichloroethane	79-00-5	EPA 624	J62870-1	05-Jun-07	05-Jul-07	SP114	0307	0	U	1	ug/l		
pH		EPA 150.1	J62870-1	05-Jun-07	05-Jul-07	SP114	0307	6.73			su		
Ethylbenzene	100-41-4	EPA 624	J62870-1	05-Jun-07	05-Jul-07	SP114	0307	8		1	ug/l		
cis-1,3-Dichloropropene	10061-01-5	EPA 624	J62870-1	05-Jun-07	05-Jul-07	SP114	0307	0	U	1	ug/l		
trans-1,3-Dichloropropene	10061-02-6	EPA 624	J62870-1	05-Jun-07	05-Jul-07	SP114	0307	0	U	1	ug/l		
1,4-Dichlorobenzene	106-46-7	EPA 624	J62870-1	05-Jun-07	05-Jul-07	SP114	0307	0	U	1	ug/l		
1,2-Dichloroethane	107-06-2	EPA 624	J62870-1	05-Jun-07	05-Jul-07	SP114	0307	0	U	1	ug/l		
Toluene	108-88-3	EPA 624	J62870-1	05-Jun-07	05-Jul-07	SP114	0307	8		1	ug/l		
Chlorobenzene	108-90-7	EPA 624	J62870-1	05-Jun-07	05-Jul-07	SP114	0307	0.6	J	1	ug/l		
Dibromochloromethane	124-48-1	EPA 624	J62870-1	05-Jun-07	05-Jul-07	SP114	0307	0	U	1	ug/l		
Tetrachloroethene	127-18-4	EPA 624	J62870-1	05-Jun-07	05-Jul-07	SP114	0307	0	U	1	ug/l		
Xylenes (total)	1330-20-7	EPA 624	J62870-1	05-Jun-07	05-Jul-07	SP114	0307	12.6		1	ug/l		
cis-1,2-Dichloroethene	156-59-2	EPA 624	J62870-1	05-Jun-07	05-Jul-07	SP114	0307	23.3		1	ug/l		
trans-1,2-Dichloroethene	156-60-5	EPA 624	J62870-1	05-Jun-07	05-Jul-07	SP114	0307	0.66	J	1	ug/l		
Trichloroethene	79-01-6	EPA 624	J62870-1	05-Jun-07	05-Jul-07	SP114	0307	0	U	1	ug/l		
1,1,2,2-Tetrachloroethane	79-34-5	EPA 624	J62870-1	05-Jun-07	05-Jul-07	SP114	0307	0	U	1	ug/l		
1,2-Dichlorobenzene	95-50-1	EPA 624	J62870-1	05-Jun-07	05-Jul-07	SP114	0307	0	U	1	ug/l		
Aluminum, Total	7429-90-5	EPA 200.7	J62870-1	05-Jun-07	05-Jul-07	SP114	0307	0	U	100	ug/l		
Iron, Total	7439-89-6	EPA 200.7	J62870-1	05-Jun-07	05-Jul-07	SP114	0307	46200		100	ug/l		
Lead, Total	7439-92-1	EPA 200.7	J62870-1	05-Jun-07	05-Jul-07	SP114	0307	0	U	3	ug/l		
Nickel, Total	7440-02-0	EPA 200.7	J62870-1	05-Jun-07	05-Jul-07	SP114	0307	0	U	40	ug/l		
Arsenic, Total	7440-38-2	EPA 200.7	J62870-1	05-Jun-07	05-Jul-07	SP114	0307	107		8	ug/l		
Chromium, Total	7440-47-3	EPA 200.7	J62870-1	05-Jun-07	05-Jul-07	SP114	0307	0	U	10	ug/l		
Copper, Total	7440-50-8	EPA 200.7	J62870-1	05-Jun-07	05-Jul-07	SP114	0307	0	U	25	ug/l		
Zinc, Total	7440-66-6	EPA 200.7	J62870-1	05-Jun-07	05-Jul-07	SP114	0307	0	U	20	ug/l		
Aluminum, Dissolved	7429-90-5	EPA 200.7	J62870-1F	05-Jun-07	05-Jul-07	SP114	0307	0	U	100	ug/l		

Analyte	casno	Method	Labsampid	Date Sampled	Validation Date	Sample	Location	Result	Code	RL	Units	Valid Result	Valid Code
Ethylbenzene	100-41-4	EPA 624	J62870-2	05-Jun-07	05-Jul-07	SP217	0307	0	U	1	ug/l		
cis-1,3-Dichloropropene	10061-01-5	EPA 624	J62870-2	05-Jun-07	05-Jul-07	SP217	0307	0	U	1	ug/l		
trans-1,3-Dichloropropene	10061-02-6	EPA 624	J62870-2	05-Jun-07	05-Jul-07	SP217	0307	0	U	1	ug/l		
1,4-Dichlorobenzene	106-46-7	EPA 624	J62870-2	05-Jun-07	05-Jul-07	SP217	0307	0	U	1	ug/l		
1,2-Dichloroethane	107-06-2	EPA 624	J62870-2	05-Jun-07	05-Jul-07	SP217	0307	0	U	1	ug/l		
Toluene	108-88-3	EPA 624	J62870-2	05-Jun-07	05-Jul-07	SP217	0307	0	U	1	ug/l		
Chlorobenzene	108-90-7	EPA 624	J62870-2	05-Jun-07	05-Jul-07	SP217	0307	0	U	1	ug/l		
Dibromochloromethane	124-48-1	EPA 624	J62870-2	05-Jun-07	05-Jul-07	SP217	0307	0	U	1	ug/l		
Tetrachloroethene	127-18-4	EPA 624	J62870-2	05-Jun-07	05-Jul-07	SP217	0307	0	U	1	ug/l		
Xylenes (total)	1330-20-7	EPA 624	J62870-2	05-Jun-07	05-Jul-07	SP217	0307	0	U	1	ug/l		
cis-1,2-Dichloroethene	156-59-2	EPA 624	J62870-2	05-Jun-07	05-Jul-07	SP217	0307	2.4		1	ug/l		
trans-1,2-Dichloroethene	156-60-5	EPA 624	J62870-2	05-Jun-07	05-Jul-07	SP217	0307	0	U	1	ug/l		
1,3-Dichlorobenzene	541-73-1	EPA 624	J62870-2	05-Jun-07	05-Jul-07	SP217	0307	0	U	1	ug/l		
Carbon tetrachloride	56-23-5	EPA 624	J62870-2	05-Jun-07	05-Jul-07	SP217	0307	0	U	1	ug/l		
Chloroform	67-66-3	EPA 624	J62870-2	05-Jun-07	05-Jul-07	SP217	0307	1.9		1	ug/l		
Benzene	71-43-2	EPA 624	J62870-2	05-Jun-07	05-Jul-07	SP217	0307	0	U	1	ug/l		
1,1,1-Trichloroethane	71-55-6	EPA 624	J62870-2	05-Jun-07	05-Jul-07	SP217	0307	0.91	J	1	ug/l		
Methyl bromide	74-83-9	EPA 624	J62870-2	05-Jun-07	05-Jul-07	SP217	0307	0	U	1	ug/l		
Chloromethane	74-87-3	EPA 624	J62870-2	05-Jun-07	05-Jul-07	SP217	0307	0	U	1	ug/l		
Chloroethane	75-00-3	EPA 624	J62870-2	05-Jun-07	05-Jul-07	SP217	0307	0	U	1	ug/l		
Vinyl chloride	75-01-4	EPA 624	J62870-2	05-Jun-07	05-Jul-07	SP217	0307	0	U	2	ug/l		
Methylene chloride	75-09-2	EPA 624	J62870-2	05-Jun-07	05-Jul-07	SP217	0307	0	U	1	ug/l		
Bromoform	75-25-2	EPA 624	J62870-2	05-Jun-07	05-Jul-07	SP217	0307	0	U	1	ug/l		
Bromodichloromethane	75-27-4	EPA 624	J62870-2	05-Jun-07	05-Jul-07	SP217	0307	0	U	1	ug/l		
1,1-Dichloroethane	75-34-3	EPA 624	J62870-2	05-Jun-07	05-Jul-07	SP217	0307	4.8		1	ug/l		
1,1-Dichloroethene	75-35-4	EPA 624	J62870-2	05-Jun-07	05-Jul-07	SP217	0307	0	U	1	ug/l		
Trichlorofluoromethane	75-69-4	EPA 624	J62870-2	05-Jun-07	05-Jul-07	SP217	0307	0	U	2	ug/l		
Dichlorodifluoromethane	75-71-8	EPA 624	J62870-2	05-Jun-07	05-Jul-07	SP217	0307	0	U	2	ug/l		
1,2-Dichloropropane	78-87-5	EPA 624	J62870-2	05-Jun-07	05-Jul-07	SP217	0307	0	U	1	ug/l		
1,1,2-Trichloroethane	79-00-5	EPA 624	J62870-2	05-Jun-07	05-Jul-07	SP217	0307	0	U	1	ug/l		
Trichloroethene	79-01-6	EPA 624	J62870-2	05-Jun-07	05-Jul-07	SP217	0307	0	U	1	ug/l		
1,1,2,2-Tetrachloroethane	79-34-5	EPA 624	J62870-2	05-Jun-07	05-Jul-07	SP217	0307	0	U	1	ug/l		
1,2-Dichlorobenzene	95-50-1	EPA 624	J62870-2	05-Jun-07	05-Jul-07	SP217	0307	0	U	1	ug/l		

Analyte	casno	Method	Labsampid	Date Sampled	Validation Date	Sample	Location	Result	Code	RL	Units	Valid Result	Valid Code
pH		EPA 150.1	J62870-3	05-Jun-07	05-Jul-07	SP219	0307	7.35			su		
Ethylbenzene	100-41-4	EPA 624	J62870-3	05-Jun-07	05-Jul-07	SP219	0307	0	U	1	ug/l		
cis-1,3-Dichloropropene	10061-01-5	EPA 624	J62870-3	05-Jun-07	05-Jul-07	SP219	0307	0	U	1	ug/l		
trans-1,3-Dichloropropene	10061-02-6	EPA 624	J62870-3	05-Jun-07	05-Jul-07	SP219	0307	0	U	1	ug/l		
1,4-Dichlorobenzene	106-46-7	EPA 624	J62870-3	05-Jun-07	05-Jul-07	SP219	0307	0	U	1	ug/l		
1,2-Dichloroethane	107-06-2	EPA 624	J62870-3	05-Jun-07	05-Jul-07	SP219	0307	0	U	1	ug/l		
Toluene	108-88-3	EPA 624	J62870-3	05-Jun-07	05-Jul-07	SP219	0307	0	U	1	ug/l		
Chlorobenzene	108-90-7	EPA 624	J62870-3	05-Jun-07	05-Jul-07	SP219	0307	0	U	1	ug/l		
Dibromochloromethane	124-48-1	EPA 624	J62870-3	05-Jun-07	05-Jul-07	SP219	0307	0	U	1	ug/l		
Tetrachloroethene	127-18-4	EPA 624	J62870-3	05-Jun-07	05-Jul-07	SP219	0307	0	U	1	ug/l		
Xylenes (total)	1330-20-7	EPA 624	J62870-3	05-Jun-07	05-Jul-07	SP219	0307	0	U	1	ug/l		
cis-1,2-Dichloroethene	156-59-2	EPA 624	J62870-3	05-Jun-07	05-Jul-07	SP219	0307	1		1	ug/l		
trans-1,2-Dichloroethene	156-60-5	EPA 624	J62870-3	05-Jun-07	05-Jul-07	SP219	0307	0	U	1	ug/l		
1,3-Dichlorobenzene	541-73-1	EPA 624	J62870-3	05-Jun-07	05-Jul-07	SP219	0307	0	U	1	ug/l		
Carbon tetrachloride	56-23-5	EPA 624	J62870-3	05-Jun-07	05-Jul-07	SP219	0307	0	U	1	ug/l		
Chloroform	67-66-3	EPA 624	J62870-3	05-Jun-07	05-Jul-07	SP219	0307	1.6		1	ug/l		
Benzene	71-43-2	EPA 624	J62870-3	05-Jun-07	05-Jul-07	SP219	0307	0	U	1	ug/l		
1,1,1-Trichloroethane	71-55-6	EPA 624	J62870-3	05-Jun-07	05-Jul-07	SP219	0307	0.63	J	1	ug/l		
Methyl bromide	74-83-9	EPA 624	J62870-3	05-Jun-07	05-Jul-07	SP219	0307	0	U	1	ug/l		
Chloromethane	74-87-3	EPA 624	J62870-3	05-Jun-07	05-Jul-07	SP219	0307	0	U	1	ug/l		
Chloroethane	75-00-3	EPA 624	J62870-3	05-Jun-07	05-Jul-07	SP219	0307	0	U	1	ug/l		
Vinyl chloride	75-01-4	EPA 624	J62870-3	05-Jun-07	05-Jul-07	SP219	0307	0	U	2	ug/l		
Methylene chloride	75-09-2	EPA 624	J62870-3	05-Jun-07	05-Jul-07	SP219	0307	0	U	1	ug/l		
Bromoform	75-25-2	EPA 624	J62870-3	05-Jun-07	05-Jul-07	SP219	0307	0	U	1	ug/l		
Bromodichloromethane	75-27-4	EPA 624	J62870-3	05-Jun-07	05-Jul-07	SP219	0307	0	U	1	ug/l		
1,1-Dichloroethane	75-34-3	EPA 624	J62870-3	05-Jun-07	05-Jul-07	SP219	0307	4.6		1	ug/l		
1,1-Dichloroethene	75-35-4	EPA 624	J62870-3	05-Jun-07	05-Jul-07	SP219	0307	0	U	1	ug/l		
Trichlorofluoromethane	75-69-4	EPA 624	J62870-3	05-Jun-07	05-Jul-07	SP219	0307	0	U	2	ug/l		
Dichlorodifluoromethane	75-71-8	EPA 624	J62870-3	05-Jun-07	05-Jul-07	SP219	0307	0	U	2	ug/l		
1,2-Dichloropropane	78-87-5	EPA 624	J62870-3	05-Jun-07	05-Jul-07	SP219	0307	0	U	1	ug/l		
1,1,2-Trichloroethane	79-00-5	EPA 624	J62870-3	05-Jun-07	05-Jul-07	SP219	0307	0	U	1	ug/l		
Trichloroethene	79-01-6	EPA 624	J62870-3	05-Jun-07	05-Jul-07	SP219	0307	0	U	1	ug/l		
1,1,2,2-Tetrachloroethane	79-34-5	EPA 624	J62870-3	05-Jun-07	05-Jul-07	SP219	0307	0	U	1	ug/l		
1,2-Dichlorobenzene	95-50-1	EPA 624	J62870-3	05-Jun-07	05-Jul-07	SP219	0307	0	U	1	ug/l		
Cyanide	57-12-5	EPA 335.3/LACHAT	J62870-3	05-Jun-07	05-Jul-07	SP219	0307	0	U	0.01	mg/l		
Oil And Grease		EPA 1664A	J62870-3	05-Jun-07	05-Jul-07	SP219	0307	0	U	5.1	mg/l		
Aluminum, Total	7429-90-5	EPA 200.7	J62870-3	05-Jun-07	05-Jul-07	SP219	0307	0	U	100	ug/l		
Iron, Total	7439-89-6	EPA 200.7	J62870-3	05-Jun-07	05-Jul-07	SP219	0307	0	U	100	ug/l		
Lead, Total	7439-92-1	EPA 200.7	J62870-3	05-Jun-07	05-Jul-07	SP219	0307	0	U	3	ug/l		
Nickel, Total	7440-02-0	EPA 200.7	J62870-3	05-Jun-07	05-Jul-07	SP219	0307	0	U	40	ug/l		
Arsenic, Total	7440-38-2	EPA 200.7	J62870-3	05-Jun-07	05-Jul-07	SP219	0307	0	U	8	ug/l		
Chromium, Total	7440-47-3	EPA 200.7	J62870-3	05-Jun-07	05-Jul-07	SP219	0307	0	U	10	ug/l		
Copper, Total	7440-50-8	EPA 200.7	J62870-3	05-Jun-07	05-Jul-07	SP219	0307	0	U	25	ug/l		
Zinc, Total	7440-66-6	EPA 200.7	J62870-3	05-Jun-07	05-Jul-07	SP219	0307	0	U	20	ug/l		
Aluminum, Dissolved	7429-90-5	EPA 200.7	J62870-3F	05-Jun-07	05-Jul-07	SP219	0307	0	U	100	ug/l		

Analyte	casno	Method	Labsampid	Date Sampled	Validation Date	Sample	Location	Result	Code	RL	Units	Valid Result	Valid Code
Ethylbenzene	100-41-4	EPA 624	J62870-4	05-Jun-07	05-Jul-07	UNK	TRIP BLANK	0	U	1	ug/l		
cis-1,3-Dichloropropene	10061-01-5	EPA 624	J62870-4	05-Jun-07	05-Jul-07	UNK	TRIP BLANK	0	U	1	ug/l		
trans-1,3-Dichloropropene	10061-02-6	EPA 624	J62870-4	05-Jun-07	05-Jul-07	UNK	TRIP BLANK	0	U	1	ug/l		
1,4-Dichlorobenzene	106-46-7	EPA 624	J62870-4	05-Jun-07	05-Jul-07	UNK	TRIP BLANK	0	U	1	ug/l		
1,2-Dichloroethane	107-06-2	EPA 624	J62870-4	05-Jun-07	05-Jul-07	UNK	TRIP BLANK	0	U	1	ug/l		
Toluene	108-88-3	EPA 624	J62870-4	05-Jun-07	05-Jul-07	UNK	TRIP BLANK	0	U	1	ug/l		
Chlorobenzene	108-90-7	EPA 624	J62870-4	05-Jun-07	05-Jul-07	UNK	TRIP BLANK	0	U	1	ug/l		
Dibromochloromethane	124-48-1	EPA 624	J62870-4	05-Jun-07	05-Jul-07	UNK	TRIP BLANK	0	U	1	ug/l		
Tetrachloroethene	127-18-4	EPA 624	J62870-4	05-Jun-07	05-Jul-07	UNK	TRIP BLANK	0	U	1	ug/l		
Xylenes (total)	1330-20-7	EPA 624	J62870-4	05-Jun-07	05-Jul-07	UNK	TRIP BLANK	0	U	1	ug/l		
cis-1,2-Dichloroethene	156-59-2	EPA 624	J62870-4	05-Jun-07	05-Jul-07	UNK	TRIP BLANK	0	U	1	ug/l		
trans-1,2-Dichloroethene	156-60-5	EPA 624	J62870-4	05-Jun-07	05-Jul-07	UNK	TRIP BLANK	0	U	1	ug/l		
1,3-Dichlorobenzene	541-73-1	EPA 624	J62870-4	05-Jun-07	05-Jul-07	UNK	TRIP BLANK	0	U	1	ug/l		
Carbon tetrachloride	56-23-5	EPA 624	J62870-4	05-Jun-07	05-Jul-07	UNK	TRIP BLANK	0	U	1	ug/l		
Chloroform	67-66-3	EPA 624	J62870-4	05-Jun-07	05-Jul-07	UNK	TRIP BLANK	0	U	1	ug/l		
Benzene	71-43-2	EPA 624	J62870-4	05-Jun-07	05-Jul-07	UNK	TRIP BLANK	0	U	1	ug/l		
1,1,1-Trichloroethane	71-55-6	EPA 624	J62870-4	05-Jun-07	05-Jul-07	UNK	TRIP BLANK	0	U	1	ug/l		
Methyl bromide	74-83-9	EPA 624	J62870-4	05-Jun-07	05-Jul-07	UNK	TRIP BLANK	0	U	1	ug/l		
Chloromethane	74-87-3	EPA 624	J62870-4	05-Jun-07	05-Jul-07	UNK	TRIP BLANK	0	U	1	ug/l		
Chloroethane	75-00-3	EPA 624	J62870-4	05-Jun-07	05-Jul-07	UNK	TRIP BLANK	0	U	1	ug/l		
Vinyl chloride	75-01-4	EPA 624	J62870-4	05-Jun-07	05-Jul-07	UNK	TRIP BLANK	0	U	2	ug/l		
Methylene chloride	75-09-2	EPA 624	J62870-4	05-Jun-07	05-Jul-07	UNK	TRIP BLANK	0	U	1	ug/l		
Bromoform	75-25-2	EPA 624	J62870-4	05-Jun-07	05-Jul-07	UNK	TRIP BLANK	0	U	1	ug/l		
Bromodichloromethane	75-27-4	EPA 624	J62870-4	05-Jun-07	05-Jul-07	UNK	TRIP BLANK	0	U	1	ug/l		
1,1-Dichloroethane	75-34-3	EPA 624	J62870-4	05-Jun-07	05-Jul-07	UNK	TRIP BLANK	0	U	1	ug/l		
1,1-Dichloroethene	75-35-4	EPA 624	J62870-4	05-Jun-07	05-Jul-07	UNK	TRIP BLANK	0	U	1	ug/l		
Trichlorofluoromethane	75-69-4	EPA 624	J62870-4	05-Jun-07	05-Jul-07	UNK	TRIP BLANK	0	U	2	ug/l		
Dichlorodifluoromethane	75-71-8	EPA 624	J62870-4	05-Jun-07	05-Jul-07	UNK	TRIP BLANK	0	U	2	ug/l		
1,2-Dichloropropane	78-87-5	EPA 624	J62870-4	05-Jun-07	05-Jul-07	UNK	TRIP BLANK	0	U	1	ug/l		
1,1,2-Trichloroethane	79-00-5	EPA 624	J62870-4	05-Jun-07	05-Jul-07	UNK	TRIP BLANK	0	U	1	ug/l		
Trichloroethene	79-01-6	EPA 624	J62870-4	05-Jun-07	05-Jul-07	UNK	TRIP BLANK	0	U	1	ug/l		
1,1,2,2-Tetrachloroethane	79-34-5	EPA 624	J62870-4	05-Jun-07	05-Jul-07	UNK	TRIP BLANK	0	U	1	ug/l		
1,2-Dichlorobenzene	95-50-1	EPA 624	J62870-4	05-Jun-07	05-Jul-07	UNK	TRIP BLANK	0	U	1	ug/l		

DATA USABILITY SUMMARY REPORT FOR JULY 2007 MONTHLY COMPLIANCE MONITORING

ATLANTIC RICHFIELD COMPANY FORMER SINCLAIR REFINERY SITE (OU2) WELLSVILLE, NEW YORK

Three groundwater samples and one field QC trip blank sample were collected from the Former Sinclair Refinery Site in Wellsville, New York on July 2, 2007. These samples were received by Accutest Laboratories (Accutest) within one day of collection on July 3, 2007. The groundwater samples were analyzed by Accutest for halogenated volatile organic compounds (VOCs) and the VOCs benzene, toluene, ethylbenzene, and total xylenes (BTEX) using the USEPA method 624; total metals using the USEPA method 200.7; total cyanide using the USEPA method 335.3; and oil and grease using the USEPA SW-846 method 1664A. Analytical results from these project samples were validated and reviewed by On-Site Technical Services, Inc. (On-Site) for usability in accordance to the USEPA Region II SOPs for organic and inorganic data review.

SUMMARY

The groundwater samples were collected, properly preserved, shipped under a chain-of-custody (COC) record, and received by Accutest at 2.4°C. All samples were received intact and in good condition at Accutest.

The analytical data package generated by Accutest (Accutest Job # J65272) was received by On-Site within 30 days of sample receipt at the laboratory, reviewed, and validated for custody documentation, holding times, surrogate recoveries, matrix spike/matrix spike duplicate (MS/MSD) recoveries, laboratory control sample (LCS) recoveries, laboratory method blank contamination, trip blank contamination, instrument calibrations, internal standard responses, laboratory duplicate precision, quantitation limits, sample result verification, and data completeness. The laboratory sample data were reviewed and may be qualified with the following validation flags:

"U" – not detected at the value given,
"UJ" – estimated and not detected at the value given,
"J" – estimated at the value given, and
"R" – unusable value.

The validated laboratory data were tabulated and are presented in the attached table with the "Valid Result" and "Valid Code" columns representing changes in laboratory data resulting from data validation. Therefore, the nondetected

dichlorodifluoromethane results for all samples and the nondetected bromomethane, chloroethane, trichlorofluoromethane, and carbon tetrachloride results for sample TRIP BLANK were considered estimated and qualified "UJ" in the "Valid Code" column as a result of data validation.

VOLATILE ORGANIC ANALYSIS

The following items were reviewed for compliancy in the volatile method 624 analyses:

- Custody documentation
- Holding times
- Surrogate recoveries
- MS/MSD precision and accuracy
- LCS recoveries
- GC/MS instrument performance
- Initial and continuing calibrations
- Laboratory method blank and trip blank contamination
- Internal standard responses
- Sample result verification
- Quantitation limits
- Data completeness

These items were considered compliant and acceptable in accordance with the validation protocols with the exception of the LCS recoveries and continuing calibrations.

All LCS recoveries were compliant and within QC acceptance limits with the exception of the high LCS recoveries for dichlorodifluoromethane (247%R; QC limit 41-177%R), chloroethane (144%R; QC limit 61-143%R), chloromethane (133%R; QC limit 48-131%R), and vinyl chloride (142%R; QC limit 54-137%R) associated with sample TRIP BLANK; and the high LCS recoveries for 1,2-dichlorobenzene (146%R; QC limit 68-133%R), 1,3-dichlorobenzene (151%R; QC limit 66-133%R), and 1,4-dichlorobenzene (149%R; QC limit 66-132%R) associated with all samples except TRIP BLANK. Validation qualification of the project samples was not warranted since these compounds were not detected.

All continuing calibration compounds were compliant with a minimum relative response factor (RRF) of 0.05 and maximum percent difference (%D) within ±25% with the exception of dichlorodifluoromethane (-39.9%D, -42.9%D) in the continuing calibration associated with all samples; and bromomethane (-25.4%D), chloroethane (–25.7%D), trichlorofluoromethane (–35.2%D), and carbon tetrachloride (-38.1%D) in the continuing calibration associated with TRIP BLANK. Therefore, the results for these noncompliant compounds which were nondetects, were considered estimated and qualified "UJ" for the affected samples.

Therefore, the volatile data presented by Accutest were 100% complete with all data considered usable and valid.

INORGANIC AND OIL AND GREASE ANALYSIS

The following items were reviewed for compliancy in the metals method 200.7; total cyanide method 335.3; and oil and grease method 1664A analyses:

- Custody documentation
- Holding times
- MS recoveries
- LCS recoveries
- Laboratory duplicate precision
- Instrument calibrations
- Interference check sample
- Laboratory method blank contamination
- ICP serial dilutions
- Sample result verification
- Quantitation limits
- Data completeness

These items were considered compliant and acceptable in accordance with the validation protocols. Therefore, the inorganic data and the oil and grease data presented by Accutest were 100% complete (i.e., usable).

Analyte	casno	Method	Labsampid	Date Sampled	Validation Date	Sample	Location	Result	Code	RL	Units	Valid Result	Valid Code
Aluminum, Dissolved	7429-90-5	EPA 200.7	J65272-1F	02-Jul-07	07-Aug-07	SP114	0707	0	U	100	ug/l		
Aluminum, Total	7429-90-5	EPA 200.7	J65272-1	02-Jul-07	07-Aug-07	SP114	0707	0	U	100	ug/l		
Iron, Total	7439-89-6	EPA 200.7	J65272-1	02-Jul-07	07-Aug-07	SP114	0707	47000		100	ug/l		
Lead, Total	7439-92-1	EPA 200.7	J65272-1	02-Jul-07	07-Aug-07	SP114	0707	3.7		3	ug/l		
Nickel, Total	7440-02-0	EPA 200.7	J65272-1	02-Jul-07	07-Aug-07	SP114	0707	0	U	40	ug/l		
Arsenic, Total	7440-38-2	EPA 200.7	J65272-1	02-Jul-07	07-Aug-07	SP114	0707	119		8	ug/l		
Chromium, Total	7440-47-3	EPA 200.7	J65272-1	02-Jul-07	07-Aug-07	SP114	0707	0	U	10	ug/l		
Copper, Total	7440-50-8	EPA 200.7	J65272-1	02-Jul-07	07-Aug-07	SP114	0707	0	U	25	ug/l		
Zinc, Total	7440-66-6	EPA 200.7	J65272-1	02-Jul-07	07-Aug-07	SP114	0707	0	U	20	ug/l		
Ethylbenzene	100-41-4	EPA 624	J65272-1	02-Jul-07	07-Aug-07	SP114	0707	5.7		1	ug/l		
cis-1,3-Dichloropropene	10061-01-5	EPA 624	J65272-1	02-Jul-07	07-Aug-07	SP114	0707	0	U	1	ug/l		
trans-1,3-Dichloropropene	10061-02-6	EPA 624	J65272-1	02-Jul-07	07-Aug-07	SP114	0707	0	U	1	ug/l		
1,4-Dichlorobenzene	106-46-7	EPA 624	J65272-1	02-Jul-07	07-Aug-07	SP114	0707	0	U	1	ug/l		
1,2-Dichloroethane	107-06-2	EPA 624	J65272-1	02-Jul-07	07-Aug-07	SP114	0707	0	U	1	ug/l		
Toluene	108-88-3	EPA 624	J65272-1	02-Jul-07	07-Aug-07	SP114	0707	7.7		1	ug/l		
Chlorobenzene	108-90-7	EPA 624	J65272-1	02-Jul-07	07-Aug-07	SP114	0707	0.76	J	1	ug/l		
Dibromochloromethane	124-48-1	EPA 624	J65272-1	02-Jul-07	07-Aug-07	SP114	0707	0	U	1	ug/l		
Tetrachloroethene	127-18-4	EPA 624	J65272-1	02-Jul-07	07-Aug-07	SP114	0707	0	U	1	ug/l		
Xylenes (total)	1330-20-7	EPA 624	J65272-1	02-Jul-07	07-Aug-07	SP114	0707	11.2		1	ug/l		
cis-1,2-Dichloroethene	156-59-2	EPA 624	J65272-1	02-Jul-07	07-Aug-07	SP114	0707	21.6		1	ug/l		
trans-1,2-Dichloroethene	156-60-5	EPA 624	J65272-1	02-Jul-07	07-Aug-07	SP114	0707	0.89	J	1	ug/l		
1,3-Dichlorobenzene	541-73-1	EPA 624	J65272-1	02-Jul-07	07-Aug-07	SP114	0707	0	U	1	ug/l		
Carbon tetrachloride	56-23-5	EPA 624	J65272-1	02-Jul-07	07-Aug-07	SP114	0707	0	U	1	ug/l		
Chloroform	67-66-3	EPA 624	J65272-1	02-Jul-07	07-Aug-07	SP114	0707	0	U	1	ug/l		
Benzene	71-43-2	EPA 624	J65272-1	02-Jul-07	07-Aug-07	SP114	0707	82.5		1	ug/l		
1,1,1-Trichloroethane	71-55-6	EPA 624	J65272-1	02-Jul-07	07-Aug-07	SP114	0707	7.3		1	ug/l		
Bromomethane	74-83-9	EPA 624	J65272-1	02-Jul-07	07-Aug-07	SP114	0707	0	U	1	ug/l		
Chloromethane	74-87-3	EPA 624	J65272-1	02-Jul-07	07-Aug-07	SP114	0707	0	U	1	ug/l		
Chloroethane	75-00-3	EPA 624	J65272-1	02-Jul-07	07-Aug-07	SP114	0707	1.3		1	ug/l		
Vinyl chloride	75-01-4	EPA 624	J65272-1	02-Jul-07	07-Aug-07	SP114	0707	58.6		2	ug/l		
Methylene chloride	75-09-2	EPA 624	J65272-1	02-Jul-07	07-Aug-07	SP114	0707	0	U	1	ug/l		
Bromoform	75-25-2	EPA 624	J65272-1	02-Jul-07	07-Aug-07	SP114	0707	0	U	1	ug/l		
Dichlorobromomethane	75-27-4	EPA 624	J65272-1	02-Jul-07	07-Aug-07	SP114	0707	0	U	1	ug/l		
1,1-Dichloroethane	75-34-3	EPA 624	J65272-1	02-Jul-07	07-Aug-07	SP114	0707	16.1		1	ug/l		
1,1-Dichloroethene	75-35-4	EPA 624	J65272-1	02-Jul-07	07-Aug-07	SP114	0707	0	U	1	ug/l		
Trichlorofluoromethane	75-69-4	EPA 624	J65272-1	02-Jul-07	07-Aug-07	SP114	0707	0	U	2	ug/l		
Dichlorodifluoromethane	75-71-8	EPA 624	J65272-1	02-Jul-07	07-Aug-07	SP114	0707	0	U	2	ug/l		UJ
1,2-Dichloropropane	78-87-5	EPA 624	J65272-1	02-Jul-07	07-Aug-07	SP114	0707	0	U	1	ug/l		
1,1,2-Trichloroethane	79-00-5	EPA 624	J65272-1	02-Jul-07	07-Aug-07	SP114	0707	0	U	1	ug/l		
Trichloroethene	79-01-6	EPA 624	J65272-1	02-Jul-07	07-Aug-07	SP114	0707	0	U	1	ug/l		
1,1,2,2-Tetrachloroethane	79-34-5	EPA 624	J65272-1	02-Jul-07	07-Aug-07	SP114	0707	0	U	1	ug/l		
1,2-Dichlorobenzene	95-50-1	EPA 624	J65272-1	02-Jul-07	07-Aug-07	SP114	0707	0	U	1	ug/l		

Analyte	casno	Method	Labsampid	Date Sampled	Validation Date	Sample	Location	Result	Code	RL	Units	Valid Result	Valid Code
Ethylbenzene	100-41-4	EPA 624	J65272-2	02-Jul-07	07-Aug-07	SP217	0707	0	U	1	ug/l		
cis-1,3-Dichloropropene	10061-01-5	EPA 624	J65272-2	02-Jul-07	07-Aug-07	SP217	0707	0	U	1	ug/l		
trans-1,3-Dichloropropene	10061-02-6	EPA 624	J65272-2	02-Jul-07	07-Aug-07	SP217	0707	0	U	1	ug/l		
1,4-Dichlorobenzene	106-46-7	EPA 624	J65272-2	02-Jul-07	07-Aug-07	SP217	0707	0	U	1	ug/l		
1,2-Dichloroethane	107-06-2	EPA 624	J65272-2	02-Jul-07	07-Aug-07	SP217	0707	0	U	1	ug/l		
Toluene	108-88-3	EPA 624	J65272-2	02-Jul-07	07-Aug-07	SP217	0707	0	U	1	ug/l		
Chlorobenzene	108-90-7	EPA 624	J65272-2	02-Jul-07	07-Aug-07	SP217	0707	0	U	1	ug/l		
Dibromochloromethane	124-48-1	EPA 624	J65272-2	02-Jul-07	07-Aug-07	SP217	0707	0	U	1	ug/l		
Tetrachloroethene	127-18-4	EPA 624	J65272-2	02-Jul-07	07-Aug-07	SP217	0707	0	U	1	ug/l		
Xylenes (total)	1330-20-7	EPA 624	J65272-2	02-Jul-07	07-Aug-07	SP217	0707	0	U	1	ug/l		
cis-1,2-Dichloroethene	156-59-2	EPA 624	J65272-2	02-Jul-07	07-Aug-07	SP217	0707	1.4		1	ug/l		
trans-1,2-Dichloroethene	156-60-5	EPA 624	J65272-2	02-Jul-07	07-Aug-07	SP217	0707	0	U	1	ug/l		
1,3-Dichlorobenzene	541-73-1	EPA 624	J65272-2	02-Jul-07	07-Aug-07	SP217	0707	0	U	1	ug/l		
Carbon tetrachloride	56-23-5	EPA 624	J65272-2	02-Jul-07	07-Aug-07	SP217	0707	0	U	1	ug/l		
Chloroform	67-66-3	EPA 624	J65272-2	02-Jul-07	07-Aug-07	SP217	0707	2.1		1	ug/l		
Benzene	71-43-2	EPA 624	J65272-2	02-Jul-07	07-Aug-07	SP217	0707	0	U	1	ug/l		
1,1,1-Trichloroethane	71-55-6	EPA 624	J65272-2	02-Jul-07	07-Aug-07	SP217	0707	1.2		1	ug/l		
Bromomethane	74-83-9	EPA 624	J65272-2	02-Jul-07	07-Aug-07	SP217	0707	0	U	1	ug/l		
Chloromethane	74-87-3	EPA 624	J65272-2	02-Jul-07	07-Aug-07	SP217	0707	0	U	1	ug/l		
Chloroethane	75-00-3	EPA 624	J65272-2	02-Jul-07	07-Aug-07	SP217	0707	0	U	1	ug/l		
Vinyl chloride	75-01-4	EPA 624	J65272-2	02-Jul-07	07-Aug-07	SP217	0707	0	U	2	ug/l		
Methylene chloride	75-09-2	EPA 624	J65272-2	02-Jul-07	07-Aug-07	SP217	0707	0	U	1	ug/l		
Bromoform	75-25-2	EPA 624	J65272-2	02-Jul-07	07-Aug-07	SP217	0707	0	U	1	ug/l		
Dichlorobromomethane	75-27-4	EPA 624	J65272-2	02-Jul-07	07-Aug-07	SP217	0707	0.47	J	1	ug/l		
1,1-Dichloroethane	75-34-3	EPA 624	J65272-2	02-Jul-07	07-Aug-07	SP217	0707	6.1		1	ug/l		
1,1-Dichloroethene	75-35-4	EPA 624	J65272-2	02-Jul-07	07-Aug-07	SP217	0707	0	U	1	ug/l		
Trichlorofluoromethane	75-69-4	EPA 624	J65272-2	02-Jul-07	07-Aug-07	SP217	0707	0	U	2	ug/l		
Dichlorodifluoromethane	75-71-8	EPA 624	J65272-2	02-Jul-07	07-Aug-07	SP217	0707	0	U	2	ug/l		UJ
1,2-Dichloropropane	78-87-5	EPA 624	J65272-2	02-Jul-07	07-Aug-07	SP217	0707	0	U	1	ug/l		
1,1,2-Trichloroethane	79-00-5	EPA 624	J65272-2	02-Jul-07	07-Aug-07	SP217	0707	0	U	1	ug/l		
Trichloroethene	79-01-6	EPA 624	J65272-2	02-Jul-07	07-Aug-07	SP217	0707	0	U	1	ug/l		
1,1,2,2-Tetrachloroethane	79-34-5	EPA 624	J65272-2	02-Jul-07	07-Aug-07	SP217	0707	0	U	1	ug/l		
1,2-Dichlorobenzene	95-50-1	EPA 624	J65272-2	02-Jul-07	07-Aug-07	SP217	0707	0	U	1	ug/l		

Analyte	casno	Method	Labsampid	Date Sampled	Validation Date	Sample	Location	Result	Code	RL	Units	Valid Result	Valid Code
Oil And Grease		EPA 1664A	J65272-3	02-Jul-07	07-Aug-07	SP219	0707	0	U	5.1	mg/l		
Aluminum, Dissolved	7429-90-5	EPA 200.7	J65272-3F	02-Jul-07	07-Aug-07	SP219	0707	0	U	100	ug/l		
Aluminum, Total	7429-90-5	EPA 200.7	J65272-3	02-Jul-07	07-Aug-07	SP219	0707	0	U	100	ug/l		
Iron, Total	7439-89-6	EPA 200.7	J65272-3	02-Jul-07	07-Aug-07	SP219	0707	0	U	100	ug/l		
Lead, Total	7439-92-1	EPA 200.7	J65272-3	02-Jul-07	07-Aug-07	SP219	0707	0	U	3	ug/l		
Nickel, Total	7440-02-0	EPA 200.7	J65272-3	02-Jul-07	07-Aug-07	SP219	0707	0	U	40	ug/l		
Arsenic, Total	7440-38-2	EPA 200.7	J65272-3	02-Jul-07	07-Aug-07	SP219	0707	0	U	8	ug/l		
Chromium, Total	7440-47-3	EPA 200.7	J65272-3	02-Jul-07	07-Aug-07	SP219	0707	0	U	10	ug/l		
Copper, Total	7440-50-8	EPA 200.7	J65272-3	02-Jul-07	07-Aug-07	SP219	0707	0	U	25	ug/l		
Zinc, Total	7440-66-6	EPA 200.7	J65272-3	02-Jul-07	07-Aug-07	SP219	0707	0	U	20	ug/l		
Cyanide	57-12-5	EPA 335.3/LACHAT	J65272-3	02-Jul-07	07-Aug-07	SP219	0707	0	U	0.01	mg/l		
Ethylbenzene	100-41-4	EPA 624	J65272-3	02-Jul-07	07-Aug-07	SP219	0707	0	U	1	ug/l		
cis-1,3-Dichloropropene	10061-01-5	EPA 624	J65272-3	02-Jul-07	07-Aug-07	SP219	0707	0	U	1	ug/l		
trans-1,3-Dichloropropene	10061-02-6	EPA 624	J65272-3	02-Jul-07	07-Aug-07	SP219	0707	0	U	1	ug/l		
1,4-Dichlorobenzene	106-46-7	EPA 624	J65272-3	02-Jul-07	07-Aug-07	SP219	0707	0	U	1	ug/l		
1,2-Dichloroethane	107-06-2	EPA 624	J65272-3	02-Jul-07	07-Aug-07	SP219	0707	0	U	1	ug/l		
Toluene	108-88-3	EPA 624	J65272-3	02-Jul-07	07-Aug-07	SP219	0707	0	U	1	ug/l		
Chlorobenzene	108-90-7	EPA 624	J65272-3	02-Jul-07	07-Aug-07	SP219	0707	0	U	1	ug/l		
Dibromochloromethane	124-48-1	EPA 624	J65272-3	02-Jul-07	07-Aug-07	SP219	0707	0	U	1	ug/l		
Tetrachloroethene	127-18-4	EPA 624	J65272-3	02-Jul-07	07-Aug-07	SP219	0707	0	U	1	ug/l		
Xylenes (total)	1330-20-7	EPA 624	J65272-3	02-Jul-07	07-Aug-07	SP219	0707	0	U	1	ug/l		
cis-1,2-Dichloroethene	156-59-2	EPA 624	J65272-3	02-Jul-07	07-Aug-07	SP219	0707	0	U	1	ug/l		
trans-1,2-Dichloroethene	156-60-5	EPA 624	J65272-3	02-Jul-07	07-Aug-07	SP219	0707	0	U	1	ug/l		
1,3-Dichlorobenzene	541-73-1	EPA 624	J65272-3	02-Jul-07	07-Aug-07	SP219	0707	0	U	1	ug/l		
Carbon tetrachloride	56-23-5	EPA 624	J65272-3	02-Jul-07	07-Aug-07	SP219	0707	0	U	1	ug/l		
Chloroform	67-66-3	EPA 624	J65272-3	02-Jul-07	07-Aug-07	SP219	0707	0	U	1	ug/l		
Benzene	71-43-2	EPA 624	J65272-3	02-Jul-07	07-Aug-07	SP219	0707	0	U	1	ug/l		
1,1,1-Trichloroethane	71-55-6	EPA 624	J65272-3	02-Jul-07	07-Aug-07	SP219	0707	0	U	1	ug/l		
Bromomethane	74-83-9	EPA 624	J65272-3	02-Jul-07	07-Aug-07	SP219	0707	0	U	1	ug/l		
Chloromethane	74-87-3	EPA 624	J65272-3	02-Jul-07	07-Aug-07	SP219	0707	0	U	1	ug/l		
Chloroethane	75-00-3	EPA 624	J65272-3	02-Jul-07	07-Aug-07	SP219	0707	0	U	1	ug/l		
Vinyl chloride	75-01-4	EPA 624	J65272-3	02-Jul-07	07-Aug-07	SP219	0707	0	U	2	ug/l		
Methylene chloride	75-09-2	EPA 624	J65272-3	02-Jul-07	07-Aug-07	SP219	0707	0	U	1	ug/l		
Bromoform	75-25-2	EPA 624	J65272-3	02-Jul-07	07-Aug-07	SP219	0707	0	U	1	ug/l		
Dichlorobromomethane	75-27-4	EPA 624	J65272-3	02-Jul-07	07-Aug-07	SP219	0707	0	U	1	ug/l		
1,1-Dichloroethane	75-34-3	EPA 624	J65272-3	02-Jul-07	07-Aug-07	SP219	0707	0	U	1	ug/l		
1,1-Dichloroethene	75-35-4	EPA 624	J65272-3	02-Jul-07	07-Aug-07	SP219	0707	0	U	1	ug/l		
Trichlorofluoromethane	75-69-4	EPA 624	J65272-3	02-Jul-07	07-Aug-07	SP219	0707	0	U	2	ug/l		
Dichlorodifluoromethane	75-71-8	EPA 624	J65272-3	02-Jul-07	07-Aug-07	SP219	0707	0	U	2	ug/l		UJ
1,2-Dichloropropane	78-87-5	EPA 624	J65272-3	02-Jul-07	07-Aug-07	SP219	0707	0	U	1	ug/l		
1,1,2-Trichloroethane	79-00-5	EPA 624	J65272-3	02-Jul-07	07-Aug-07	SP219	0707	0	U	1	ug/l		
Trichloroethene	79-01-6	EPA 624	J65272-3	02-Jul-07	07-Aug-07	SP219	0707	0	U	1	ug/l		
1,1,2,2-Tetrachloroethane	79-34-5	EPA 624	J65272-3	02-Jul-07	07-Aug-07	SP219	0707	0	U	1	ug/l		
1,2-Dichlorobenzene	95-50-1	EPA 624	J65272-3	02-Jul-07	07-Aug-07	SP219	0707	0	U	1	ug/l		

Analyte	casno	Method	Labsampid	Date Sampled	Validation Date	Sample	Location	Result	Code	RL	Units	Valid Result	Valid Code
Ethylbenzene	100-41-4	EPA 624	J65272-4	02-Jul-07	07-Aug-07	UNK	TRIP BLANK	0	U	1	ug/l		
cis-1,3-Dichloropropene	10061-01-5	EPA 624	J65272-4	02-Jul-07	07-Aug-07	UNK	TRIP BLANK	0	U	1	ug/l		
trans-1,3-Dichloropropene	10061-02-6	EPA 624	J65272-4	02-Jul-07	07-Aug-07	UNK	TRIP BLANK	0	U	1	ug/l		
1,4-Dichlorobenzene	106-46-7	EPA 624	J65272-4	02-Jul-07	07-Aug-07	UNK	TRIP BLANK	0	U	1	ug/l		
1,2-Dichloroethane	107-06-2	EPA 624	J65272-4	02-Jul-07	07-Aug-07	UNK	TRIP BLANK	0	U	1	ug/l		
Toluene	108-88-3	EPA 624	J65272-4	02-Jul-07	07-Aug-07	UNK	TRIP BLANK	0	U	1	ug/l		
Chlorobenzene	108-90-7	EPA 624	J65272-4	02-Jul-07	07-Aug-07	UNK	TRIP BLANK	0	U	1	ug/l		
Dibromochloromethane	124-48-1	EPA 624	J65272-4	02-Jul-07	07-Aug-07	UNK	TRIP BLANK	0	U	1	ug/l		
Tetrachloroethene	127-18-4	EPA 624	J65272-4	02-Jul-07	07-Aug-07	UNK	TRIP BLANK	0	U	1	ug/l		
Xylenes (total)	1330-20-7	EPA 624	J65272-4	02-Jul-07	07-Aug-07	UNK	TRIP BLANK	0	U	1	ug/l		
cis-1,2-Dichloroethene	156-59-2	EPA 624	J65272-4	02-Jul-07	07-Aug-07	UNK	TRIP BLANK	0	U	1	ug/l		
trans-1,2-Dichloroethene	156-60-5	EPA 624	J65272-4	02-Jul-07	07-Aug-07	UNK	TRIP BLANK	0	U	1	ug/l		
1,3-Dichlorobenzene	541-73-1	EPA 624	J65272-4	02-Jul-07	07-Aug-07	UNK	TRIP BLANK	0	U	1	ug/l		
Carbon tetrachloride	56-23-5	EPA 624	J65272-4	02-Jul-07	07-Aug-07	UNK	TRIP BLANK	0	U	1	ug/l		UJ
Chloroform	67-66-3	EPA 624	J65272-4	02-Jul-07	07-Aug-07	UNK	TRIP BLANK	0	U	1	ug/l		
Benzene	71-43-2	EPA 624	J65272-4	02-Jul-07	07-Aug-07	UNK	TRIP BLANK	0	U	1	ug/l		
1,1,1-Trichloroethane	71-55-6	EPA 624	J65272-4	02-Jul-07	07-Aug-07	UNK	TRIP BLANK	0	U	1	ug/l		
Bromomethane	74-83-9	EPA 624	J65272-4	02-Jul-07	07-Aug-07	UNK	TRIP BLANK	0	U	1	ug/l		UJ
Chloromethane	74-87-3	EPA 624	J65272-4	02-Jul-07	07-Aug-07	UNK	TRIP BLANK	0	U	1	ug/l		
Chloroethane	75-00-3	EPA 624	J65272-4	02-Jul-07	07-Aug-07	UNK	TRIP BLANK	0	U	1	ug/l		UJ
Vinyl chloride	75-01-4	EPA 624	J65272-4	02-Jul-07	07-Aug-07	UNK	TRIP BLANK	0	U	2	ug/l		
Methylene chloride	75-09-2	EPA 624	J65272-4	02-Jul-07	07-Aug-07	UNK	TRIP BLANK	0	U	1	ug/l		
Bromoform	75-25-2	EPA 624	J65272-4	02-Jul-07	07-Aug-07	UNK	TRIP BLANK	0	U	1	ug/l		
Dichlorobromomethane	75-27-4	EPA 624	J65272-4	02-Jul-07	07-Aug-07	UNK	TRIP BLANK	0	U	1	ug/l		
1,1-Dichloroethane	75-34-3	EPA 624	J65272-4	02-Jul-07	07-Aug-07	UNK	TRIP BLANK	0	U	1	ug/l		
1,1-Dichloroethene	75-35-4	EPA 624	J65272-4	02-Jul-07	07-Aug-07	UNK	TRIP BLANK	0	U	1	ug/l		
Trichlorofluoromethane	75-69-4	EPA 624	J65272-4	02-Jul-07	07-Aug-07	UNK	TRIP BLANK	0	U	2	ug/l		UJ
Dichlorodifluoromethane	75-71-8	EPA 624	J65272-4	02-Jul-07	07-Aug-07	UNK	TRIP BLANK	0	U	2	ug/l		UJ
1,2-Dichloropropane	78-87-5	EPA 624	J65272-4	02-Jul-07	07-Aug-07	UNK	TRIP BLANK	0	U	1	ug/l		
1,1,2-Trichloroethane	79-00-5	EPA 624	J65272-4	02-Jul-07	07-Aug-07	UNK	TRIP BLANK	0	U	1	ug/l		
Trichloroethene	79-01-6	EPA 624	J65272-4	02-Jul-07	07-Aug-07	UNK	TRIP BLANK	0	U	1	ug/l		
1,1,2,2-Tetrachloroethane	79-34-5	EPA 624	J65272-4	02-Jul-07	07-Aug-07	UNK	TRIP BLANK	0	U	1	ug/l		
1,2-Dichlorobenzene	95-50-1	EPA 624	J65272-4	02-Jul-07	07-Aug-07	UNK	TRIP BLANK	0	U	1	ug/l		

DATA USABILITY SUMMARY REPORT FOR AUGUST 2007 MONTHLY COMPLIANCE MONITORING

ATLANTIC RICHFIELD COMPANY FORMER SINCLAIR REFINERY SITE (OU2) WELLSVILLE, NEW YORK

Three groundwater samples and one field QC trip blank sample were collected from the Former Sinclair Refinery Site in Wellsville, New York on August 2, 2007. These samples were received by Accutest Laboratories (Accutest) within one day of collection on August 3, 2007. The groundwater samples were analyzed by Accutest for halogenated volatile organic compounds (VOCs) and the VOCs benzene, toluene, ethylbenzene, and total xylenes (BTEX) using the USEPA method 624; total metals using the USEPA method 200.7; total cyanide using the USEPA method 335.3; and oil and grease using the USEPA SW-846 method 1664A. Analytical results from these project samples were validated and reviewed by On-Site Technical Services, Inc. (On-Site) for usability in accordance to the USEPA Region II SOPs for organic and inorganic data review.

SUMMARY

The groundwater samples were collected, properly preserved, shipped under a chain-of-custody (COC) record, and received by Accutest at 3.4°C. All samples were received intact and in good condition at Accutest.

The analytical data package generated by Accutest (Accutest Job # J67991) was received by On-Site within 22 days of sample receipt at the laboratory, reviewed, and validated for custody documentation, holding times, surrogate recoveries, matrix spike/matrix spike duplicate (MS/MSD) recoveries, laboratory control sample (LCS) recoveries, laboratory method blank contamination, trip blank contamination, instrument calibrations, internal standard responses, laboratory duplicate precision, quantitation limits, sample result verification, and data completeness. The laboratory sample data were reviewed and may be qualified with the following validation flags:

"U" – not detected at the value given,
"UJ" – estimated and not detected at the value given,
"J" – estimated at the value given, and
"R" – unusable value.

The validated laboratory data were tabulated and are presented in the attached table with the "Valid Result" and "Valid Code" columns representing changes in

laboratory data resulting from data validation. Therefore, the nondetected chloroethane results for samples SP217-0807, SP219-0807, and TRIP BLANK were considered estimated and qualified "UJ" in the "Valid Code" column as a result of data validation.

VOLATILE ORGANIC ANALYSIS

The following items were reviewed for compliancy in the volatile method 624 analyses:

- Custody documentation
- Holding times
- Surrogate recoveries
- MS/MSD precision and accuracy
- LCS recoveries
- GC/MS instrument performance
- Initial and continuing calibrations
- Laboratory method blank and trip blank contamination
- Internal standard responses
- Sample result verification
- Quantitation limits
- Data completeness

These items were considered compliant and acceptable in accordance with the validation protocols with the exception of the LCS recoveries and continuing calibrations.

All LCS recoveries were compliant and within QC acceptance limits with the exception of the high LCS recoveries for dichlorodifluoromethane (214%R; QC limit 41-177%R) and chloromethane (142%R; QC limit 48-131%R) associated with all samples. Validation qualification of the project samples was not warranted since these compounds were not detected.

All continuing calibration compounds were compliant with a minimum relative response factor (RRF) of 0.05 and maximum percent difference (%D) within ±25% with the exception of chloroethane (–25.9%D) in the continuing calibration associated with all samples. Therefore, the results for this noncompliant compound were considered estimated with positive results qualified "J" and nondetected results qualified "UJ" for the affected samples.

Therefore, the volatile data presented by Accutest were 100% complete with all data considered usable and valid.

INORGANIC AND OIL AND GREASE ANALYSIS

The following items were reviewed for compliancy in the metals method 200.7; total cyanide method 335.3; and oil and grease method 1664A analyses:

- Custody documentation
- Holding times
- MS recoveries
- LCS recoveries
- Laboratory duplicate precision
- Instrument calibrations
- Interference check sample
- Laboratory method blank contamination
- ICP serial dilutions
- Sample result verification
- Quantitation limits
- Data completeness

These items were considered compliant and acceptable in accordance with the validation protocols with the exception of LCS recoveries.

All LCS recoveries were compliant and within QC acceptance limits with the exception of the high LCS recovery for cyanide (113.6%R; QC limit 90-110%R) associated with sample SP219-0807. Validation qualification was not required since cyanide was not detected in this sample.

Therefore, the inorganic data and the oil and grease data presented by Accutest were 100% complete (i.e., usable).

Analyte	casno	Method	Labsampid	Date Sampled	Validation Date	Sample	Location	Result	Code	RL	Units	Valid Result	Valid Code
Ethylbenzene	100-41-4	EPA 624	J67991-1	02-Aug-07	30-Aug-07	SP114	0807	4.3		1	ug/l		
cis-1,3-Dichloropropene	10061-01-5	EPA 624	J67991-1	02-Aug-07	30-Aug-07	SP114	0807	0	U	1	ug/l		
trans-1,3-Dichloropropene	10061-02-6	EPA 624	J67991-1	02-Aug-07	30-Aug-07	SP114	0807	0	U	1	ug/l		
1,4-Dichlorobenzene	106-46-7	EPA 624	J67991-1	02-Aug-07	30-Aug-07	SP114	0807	0	U	1	ug/l		
1,2-Dichloroethane	107-06-2	EPA 624	J67991-1	02-Aug-07	30-Aug-07	SP114	0807	0	U	1	ug/l		
Toluene	108-88-3	EPA 624	J67991-1	02-Aug-07	30-Aug-07	SP114	0807	6.4		1	ug/l		
Chlorobenzene	108-90-7	EPA 624	J67991-1	02-Aug-07	30-Aug-07	SP114	0807	0	U	1	ug/l		
Dibromochloromethane	124-48-1	EPA 624	J67991-1	02-Aug-07	30-Aug-07	SP114	0807	0	U	1	ug/l		
Tetrachloroethene	127-18-4	EPA 624	J67991-1	02-Aug-07	30-Aug-07	SP114	0807	0	U	1	ug/l		
Xylenes (total)	1330-20-7	EPA 624	J67991-1	02-Aug-07	30-Aug-07	SP114	0807	8.7		1	ug/l		
cis-1,2-Dichloroethene	156-59-2	EPA 624	J67991-1	02-Aug-07	30-Aug-07	SP114	0807	12.3		1	ug/l		
trans-1,2-Dichloroethene	156-60-5	EPA 624	J67991-1	02-Aug-07	30-Aug-07	SP114	0807	0.73	J	1	ug/l		
1,3-Dichlorobenzene	541-73-1	EPA 624	J67991-1	02-Aug-07	30-Aug-07	SP114	0807	0	U	1	ug/l		
Carbon tetrachloride	56-23-5	EPA 624	J67991-1	02-Aug-07	30-Aug-07	SP114	0807	0	U	1	ug/l		
Chloroform	67-66-3	EPA 624	J67991-1	02-Aug-07	30-Aug-07	SP114	0807	0	U	1	ug/l		
Benzene	71-43-2	EPA 624	J67991-1	02-Aug-07	30-Aug-07	SP114	0807	74.5		1	ug/l		
1,1,1-Trichloroethane	71-55-6	EPA 624	J67991-1	02-Aug-07	30-Aug-07	SP114	0807	6.9		1	ug/l		
Bromomethane	74-83-9	EPA 624	J67991-1	02-Aug-07	30-Aug-07	SP114	0807	0	U	1	ug/l		
Chloromethane	74-87-3	EPA 624	J67991-1	02-Aug-07	30-Aug-07	SP114	0807	0	U	1	ug/l		
Chloroethane	75-00-3	EPA 624	J67991-1	02-Aug-07	30-Aug-07	SP114	0807	0.92	J	1	ug/l		
Vinyl chloride	75-01-4	EPA 624	J67991-1	02-Aug-07	30-Aug-07	SP114	0807	63.1		2	ug/l		
Methylene chloride	75-09-2	EPA 624	J67991-1	02-Aug-07	30-Aug-07	SP114	0807	0	U	1	ug/l		
Bromoform	75-25-2	EPA 624	J67991-1	02-Aug-07	30-Aug-07	SP114	0807	0	U	1	ug/l		
Dichlorobromomethane	75-27-4	EPA 624	J67991-1	02-Aug-07	30-Aug-07	SP114	0807	0	U	1	ug/l		
1,1-Dichloroethane	75-34-3	EPA 624	J67991-1	02-Aug-07	30-Aug-07	SP114	0807	14.6		1	ug/l		
1,1-Dichloroethene	75-35-4	EPA 624	J67991-1	02-Aug-07	30-Aug-07	SP114	0807	0	U	1	ug/l		
Trichlorofluoromethane	75-69-4	EPA 624	J67991-1	02-Aug-07	30-Aug-07	SP114	0807	0	U	2	ug/l		
Dichlorodifluoromethane	75-71-8	EPA 624	J67991-1	02-Aug-07	30-Aug-07	SP114	0807	0	U	2	ug/l		
1,2-Dichloropropane	78-87-5	EPA 624	J67991-1	02-Aug-07	30-Aug-07	SP114	0807	0	U	1	ug/l		
1,1,2-Trichloroethane	79-00-5	EPA 624	J67991-1	02-Aug-07	30-Aug-07	SP114	0807	0	U	1	ug/l		
Trichloroethene	79-01-6	EPA 624	J67991-1	02-Aug-07	30-Aug-07	SP114	0807	0	U	1	ug/l		
1,1,2,2-Tetrachloroethane	79-34-5	EPA 624	J67991-1	02-Aug-07	30-Aug-07	SP114	0807	0	U	1	ug/l		
1,2-Dichlorobenzene	95-50-1	EPA 624	J67991-1	02-Aug-07	30-Aug-07	SP114	0807	0	U	1	ug/l		
Aluminum, Total	7429-90-5	EPA 200.7	J67991-1	02-Aug-07	30-Aug-07	SP114	0807	0	U	100	ug/l		
Iron, Total	7439-89-6	EPA 200.7	J67991-1	02-Aug-07	30-Aug-07	SP114	0807	46200		100	ug/l		
Lead, Total	7439-92-1	EPA 200.7	J67991-1	02-Aug-07	30-Aug-07	SP114	0807	3.1		3	ug/l		
Nickel, Total	7440-02-0	EPA 200.7	J67991-1	02-Aug-07	30-Aug-07	SP114	0807	0	U	40	ug/l		
Arsenic, Total	7440-38-2	EPA 200.7	J67991-1	02-Aug-07	30-Aug-07	SP114	0807	117		8	ug/l		
Chromium, Total	7440-47-3	EPA 200.7	J67991-1	02-Aug-07	30-Aug-07	SP114	0807	0	U	10	ug/l		
Copper, Total	7440-50-8	EPA 200.7	J67991-1	02-Aug-07	30-Aug-07	SP114	0807	0	U	25	ug/l		
Zinc, Total	7440-66-6	EPA 200.7	J67991-1	02-Aug-07	30-Aug-07	SP114	0807	21.1		20	ug/l		

Analyte	casno	Method	Labsampid	Date Sampled	Validation Date	Sample	Location	Result	Code	RL	Units	Valid Result	Valid Code
Ethylbenzene	100-41-4	EPA 624	J67991-2	02-Aug-07	30-Aug-07	SP217	0807	0	U	1	ug/l		
cis-1,3-Dichloropropene	10061-01-5	EPA 624	J67991-2	02-Aug-07	30-Aug-07	SP217	0807	0	U	1	ug/l		
trans-1,3-Dichloropropene	10061-02-6	EPA 624	J67991-2	02-Aug-07	30-Aug-07	SP217	0807	0	U	1	ug/l		
1,4-Dichlorobenzene	106-46-7	EPA 624	J67991-2	02-Aug-07	30-Aug-07	SP217	0807	0	U	1	ug/l		
1,2-Dichloroethane	107-06-2	EPA 624	J67991-2	02-Aug-07	30-Aug-07	SP217	0807	0	U	1	ug/l		
Toluene	108-88-3	EPA 624	J67991-2	02-Aug-07	30-Aug-07	SP217	0807	0	U	1	ug/l		
Chlorobenzene	108-90-7	EPA 624	J67991-2	02-Aug-07	30-Aug-07	SP217	0807	0	U	1	ug/l		
Dibromochloromethane	124-48-1	EPA 624	J67991-2	02-Aug-07	30-Aug-07	SP217	0807	0	U	1	ug/l		
Tetrachloroethene	127-18-4	EPA 624	J67991-2	02-Aug-07	30-Aug-07	SP217	0807	0	U	1	ug/l		
Xylenes (total)	1330-20-7	EPA 624	J67991-2	02-Aug-07	30-Aug-07	SP217	0807	0	U	1	ug/l		
cis-1,2-Dichloroethene	156-59-2	EPA 624	J67991-2	02-Aug-07	30-Aug-07	SP217	0807	1.9		1	ug/l		
trans-1,2-Dichloroethene	156-60-5	EPA 624	J67991-2	02-Aug-07	30-Aug-07	SP217	0807	0	U	1	ug/l		
1,3-Dichlorobenzene	541-73-1	EPA 624	J67991-2	02-Aug-07	30-Aug-07	SP217	0807	0	U	1	ug/l		
Carbon tetrachloride	56-23-5	EPA 624	J67991-2	02-Aug-07	30-Aug-07	SP217	0807	0	U	1	ug/l		
Chloroform	67-66-3	EPA 624	J67991-2	02-Aug-07	30-Aug-07	SP217	0807	2.5		1	ug/l		
Benzene	71-43-2	EPA 624	J67991-2	02-Aug-07	30-Aug-07	SP217	0807	0	U	1	ug/l		
1,1,1-Trichloroethane	71-55-6	EPA 624	J67991-2	02-Aug-07	30-Aug-07	SP217	0807	1.1		1	ug/l		
Bromomethane	74-83-9	EPA 624	J67991-2	02-Aug-07	30-Aug-07	SP217	0807	0	U	1	ug/l		
Chloromethane	74-87-3	EPA 624	J67991-2	02-Aug-07	30-Aug-07	SP217	0807	0	U	1	ug/l		
Chloroethane	75-00-3	EPA 624	J67991-2	02-Aug-07	30-Aug-07	SP217	0807	0	U	1	ug/l		UJ
Vinyl chloride	75-01-4	EPA 624	J67991-2	02-Aug-07	30-Aug-07	SP217	0807	0	U	2	ug/l		
Methylene chloride	75-09-2	EPA 624	J67991-2	02-Aug-07	30-Aug-07	SP217	0807	0	U	1	ug/l		
Bromoform	75-25-2	EPA 624	J67991-2	02-Aug-07	30-Aug-07	SP217	0807	0	U	1	ug/l		
Dichlorobromomethane	75-27-4	EPA 624	J67991-2	02-Aug-07	30-Aug-07	SP217	0807	0.68	J	1	ug/l		
1,1-Dichloroethane	75-34-3	EPA 624	J67991-2	02-Aug-07	30-Aug-07	SP217	0807	5.7		1	ug/l		
1,1-Dichloroethene	75-35-4	EPA 624	J67991-2	02-Aug-07	30-Aug-07	SP217	0807	0	U	1	ug/l		
Trichlorofluoromethane	75-69-4	EPA 624	J67991-2	02-Aug-07	30-Aug-07	SP217	0807	0	U	2	ug/l		
Dichlorodifluoromethane	75-71-8	EPA 624	J67991-2	02-Aug-07	30-Aug-07	SP217	0807	0	U	2	ug/l		
1,2-Dichloropropane	78-87-5	EPA 624	J67991-2	02-Aug-07	30-Aug-07	SP217	0807	0	U	1	ug/l		
1,1,2-Trichloroethane	79-00-5	EPA 624	J67991-2	02-Aug-07	30-Aug-07	SP217	0807	0	U	1	ug/l		
Trichloroethene	79-01-6	EPA 624	J67991-2	02-Aug-07	30-Aug-07	SP217	0807	0	U	1	ug/l		
1,1,2,2-Tetrachloroethane	79-34-5	EPA 624	J67991-2	02-Aug-07	30-Aug-07	SP217	0807	0	U	1	ug/l		
1,2-Dichlorobenzene	95-50-1	EPA 624	J67991-2	02-Aug-07	30-Aug-07	SP217	0807	0	U	1	ug/l		

Analyte	casno	Method	Labsampid	Date Sampled	Validation Date	Sample	Location	Result	Code	RL	Units	Valid Result	Valid Code
Ethylbenzene	100-41-4	EPA 624	J67991-3	02-Aug-07	30-Aug-07	SP219	0807	0	U	1	ug/l		
cis-1,3-Dichloropropene	10061-01-5	EPA 624	J67991-3	02-Aug-07	30-Aug-07	SP219	0807	0	U	1	ug/l		
trans-1,3-Dichloropropene	10061-02-6	EPA 624	J67991-3	02-Aug-07	30-Aug-07	SP219	0807	0	U	1	ug/l		
1,4-Dichlorobenzene	106-46-7	EPA 624	J67991-3	02-Aug-07	30-Aug-07	SP219	0807	0	U	1	ug/l		
1,2-Dichloroethane	107-06-2	EPA 624	J67991-3	02-Aug-07	30-Aug-07	SP219	0807	0	U	1	ug/l		
Toluene	108-88-3	EPA 624	J67991-3	02-Aug-07	30-Aug-07	SP219	0807	0	U	1	ug/l		
Chlorobenzene	108-90-7	EPA 624	J67991-3	02-Aug-07	30-Aug-07	SP219	0807	0	U	1	ug/l		
Dibromochloromethane	124-48-1	EPA 624	J67991-3	02-Aug-07	30-Aug-07	SP219	0807	0	U	1	ug/l		
Tetrachloroethene	127-18-4	EPA 624	J67991-3	02-Aug-07	30-Aug-07	SP219	0807	0	U	1	ug/l		
Xylenes (total)	1330-20-7	EPA 624	J67991-3	02-Aug-07	30-Aug-07	SP219	0807	0	U	1	ug/l		
cis-1,2-Dichloroethene	156-59-2	EPA 624	J67991-3	02-Aug-07	30-Aug-07	SP219	0807	0	U	1	ug/l		
trans-1,2-Dichloroethene	156-60-5	EPA 624	J67991-3	02-Aug-07	30-Aug-07	SP219	0807	0	U	1	ug/l		
1,3-Dichlorobenzene	541-73-1	EPA 624	J67991-3	02-Aug-07	30-Aug-07	SP219	0807	0	U	1	ug/l		
Carbon tetrachloride	56-23-5	EPA 624	J67991-3	02-Aug-07	30-Aug-07	SP219	0807	0	U	1	ug/l		
Chloroform	67-66-3	EPA 624	J67991-3	02-Aug-07	30-Aug-07	SP219	0807	0	U	1	ug/l		
Benzene	71-43-2	EPA 624	J67991-3	02-Aug-07	30-Aug-07	SP219	0807	0	U	1	ug/l		
1,1,1-Trichloroethane	71-55-6	EPA 624	J67991-3	02-Aug-07	30-Aug-07	SP219	0807	0	U	1	ug/l		
Bromomethane	74-83-9	EPA 624	J67991-3	02-Aug-07	30-Aug-07	SP219	0807	0	U	1	ug/l		
Chloromethane	74-87-3	EPA 624	J67991-3	02-Aug-07	30-Aug-07	SP219	0807	0	U	1	ug/l		
Chloroethane	75-00-3	EPA 624	J67991-3	02-Aug-07	30-Aug-07	SP219	0807	0	U	1	ug/l		UJ
Vinyl chloride	75-01-4	EPA 624	J67991-3	02-Aug-07	30-Aug-07	SP219	0807	0	U	2	ug/l		
Methylene chloride	75-09-2	EPA 624	J67991-3	02-Aug-07	30-Aug-07	SP219	0807	0	U	1	ug/l		
Bromoform	75-25-2	EPA 624	J67991-3	02-Aug-07	30-Aug-07	SP219	0807	0	U	1	ug/l		
Dichlorobromomethane	75-27-4	EPA 624	J67991-3	02-Aug-07	30-Aug-07	SP219	0807	0	U	1	ug/l		
1,1-Dichloroethane	75-34-3	EPA 624	J67991-3	02-Aug-07	30-Aug-07	SP219	0807	0	U	1	ug/l		
1,1-Dichloroethene	75-35-4	EPA 624	J67991-3	02-Aug-07	30-Aug-07	SP219	0807	0	U	1	ug/l		
Trichlorofluoromethane	75-69-4	EPA 624	J67991-3	02-Aug-07	30-Aug-07	SP219	0807	0	U	2	ug/l		
Dichlorodifluoromethane	75-71-8	EPA 624	J67991-3	02-Aug-07	30-Aug-07	SP219	0807	0	U	2	ug/l		
1,2-Dichloropropane	78-87-5	EPA 624	J67991-3	02-Aug-07	30-Aug-07	SP219	0807	0	U	1	ug/l		
1,1,2-Trichloroethane	79-00-5	EPA 624	J67991-3	02-Aug-07	30-Aug-07	SP219	0807	0	U	1	ug/l		
Trichloroethene	79-01-6	EPA 624	J67991-3	02-Aug-07	30-Aug-07	SP219	0807	0	U	1	ug/l		
1,1,2,2-Tetrachloroethane	79-34-5	EPA 624	J67991-3	02-Aug-07	30-Aug-07	SP219	0807	0	U	1	ug/l		
1,2-Dichlorobenzene	95-50-1	EPA 624	J67991-3	02-Aug-07	30-Aug-07	SP219	0807	0	U	1	ug/l		
Cyanide	57-12-5	EPA 335.3/LACHAT	J67991-3	02-Aug-07	30-Aug-07	SP219	0807	0	U	0.01	mg/l		
Oil And Grease		EPA 1664A	J67991-3	02-Aug-07	30-Aug-07	SP219	0807	0	U	5.1	mg/l		
Aluminum, Total	7429-90-5	EPA 200.7	J67991-3	02-Aug-07	30-Aug-07	SP219	0807	0	U	100	ug/l		
Iron, Total	7439-89-6	EPA 200.7	J67991-3	02-Aug-07	30-Aug-07	SP219	0807	0	U	100	ug/l		
Lead, Total	7439-92-1	EPA 200.7	J67991-3	02-Aug-07	30-Aug-07	SP219	0807	0	U	3	ug/l		
Nickel, Total	7440-02-0	EPA 200.7	J67991-3	02-Aug-07	30-Aug-07	SP219	0807	0	U	40	ug/l		
Arsenic, Total	7440-38-2	EPA 200.7	J67991-3	02-Aug-07	30-Aug-07	SP219	0807	0	U	8	ug/l		
Chromium, Total	7440-47-3	EPA 200.7	J67991-3	02-Aug-07	30-Aug-07	SP219	0807	0	U	10	ug/l		
Copper, Total	7440-50-8	EPA 200.7	J67991-3	02-Aug-07	30-Aug-07	SP219	0807	0	U	25	ug/l		
Zinc, Total	7440-66-6	EPA 200.7	J67991-3	02-Aug-07	30-Aug-07	SP219	0807	0	U	20	ug/l		

Analyte	casno	Method	Labsampid	Date Sampled	Validation Date	Sample	Location	Result	Code	RL	Units	Valid Result	Valid Code
Ethylbenzene	100-41-4	EPA 624	J67991-4	02-Aug-07	30-Aug-07	UNK	TRIP BLANK	0	U	1	ug/l		
cis-1,3-Dichloropropene	10061-01-5	EPA 624	J67991-4	02-Aug-07	30-Aug-07	UNK	TRIP BLANK	0	U	1	ug/l		
trans-1,3-Dichloropropene	10061-02-6	EPA 624	J67991-4	02-Aug-07	30-Aug-07	UNK	TRIP BLANK	0	U	1	ug/l		
1,4-Dichlorobenzene	106-46-7	EPA 624	J67991-4	02-Aug-07	30-Aug-07	UNK	TRIP BLANK	0	U	1	ug/l		
1,2-Dichloroethane	107-06-2	EPA 624	J67991-4	02-Aug-07	30-Aug-07	UNK	TRIP BLANK	0	U	1	ug/l		
Toluene	108-88-3	EPA 624	J67991-4	02-Aug-07	30-Aug-07	UNK	TRIP BLANK	0	U	1	ug/l		
Chlorobenzene	108-90-7	EPA 624	J67991-4	02-Aug-07	30-Aug-07	UNK	TRIP BLANK	0	U	1	ug/l		
Dibromochloromethane	124-48-1	EPA 624	J67991-4	02-Aug-07	30-Aug-07	UNK	TRIP BLANK	0	U	1	ug/l		
Tetrachloroethene	127-18-4	EPA 624	J67991-4	02-Aug-07	30-Aug-07	UNK	TRIP BLANK	0	U	1	ug/l		
Xylenes (total)	1330-20-7	EPA 624	J67991-4	02-Aug-07	30-Aug-07	UNK	TRIP BLANK	0	U	1	ug/l		
cis-1,2-Dichloroethene	156-59-2	EPA 624	J67991-4	02-Aug-07	30-Aug-07	UNK	TRIP BLANK	0	U	1	ug/l		
trans-1,2-Dichloroethene	156-60-5	EPA 624	J67991-4	02-Aug-07	30-Aug-07	UNK	TRIP BLANK	0	U	1	ug/l		
1,3-Dichlorobenzene	541-73-1	EPA 624	J67991-4	02-Aug-07	30-Aug-07	UNK	TRIP BLANK	0	U	1	ug/l		
Carbon tetrachloride	56-23-5	EPA 624	J67991-4	02-Aug-07	30-Aug-07	UNK	TRIP BLANK	0	U	1	ug/l		
Chloroform	67-66-3	EPA 624	J67991-4	02-Aug-07	30-Aug-07	UNK	TRIP BLANK	0	U	1	ug/l		
Benzene	71-43-2	EPA 624	J67991-4	02-Aug-07	30-Aug-07	UNK	TRIP BLANK	0	U	1	ug/l		
1,1,1-Trichloroethane	71-55-6	EPA 624	J67991-4	02-Aug-07	30-Aug-07	UNK	TRIP BLANK	0	U	1	ug/l		
Bromomethane	74-83-9	EPA 624	J67991-4	02-Aug-07	30-Aug-07	UNK	TRIP BLANK	0	U	1	ug/l		
Chloromethane	74-87-3	EPA 624	J67991-4	02-Aug-07	30-Aug-07	UNK	TRIP BLANK	0	U	1	ug/l		
Chloroethane	75-00-3	EPA 624	J67991-4	02-Aug-07	30-Aug-07	UNK	TRIP BLANK	0	U	1	ug/l		UJ
Vinyl chloride	75-01-4	EPA 624	J67991-4	02-Aug-07	30-Aug-07	UNK	TRIP BLANK	0	U	2	ug/l		
Methylene chloride	75-09-2	EPA 624	J67991-4	02-Aug-07	30-Aug-07	UNK	TRIP BLANK	0	U	1	ug/l		
Bromoform	75-25-2	EPA 624	J67991-4	02-Aug-07	30-Aug-07	UNK	TRIP BLANK	0	U	1	ug/l		
Dichlorobromomethane	75-27-4	EPA 624	J67991-4	02-Aug-07	30-Aug-07	UNK	TRIP BLANK	0	U	1	ug/l		
1,1-Dichloroethane	75-34-3	EPA 624	J67991-4	02-Aug-07	30-Aug-07	UNK	TRIP BLANK	0	U	1	ug/l		
1,1-Dichloroethene	75-35-4	EPA 624	J67991-4	02-Aug-07	30-Aug-07	UNK	TRIP BLANK	0	U	1	ug/l		
Trichlorofluoromethane	75-69-4	EPA 624	J67991-4	02-Aug-07	30-Aug-07	UNK	TRIP BLANK	0	U	2	ug/l		
Dichlorodifluoromethane	75-71-8	EPA 624	J67991-4	02-Aug-07	30-Aug-07	UNK	TRIP BLANK	0	U	2	ug/l		
1,2-Dichloropropane	78-87-5	EPA 624	J67991-4	02-Aug-07	30-Aug-07	UNK	TRIP BLANK	0	U	1	ug/l		
1,1,2-Trichloroethane	79-00-5	EPA 624	J67991-4	02-Aug-07	30-Aug-07	UNK	TRIP BLANK	0	U	1	ug/l		
Trichloroethene	79-01-6	EPA 624	J67991-4	02-Aug-07	30-Aug-07	UNK	TRIP BLANK	0	U	1	ug/l		
1,1,2,2-Tetrachloroethane	79-34-5	EPA 624	J67991-4	02-Aug-07	30-Aug-07	UNK	TRIP BLANK	0	U	1	ug/l		
1,2-Dichlorobenzene	95-50-1	EPA 624	J67991-4	02-Aug-07	30-Aug-07	UNK	TRIP BLANK	0	U	1	ug/l		
Aluminum, Dissolved	7429-90-5	EPA 200.7	J67991-1F	02-Aug-07	30-Aug-07	SP114	0807	0	U	100	ug/l		
Aluminum, Dissolved	7429-90-5	EPA 200.7	J67991-3F	02-Aug-07	30-Aug-07	SP219	0807	0	U	100	ug/l		

DATA USABILITY SUMMARY REPORT FOR SEPTEMBER 2007 MONTHLY COMPLIANCE MONITORING

ATLANTIC RICHFIELD COMPANY FORMER SINCLAIR REFINERY SITE (OU2) WELLSVILLE, NEW YORK

Three groundwater samples and one field QC trip blank sample were collected from the Former Sinclair Refinery Site in Wellsville, New York on September 4, 2007. These samples were received by Accutest Laboratories (Accutest) within one day of collection on September 5, 2007. The groundwater samples were analyzed by Accutest for halogenated volatile organic compounds (VOCs) and the VOCs benzene, toluene, ethylbenzene, and total xylenes (BTEX) using the USEPA method 624; total metals using the USEPA method 200.7; total cyanide using the USEPA method 335.3; and oil and grease using the USEPA SW-846 method 1664A. Analytical results from these project samples were validated and reviewed by On-Site Technical Services, Inc. (On-Site) for usability in accordance to the USEPA Region II SOPs for organic and inorganic data review.

SUMMARY

The groundwater samples were collected, properly preserved, shipped under a chain-of-custody (COC) record, and received by Accutest at 3.2°C. All samples were received intact and in good condition at Accutest.

The analytical data package generated by Accutest (Accutest Job # J70582) was received by On-Site within 28 days of sample receipt at the laboratory, reviewed, and validated for custody documentation, holding times, surrogate recoveries, matrix spike/matrix spike duplicate (MS/MSD) recoveries, laboratory control sample (LCS) recoveries, laboratory method blank contamination, trip blank contamination, instrument calibrations, internal standard responses, laboratory duplicate precision, quantitation limits, sample result verification, and data completeness. The laboratory sample data were reviewed and may be qualified with the following validation flags:

"U" – not detected at the value given,
"UJ" – estimated and not detected at the value given,
"J" – estimated at the value given, and
"R" – unusable value.

The validated laboratory data were tabulated and are presented in the attached table with the "Valid Result" and "Valid Code" columns representing changes in laboratory data resulting from data validation. However, the laboratory data did not require qualification resulting from data validation for these samples. Therefore, there were no changes to the laboratory data presented in the attached table.

VOLATILE ORGANIC ANALYSIS

The following items were reviewed for compliancy in the volatile method 624 analyses:

- Custody documentation
- Holding times
- Surrogate recoveries
- MS/MSD precision and accuracy
- LCS recoveries
- GC/MS instrument performance
- Initial and continuing calibrations
- Laboratory method blank and trip blank contamination
- Internal standard responses
- Sample result verification
- Quantitation limits
- Data completeness

These items were considered compliant and acceptable in accordance with the validation protocols. Therefore, the volatile data presented by Accutest were 100% complete with all data considered usable and valid.

INORGANIC AND OIL AND GREASE ANALYSIS

The following items were reviewed for compliancy in the metals method 200.7; total cyanide method 335.3; and oil and grease method 1664A analyses:

- Custody documentation
- Holding times
- MS recoveries
- LCS recoveries
- Laboratory duplicate precision
- Instrument calibrations
- Interference check sample
- Laboratory method blank contamination
- ICP serial dilutions
- Sample result verification
- Quantitation limits
- Data completeness

These items were considered compliant and acceptable in accordance with the validation protocols. Therefore, the inorganic data and the oil and grease data presented by Accutest were 100% complete (i.e., usable).

Validated September 2007 OU-2 Monthly Compliance Monitoring Data

Analyte	casno	Method	Labsampid	Date Sampled	Validation Date	Sample	Location	Result	Code	RL	Units	Valid Result	Valid Code
Ethylbenzene	100-41-4	EPA 624	J70582-1	04-Sep-07	07-Oct-07	SP114	0907	4.8		1	ug/l		
cis-1,3-Dichloropropene	10061-01-5	EPA 624	J70582-1	04-Sep-07	07-Oct-07	SP114	0907	0	U	1	ug/l		
trans-1,3-Dichloropropene	10061-02-6	EPA 624	J70582-1	04-Sep-07	07-Oct-07	SP114	0907	0	U	1	ug/l		
1,4-Dichlorobenzene	106-46-7	EPA 624	J70582-1	04-Sep-07	07-Oct-07	SP114	0907	0	U	1	ug/l		
1,2-Dichloroethane	107-06-2	EPA 624	J70582-1	04-Sep-07	07-Oct-07	SP114	0907	0	U	1	ug/l		
Toluene	108-88-3	EPA 624	J70582-1	04-Sep-07	07-Oct-07	SP114	0907	7.4		1	ug/l		
Chlorobenzene	108-90-7	EPA 624	J70582-1	04-Sep-07	07-Oct-07	SP114	0907	0	U	1	ug/l		
Dibromochloromethane	124-48-1	EPA 624	J70582-1	04-Sep-07	07-Oct-07	SP114	0907	0	U	1	ug/l		
Tetrachloroethene	127-18-4	EPA 624	J70582-1	04-Sep-07	07-Oct-07	SP114	0907	0	U	1	ug/l		
Xylenes (total)	1330-20-7	EPA 624	J70582-1	04-Sep-07	07-Oct-07	SP114	0907	8.9		1	ug/l		
cis-1,2-Dichloroethene	156-59-2	EPA 624	J70582-1	04-Sep-07	07-Oct-07	SP114	0907	8.5		1	ug/l		
trans-1,2-Dichloroethene	156-60-5	EPA 624	J70582-1	04-Sep-07	07-Oct-07	SP114	0907	1.1		1	ug/l		
1,3-Dichlorobenzene	541-73-1	EPA 624	J70582-1	04-Sep-07	07-Oct-07	SP114	0907	0	U	1	ug/l		
Carbon tetrachloride	56-23-5	EPA 624	J70582-1	04-Sep-07	07-Oct-07	SP114	0907	0	U	1	ug/l		
Chloroform	67-66-3	EPA 624	J70582-1	04-Sep-07	07-Oct-07	SP114	0907	0	U	1	ug/l		
Benzene	71-43-2	EPA 624	J70582-1	04-Sep-07	07-Oct-07	SP114	0907	86.7		1	ug/l		
1,1,1-Trichloroethane	71-55-6	EPA 624	J70582-1	04-Sep-07	07-Oct-07	SP114	0907	8.6		1	ug/l		
Methyl bromide	74-83-9	EPA 624	J70582-1	04-Sep-07	07-Oct-07	SP114	0907	0	U	1	ug/l		
Chloromethane	74-87-3	EPA 624	J70582-1	04-Sep-07	07-Oct-07	SP114	0907	0	U	1	ug/l		
Chloroethane	75-00-3	EPA 624	J70582-1	04-Sep-07	07-Oct-07	SP114	0907	1.8		1	ug/l		
Vinyl chloride	75-01-4	EPA 624	J70582-1	04-Sep-07	07-Oct-07	SP114	0907	72.6		2	ug/l		
Methylene chloride	75-09-2	EPA 624	J70582-1	04-Sep-07	07-Oct-07	SP114	0907	0	U	1	ug/l		
Bromoform	75-25-2	EPA 624	J70582-1	04-Sep-07	07-Oct-07	SP114	0907	0	U	1	ug/l		
Bromodichloromethane	75-27-4	EPA 624	J70582-1	04-Sep-07	07-Oct-07	SP114	0907	0	U	1	ug/l		
1,1-Dichloroethane	75-34-3	EPA 624	J70582-1	04-Sep-07	07-Oct-07	SP114	0907	20.1		1	ug/l		
1,1-Dichloroethene	75-35-4	EPA 624	J70582-1	04-Sep-07	07-Oct-07	SP114	0907	0	U	1	ug/l		
Trichlorofluoromethane	75-69-4	EPA 624	J70582-1	04-Sep-07	07-Oct-07	SP114	0907	0	U	2	ug/l		
Dichlorodifluoromethane	75-71-8	EPA 624	J70582-1	04-Sep-07	07-Oct-07	SP114	0907	0	U	2	ug/l		
1,2-Dichloropropane	78-87-5	EPA 624	J70582-1	04-Sep-07	07-Oct-07	SP114	0907	0	U	1	ug/l		
1,1,2-Trichloroethane	79-00-5	EPA 624	J70582-1	04-Sep-07	07-Oct-07	SP114	0907	0	U	1	ug/l		
Trichloroethene	79-01-6	EPA 624	J70582-1	04-Sep-07	07-Oct-07	SP114	0907	0	U	1	ug/l		
1,1,2,2-Tetrachloroethane	79-34-5	EPA 624	J70582-1	04-Sep-07	07-Oct-07	SP114	0907	0	U	1	ug/l		
1,2-Dichlorobenzene	95-50-1	EPA 624	J70582-1	04-Sep-07	07-Oct-07	SP114	0907	0	U	1	ug/l		
Arsenic, Total	7440-38-2	EPA 200.7	J70582-1	04-Sep-07	07-Oct-07	SP114	0907	134		8	ug/l		
Copper, Total	7440-50-8	EPA 200.7	J70582-1	04-Sep-07	07-Oct-07	SP114	0907	0	U	25	ug/l		
Aluminum, Total	7429-90-5	EPA 200.7	J70582-1	04-Sep-07	07-Oct-07	SP114	0907	0	U	100	ug/l		
Iron, Total	7439-89-6	EPA 200.7	J70582-1	04-Sep-07	07-Oct-07	SP114	0907	43400		100	ug/l		
Lead, Total	7439-92-1	EPA 200.7	J70582-1	04-Sep-07	07-Oct-07	SP114	0907	0	U	3	ug/l		
Nickel, Total	7440-02-0	EPA 200.7	J70582-1	04-Sep-07	07-Oct-07	SP114	0907	0	U	40	ug/l		
Chromium, Total	7440-47-3	EPA 200.7	J70582-1	04-Sep-07	07-Oct-07	SP114	0907	0	U	10	ug/l		
Zinc, Total	7440-66-6	EPA 200.7	J70582-1	04-Sep-07	07-Oct-07	SP114	0907	0	U	20	ug/l		

Validated September 2007 OU-2 Monthly Compliance Monitoring Data

Analyte	casno	Method	Labsampid	Date Sampled	Validation Date	Sample	Location	Result	Code	RL	Units	Valid Result	Valid Code
Ethylbenzene	100-41-4	EPA 624	J70582-2	04-Sep-07	07-Oct-07	SP217	0907	0	U	1	ug/l		
cis-1,3-Dichloropropene	10061-01-5	EPA 624	J70582-2	04-Sep-07	07-Oct-07	SP217	0907	0	U	1	ug/l		
trans-1,3-Dichloropropene	10061-02-6	EPA 624	J70582-2	04-Sep-07	07-Oct-07	SP217	0907	0	U	1	ug/l		
1,4-Dichlorobenzene	106-46-7	EPA 624	J70582-2	04-Sep-07	07-Oct-07	SP217	0907	0	U	1	ug/l		
1,2-Dichloroethane	107-06-2	EPA 624	J70582-2	04-Sep-07	07-Oct-07	SP217	0907	0	U	1	ug/l		
Toluene	108-88-3	EPA 624	J70582-2	04-Sep-07	07-Oct-07	SP217	0907	0	U	1	ug/l		
Chlorobenzene	108-90-7	EPA 624	J70582-2	04-Sep-07	07-Oct-07	SP217	0907	0	U	1	ug/l		
Dibromochloromethane	124-48-1	EPA 624	J70582-2	04-Sep-07	07-Oct-07	SP217	0907	0	U	1	ug/l		
Tetrachloroethene	127-18-4	EPA 624	J70582-2	04-Sep-07	07-Oct-07	SP217	0907	0	U	1	ug/l		
Xylenes (total)	1330-20-7	EPA 624	J70582-2	04-Sep-07	07-Oct-07	SP217	0907	0	U	1	ug/l		
cis-1,2-Dichloroethene	156-59-2	EPA 624	J70582-2	04-Sep-07	07-Oct-07	SP217	0907	1.6		1	ug/l		
trans-1,2-Dichloroethene	156-60-5	EPA 624	J70582-2	04-Sep-07	07-Oct-07	SP217	0907	0	U	1	ug/l		
1,3-Dichlorobenzene	541-73-1	EPA 624	J70582-2	04-Sep-07	07-Oct-07	SP217	0907	0	U	1	ug/l		
Carbon tetrachloride	56-23-5	EPA 624	J70582-2	04-Sep-07	07-Oct-07	SP217	0907	0	U	1	ug/l		
Chloroform	67-66-3	EPA 624	J70582-2	04-Sep-07	07-Oct-07	SP217	0907	2.3		1	ug/l		
Benzene	71-43-2	EPA 624	J70582-2	04-Sep-07	07-Oct-07	SP217	0907	0	U	1	ug/l		
1,1,1-Trichloroethane	71-55-6	EPA 624	J70582-2	04-Sep-07	07-Oct-07	SP217	0907	1.3		1	ug/l		
Methyl bromide	74-83-9	EPA 624	J70582-2	04-Sep-07	07-Oct-07	SP217	0907	0	U	1	ug/l		
Chloromethane	74-87-3	EPA 624	J70582-2	04-Sep-07	07-Oct-07	SP217	0907	0	U	1	ug/l		
Chloroethane	75-00-3	EPA 624	J70582-2	04-Sep-07	07-Oct-07	SP217	0907	0	U	1	ug/l		
Vinyl chloride	75-01-4	EPA 624	J70582-2	04-Sep-07	07-Oct-07	SP217	0907	0	U	2	ug/l		
Methylene chloride	75-09-2	EPA 624	J70582-2	04-Sep-07	07-Oct-07	SP217	0907	0	U	1	ug/l		
Bromoform	75-25-2	EPA 624	J70582-2	04-Sep-07	07-Oct-07	SP217	0907	0	U	1	ug/l		
Bromodichloromethane	75-27-4	EPA 624	J70582-2	04-Sep-07	07-Oct-07	SP217	0907	0.67	J	1	ug/l		
1,1-Dichloroethane	75-34-3	EPA 624	J70582-2	04-Sep-07	07-Oct-07	SP217	0907	5.2		1	ug/l		
1,1-Dichloroethene	75-35-4	EPA 624	J70582-2	04-Sep-07	07-Oct-07	SP217	0907	0	U	1	ug/l		
Trichlorofluoromethane	75-69-4	EPA 624	J70582-2	04-Sep-07	07-Oct-07	SP217	0907	0	U	2	ug/l		
Dichlorodifluoromethane	75-71-8	EPA 624	J70582-2	04-Sep-07	07-Oct-07	SP217	0907	0	U	2	ug/l		
1,2-Dichloropropane	78-87-5	EPA 624	J70582-2	04-Sep-07	07-Oct-07	SP217	0907	0	U	1	ug/l		
1,1,2-Trichloroethane	79-00-5	EPA 624	J70582-2	04-Sep-07	07-Oct-07	SP217	0907	0	U	1	ug/l		
Trichloroethene	79-01-6	EPA 624	J70582-2	04-Sep-07	07-Oct-07	SP217	0907	0	U	1	ug/l		
1,1,2,2-Tetrachloroethane	79-34-5	EPA 624	J70582-2	04-Sep-07	07-Oct-07	SP217	0907	0	U	1	ug/l		
1,2-Dichlorobenzene	95-50-1	EPA 624	J70582-2	04-Sep-07	07-Oct-07	SP217	0907	0	U	1	ug/l		

Validated September 2007 OU-2 Monthly Compliance Monitoring Data

Analyte	casno	Method	Labsampid	Date Sampled	Validation Date	Sample	Location	Result	Code	RL	Units	Valid Result	Valid Code
Cyanide	57-12-5	EPA 335.4/LACHAT	J70582-3	04-Sep-07	07-Oct-07	SP219	0907	0	U	0.01	mg/l		
Ethylbenzene	100-41-4	EPA 624	J70582-3	04-Sep-07	07-Oct-07	SP219	0907	0	U	1	ug/l		
cis-1,3-Dichloropropene	10061-01-5	EPA 624	J70582-3	04-Sep-07	07-Oct-07	SP219	0907	0	U	1	ug/l		
trans-1,3-Dichloropropene	10061-02-6	EPA 624	J70582-3	04-Sep-07	07-Oct-07	SP219	0907	0	U	1	ug/l		
1,4-Dichlorobenzene	106-46-7	EPA 624	J70582-3	04-Sep-07	07-Oct-07	SP219	0907	0	U	1	ug/l		
1,2-Dichloroethane	107-06-2	EPA 624	J70582-3	04-Sep-07	07-Oct-07	SP219	0907	0	U	1	ug/l		
Toluene	108-88-3	EPA 624	J70582-3	04-Sep-07	07-Oct-07	SP219	0907	0	U	1	ug/l		
Chlorobenzene	108-90-7	EPA 624	J70582-3	04-Sep-07	07-Oct-07	SP219	0907	0	U	1	ug/l		
Dibromochloromethane	124-48-1	EPA 624	J70582-3	04-Sep-07	07-Oct-07	SP219	0907	0	U	1	ug/l		
Tetrachloroethene	127-18-4	EPA 624	J70582-3	04-Sep-07	07-Oct-07	SP219	0907	0	U	1	ug/l		
Xylenes (total)	1330-20-7	EPA 624	J70582-3	04-Sep-07	07-Oct-07	SP219	0907	0	U	1	ug/l		
cis-1,2-Dichloroethene	156-59-2	EPA 624	J70582-3	04-Sep-07	07-Oct-07	SP219	0907	0	U	1	ug/l		
trans-1,2-Dichloroethene	156-60-5	EPA 624	J70582-3	04-Sep-07	07-Oct-07	SP219	0907	0	U	1	ug/l		
1,3-Dichlorobenzene	541-73-1	EPA 624	J70582-3	04-Sep-07	07-Oct-07	SP219	0907	0	U	1	ug/l		
Carbon tetrachloride	56-23-5	EPA 624	J70582-3	04-Sep-07	07-Oct-07	SP219	0907	0	U	1	ug/l		
Chloroform	67-66-3	EPA 624	J70582-3	04-Sep-07	07-Oct-07	SP219	0907	0	U	1	ug/l		
Benzene	71-43-2	EPA 624	J70582-3	04-Sep-07	07-Oct-07	SP219	0907	0	U	1	ug/l		
1,1,1-Trichloroethane	71-55-6	EPA 624	J70582-3	04-Sep-07	07-Oct-07	SP219	0907	0	U	1	ug/l		
Methyl bromide	74-83-9	EPA 624	J70582-3	04-Sep-07	07-Oct-07	SP219	0907	0	U	1	ug/l		
Chloromethane	74-87-3	EPA 624	J70582-3	04-Sep-07	07-Oct-07	SP219	0907	0	U	1	ug/l		
Chloroethane	75-00-3	EPA 624	J70582-3	04-Sep-07	07-Oct-07	SP219	0907	0	U	1	ug/l		
Vinyl chloride	75-01-4	EPA 624	J70582-3	04-Sep-07	07-Oct-07	SP219	0907	0	U	2	ug/l		
Methylene chloride	75-09-2	EPA 624	J70582-3	04-Sep-07	07-Oct-07	SP219	0907	0	U	1	ug/l		
Bromoform	75-25-2	EPA 624	J70582-3	04-Sep-07	07-Oct-07	SP219	0907	0	U	1	ug/l		
Bromodichloromethane	75-27-4	EPA 624	J70582-3	04-Sep-07	07-Oct-07	SP219	0907	0	U	1	ug/l		
1,1-Dichloroethane	75-34-3	EPA 624	J70582-3	04-Sep-07	07-Oct-07	SP219	0907	0	U	1	ug/l		
1,1-Dichloroethene	75-35-4	EPA 624	J70582-3	04-Sep-07	07-Oct-07	SP219	0907	0	U	1	ug/l		
Trichlorofluoromethane	75-69-4	EPA 624	J70582-3	04-Sep-07	07-Oct-07	SP219	0907	0	U	2	ug/l		
Dichlorodifluoromethane	75-71-8	EPA 624	J70582-3	04-Sep-07	07-Oct-07	SP219	0907	0	U	2	ug/l		
1,2-Dichloropropane	78-87-5	EPA 624	J70582-3	04-Sep-07	07-Oct-07	SP219	0907	0	U	1	ug/l		
1,1,2-Trichloroethane	79-00-5	EPA 624	J70582-3	04-Sep-07	07-Oct-07	SP219	0907	0	U	1	ug/l		
Trichloroethene	79-01-6	EPA 624	J70582-3	04-Sep-07	07-Oct-07	SP219	0907	0	U	1	ug/l		
1,1,2,2-Tetrachloroethane	79-34-5	EPA 624	J70582-3	04-Sep-07	07-Oct-07	SP219	0907	0	U	1	ug/l		
1,2-Dichlorobenzene	95-50-1	EPA 624	J70582-3	04-Sep-07	07-Oct-07	SP219	0907	0	U	1	ug/l		
Oil And Grease		EPA 1664A	J70582-3	04-Sep-07	07-Oct-07	SP219	0907	0	U	5.1	mg/l		
Arsenic, Total	7440-38-2	EPA 200.7	J70582-3	04-Sep-07	07-Oct-07	SP219	0907	0	U	8	ug/l		
Copper, Total	7440-50-8	EPA 200.7	J70582-3	04-Sep-07	07-Oct-07	SP219	0907	0	U	25	ug/l		
Aluminum, Total	7429-90-5	EPA 200.7	J70582-3	04-Sep-07	07-Oct-07	SP219	0907	0	U	100	ug/l		
Iron, Total	7439-89-6	EPA 200.7	J70582-3	04-Sep-07	07-Oct-07	SP219	0907	0	U	100	ug/l		
Lead, Total	7439-92-1	EPA 200.7	J70582-3	04-Sep-07	07-Oct-07	SP219	0907	0	U	3	ug/l		
Nickel, Total	7440-02-0	EPA 200.7	J70582-3	04-Sep-07	07-Oct-07	SP219	0907	0	U	40	ug/l		
Chromium, Total	7440-47-3	EPA 200.7	J70582-3	04-Sep-07	07-Oct-07	SP219	0907	0	U	10	ug/l		
Zinc, Total	7440-66-6	EPA 200.7	J70582-3	04-Sep-07	07-Oct-07	SP219	0907	0	U	20	ug/l		

Validated September 2007 OU-2 Monthly Compliance Monitoring Data

Analyte	casno	Method	Labsampid	Date Sampled	Validation Date	Sample	Location	Result	Code	RL	Units	Valid Result	Valid Code
Ethylbenzene	100-41-4	EPA 624	J70582-4	04-Sep-07	07-Oct-07	UNK	TRIP BLANK	0	U	1	ug/l		
cis-1,3-Dichloropropene	10061-01-5	EPA 624	J70582-4	04-Sep-07	07-Oct-07	UNK	TRIP BLANK	0	U	1	ug/l		
trans-1,3-Dichloropropene	10061-02-6	EPA 624	J70582-4	04-Sep-07	07-Oct-07	UNK	TRIP BLANK	0	U	1	ug/l		
1,4-Dichlorobenzene	106-46-7	EPA 624	J70582-4	04-Sep-07	07-Oct-07	UNK	TRIP BLANK	0	U	1	ug/l		
1,2-Dichloroethane	107-06-2	EPA 624	J70582-4	04-Sep-07	07-Oct-07	UNK	TRIP BLANK	0	U	1	ug/l		
Toluene	108-88-3	EPA 624	J70582-4	04-Sep-07	07-Oct-07	UNK	TRIP BLANK	0	U	1	ug/l		
Chlorobenzene	108-90-7	EPA 624	J70582-4	04-Sep-07	07-Oct-07	UNK	TRIP BLANK	0	U	1	ug/l		
Dibromochloromethane	124-48-1	EPA 624	J70582-4	04-Sep-07	07-Oct-07	UNK	TRIP BLANK	0	U	1	ug/l		
Tetrachloroethene	127-18-4	EPA 624	J70582-4	04-Sep-07	07-Oct-07	UNK	TRIP BLANK	0	U	1	ug/l		
Dichlorodifluoromethane	75-71-8	EPA 624	J70582-4	04-Sep-07	07-Oct-07	UNK	TRIP BLANK	0	U	2	ug/l		
1,2-Dichloropropane	78-87-5	EPA 624	J70582-4	04-Sep-07	07-Oct-07	UNK	TRIP BLANK	0	U	1	ug/l		
1,1,2-Trichloroethane	79-00-5	EPA 624	J70582-4	04-Sep-07	07-Oct-07	UNK	TRIP BLANK	0	U	1	ug/l		
Trichloroethene	79-01-6	EPA 624	J70582-4	04-Sep-07	07-Oct-07	UNK	TRIP BLANK	0	U	1	ug/l		
1,1,2,2-Tetrachloroethane	79-34-5	EPA 624	J70582-4	04-Sep-07	07-Oct-07	UNK	TRIP BLANK	0	U	1	ug/l		
1,2-Dichlorobenzene	95-50-1	EPA 624	J70582-4	04-Sep-07	07-Oct-07	UNK	TRIP BLANK	0	U	1	ug/l		
Aluminum, Dissolved	7429-90-5	EPA 200.7	J70582-1F	04-Sep-07	07-Oct-07	SP114	0907	0	U	100	ug/l		
Aluminum, Dissolved	7429-90-5	EPA 200.7	J70582-3F	04-Sep-07	07-Oct-07	SP219	0907	0	U	100	ug/l		

DATA USABILITY SUMMARY REPORT FOR OCTOBER 2007 MONTHLY COMPLIANCE MONITORING

ATLANTIC RICHFIELD COMPANY FORMER SINCLAIR REFINERY SITE (OU2) WELLSVILLE, NEW YORK

Three groundwater samples, one field QC trip blank sample, and one water main sample were collected from the Former Sinclair Refinery Site in Wellsville, New York on October 1, 2007 and November 1, 2007. These samples were received by Accutest Laboratories (Accutest) within one day of collection on October 2, 2007 and November 2, 2007. The groundwater samples were analyzed by Accutest for halogenated volatile organic compounds (VOCs) and the VOCs benzene, toluene, ethylbenzene, and total xylenes (BTEX) using the USEPA method 624; total metals using the USEPA method 200.7; total cyanide using the USEPA method 335.4; and oil and grease using the USEPA SW-846 method 1664A. The water main sample was analyzed by Accutest for halogenated VOCs and BTEX using the USEPA method 624. Analytical results from these project samples were validated and reviewed by On-Site Technical Services, Inc. (On-Site) for usability in accordance to the USEPA Region II SOPs for organic and inorganic data review.

SUMMARY

The project samples were collected, properly preserved, shipped under a chain-of-custody (COC) record, and received by Accutest at 2.4-3.8°C. All samples were received intact and in good condition at Accutest.

The analytical data packages generated by Accutest (Accutest Job #s J72928 and J75622) were received by On-Site within 14-29 days of sample receipt at the laboratory, reviewed, and validated for custody documentation, holding times, surrogate recoveries, matrix spike/matrix spike duplicate (MS/MSD) recoveries, laboratory control sample (LCS) recoveries, laboratory method blank contamination, trip blank contamination, instrument calibrations, internal standard responses, laboratory duplicate precision, quantitation limits, sample result verification, and data completeness. The laboratory sample data were reviewed and may be qualified with the following validation flags:

"U" – not detected at the value given,
"UJ" – estimated and not detected at the value given,
"J" – estimated at the value given, and
"R" – unusable value.

The validated laboratory data were tabulated and are presented in the attached tables with the "Valid Result" and "Valid Code" columns representing changes in laboratory data resulting from data validation. Therefore, the results for chloromethane, trichlorofluoromethane, 1,1,1-trichloroethane, and carbon tetrachloride for the samples in sample delivery group (SDG) #J72928 were considered estimated and qualified "J" or "UJ" in the "valid code" column as a result of data validation.

VOLATILE ORGANIC ANALYSIS

The following items were reviewed for compliancy in the volatile method 624 analyses:

- Custody documentation
- Holding times
- Surrogate recoveries
- MS/MSD precision and accuracy
- LCS recoveries
- GC/MS instrument performance
- Initial and continuing calibrations
- Laboratory method blank and trip blank contamination
- Internal standard responses
- Sample result verification
- Quantitation limits
- Data completeness

These items were considered compliant and acceptable in accordance with the validation protocols with the exception of continuing calibrations.

All continuing calibration compounds were compliant with a minimum relative response factor (RRF) of 0.05 and a maximum percent difference (%D) within ±25% with the exception of chloromethane (26.9%D), trichlorofluoromethane (-43.9%D), 1,1,1-trichloroethane (-34.7%D), and carbon tetrachloride (-45.5%D) in the continuing calibration associated with all samples in SDG #J72928. Therefore, the results for these compounds were considered estimated with positive results qualified "J" and nondetected results qualified "UJ" for the affected samples.

Therefore, the volatile data presented by Accutest were 100% complete with all data considered usable and valid.

INORGANIC AND OIL AND GREASE ANALYSIS

The following items were reviewed for compliancy in the metals method 200.7; total cyanide method 335.4; and oil and grease method 1664A analyses:

- Custody documentation
- Holding times
- MS recoveries

- LCS recoveries
- Laboratory duplicate precision
- Instrument calibrations
- Interference check sample
- Laboratory method blank contamination
- ICP serial dilutions
- Sample result verification
- Quantitation limits
- Data completeness

These items were considered compliant and acceptable in accordance with the validation protocols. Therefore, the inorganic data and the oil and grease data presented by Accutest were 100% complete (i.e., usable).

Validated Laboratory Data For October 2007 OU-2 Monthly Compliance Monitoring

Analyte	casno	Method	Labsampid	Date Sampled	Validation Date	Sample	Location	Result	Code	RL	Units	Valid Result	Valid Code
Ethylbenzene	100-41-4	EPA 624	J72928-1	01-Oct-07	17-Nov-07	SP114	1007	2.2		1	ug/l		
cis-1,3-Dichloropropene	10061-01-5	EPA 624	J72928-1	01-Oct-07	17-Nov-07	SP114	1007	0	U	1	ug/l		
trans-1,3-Dichloropropene	10061-02-6	EPA 624	J72928-1	01-Oct-07	17-Nov-07	SP114	1007	0	U	1	ug/l		
1,4-Dichlorobenzene	106-46-7	EPA 624	J72928-1	01-Oct-07	17-Nov-07	SP114	1007	0	U	1	ug/l		
1,2-Dichloroethane	107-06-2	EPA 624	J72928-1	01-Oct-07	17-Nov-07	SP114	1007	0	U	1	ug/l		
Toluene	108-88-3	EPA 624	J72928-1	01-Oct-07	17-Nov-07	SP114	1007	3.7		1	ug/l		
Chlorobenzene	108-90-7	EPA 624	J72928-1	01-Oct-07	17-Nov-07	SP114	1007	0	U	1	ug/l		
Dibromochloromethane	124-48-1	EPA 624	J72928-1	01-Oct-07	17-Nov-07	SP114	1007	0	U	1	ug/l		
Tetrachloroethene	127-18-4	EPA 624	J72928-1	01-Oct-07	17-Nov-07	SP114	1007	0	U	1	ug/l		
Xylenes (total)	1330-20-7	EPA 624	J72928-1	01-Oct-07	17-Nov-07	SP114	1007	5		1	ug/l		
cis-1,2-Dichloroethene	156-59-2	EPA 624	J72928-1	01-Oct-07	17-Nov-07	SP114	1007	1.1		1	ug/l		
trans-1,2-Dichloroethene	156-60-5	EPA 624	J72928-1	01-Oct-07	17-Nov-07	SP114	1007	0	U	1	ug/l		
1,3-Dichlorobenzene	541-73-1	EPA 624	J72928-1	01-Oct-07	17-Nov-07	SP114	1007	0	U	1	ug/l		
Carbon tetrachloride	56-23-5	EPA 624	J72928-1	01-Oct-07	17-Nov-07	SP114	1007	0	U	1	ug/l		UJ
Chloroform	67-66-3	EPA 624	J72928-1	01-Oct-07	17-Nov-07	SP114	1007	0.41	J	1	ug/l		
Benzene	71-43-2	EPA 624	J72928-1	01-Oct-07	17-Nov-07	SP114	1007	59.4		1	ug/l		
1,1,1-Trichloroethane	71-55-6	EPA 624	J72928-1	01-Oct-07	17-Nov-07	SP114	1007	3		1	ug/l		J
Methyl bromide	74-83-9	EPA 624	J72928-1	01-Oct-07	17-Nov-07	SP114	1007	0	U	1	ug/l		
Chloromethane	74-87-3	EPA 624	J72928-1	01-Oct-07	17-Nov-07	SP114	1007	0	U	1	ug/l		UJ
Chloroethane	75-00-3	EPA 624	J72928-1	01-Oct-07	17-Nov-07	SP114	1007	0	U	1	ug/l		
Vinyl chloride	75-01-4	EPA 624	J72928-1	01-Oct-07	17-Nov-07	SP114	1007	10.2		2	ug/l		
Methylene chloride	75-09-2	EPA 624	J72928-1	01-Oct-07	17-Nov-07	SP114	1007	0	U	1	ug/l		
Bromoform	75-25-2	EPA 624	J72928-1	01-Oct-07	17-Nov-07	SP114	1007	0	U	1	ug/l		
Bromodichloromethane	75-27-4	EPA 624	J72928-1	01-Oct-07	17-Nov-07	SP114	1007	0	U	1	ug/l		
1,1-Dichloroethane	75-34-3	EPA 624	J72928-1	01-Oct-07	17-Nov-07	SP114	1007	10.4		1	ug/l		
1,1-Dichloroethene	75-35-4	EPA 624	J72928-1	01-Oct-07	17-Nov-07	SP114	1007	0	U	1	ug/l		
Trichlorofluoromethane	75-69-4	EPA 624	J72928-1	01-Oct-07	17-Nov-07	SP114	1007	0	U	2	ug/l		UJ
Dichlorodifluoromethane	75-71-8	EPA 624	J72928-1	01-Oct-07	17-Nov-07	SP114	1007	0	U	2	ug/l		
1,2-Dichloropropane	78-87-5	EPA 624	J72928-1	01-Oct-07	17-Nov-07	SP114	1007	0	U	1	ug/l		
1,1,2-Trichloroethane	79-00-5	EPA 624	J72928-1	01-Oct-07	17-Nov-07	SP114	1007	0	U	1	ug/l		
Trichloroethene	79-01-6	EPA 624	J72928-1	01-Oct-07	17-Nov-07	SP114	1007	0	U	1	ug/l		
1,1,2,2-Tetrachloroethane	79-34-5	EPA 624	J72928-1	01-Oct-07	17-Nov-07	SP114	1007	0	U	1	ug/l		
1,2-Dichlorobenzene	95-50-1	EPA 624	J72928-1	01-Oct-07	17-Nov-07	SP114	1007	0	U	1	ug/l		
Aluminum, Total	7429-90-5	EPA 200.7	J72928-1	01-Oct-07	17-Nov-07	SP114	1007	0	U	100	ug/l		
Iron, Total	7439-89-6	EPA 200.7	J72928-1	01-Oct-07	17-Nov-07	SP114	1007	45900		100	ug/l		
Lead, Total	7439-92-1	EPA 200.7	J72928-1	01-Oct-07	17-Nov-07	SP114	1007	0	U	3	ug/l		
Nickel, Total	7440-02-0	EPA 200.7	J72928-1	01-Oct-07	17-Nov-07	SP114	1007	0	U	40	ug/l		
Arsenic, Total	7440-38-2	EPA 200.7	J72928-1	01-Oct-07	17-Nov-07	SP114	1007	132		8	ug/l		
Chromium, Total	7440-47-3	EPA 200.7	J72928-1	01-Oct-07	17-Nov-07	SP114	1007	0	U	10	ug/l		
Copper, Total	7440-50-8	EPA 200.7	J72928-1	01-Oct-07	17-Nov-07	SP114	1007	0	U	25	ug/l		
Zinc, Total	7440-66-6	EPA 200.7	J72928-1	01-Oct-07	17-Nov-07	SP114	1007	0	U	20	ug/l		

Validated Laboratory Data For October 2007 OU-2 Monthly Compliance Monitoring

Analyte	casno	Method	Labsampid	Date Sampled	Validation Date	Sample	Location	Result	Code	RL	Units	Valid Result	Valid Code
Ethylbenzene	100-41-4	EPA 624	J72928-2	01-Oct-07	17-Nov-07	SP217	1007	0	U	1	ug/l		
cis-1,3-Dichloropropene	10061-01-5	EPA 624	J72928-2	01-Oct-07	17-Nov-07	SP217	1007	0	U	1	ug/l		
trans-1,3-Dichloropropene	10061-02-6	EPA 624	J72928-2	01-Oct-07	17-Nov-07	SP217	1007	0	U	1	ug/l		
1,4-Dichlorobenzene	106-46-7	EPA 624	J72928-2	01-Oct-07	17-Nov-07	SP217	1007	0	U	1	ug/l		
1,2-Dichloroethane	107-06-2	EPA 624	J72928-2	01-Oct-07	17-Nov-07	SP217	1007	0	U	1	ug/l		
Toluene	108-88-3	EPA 624	J72928-2	01-Oct-07	17-Nov-07	SP217	1007	0	U	1	ug/l		
Chlorobenzene	108-90-7	EPA 624	J72928-2	01-Oct-07	17-Nov-07	SP217	1007	0	U	1	ug/l		
Dibromochloromethane	124-48-1	EPA 624	J72928-2	01-Oct-07	17-Nov-07	SP217	1007	0	U	1	ug/l		
Tetrachloroethene	127-18-4	EPA 624	J72928-2	01-Oct-07	17-Nov-07	SP217	1007	0	U	1	ug/l		
Xylenes (total)	1330-20-7	EPA 624	J72928-2	01-Oct-07	17-Nov-07	SP217	1007	0	U	1	ug/l		
cis-1,2-Dichloroethene	156-59-2	EPA 624	J72928-2	01-Oct-07	17-Nov-07	SP217	1007	0.78	J	1	ug/l		
trans-1,2-Dichloroethene	156-60-5	EPA 624	J72928-2	01-Oct-07	17-Nov-07	SP217	1007	0	U	1	ug/l		
1,3-Dichlorobenzene	541-73-1	EPA 624	J72928-2	01-Oct-07	17-Nov-07	SP217	1007	0	U	1	ug/l		
Carbon tetrachloride	56-23-5	EPA 624	J72928-2	01-Oct-07	17-Nov-07	SP217	1007	0	U	1	ug/l		UJ
Chloroform	67-66-3	EPA 624	J72928-2	01-Oct-07	17-Nov-07	SP217	1007	2		1	ug/l		
Benzene	71-43-2	EPA 624	J72928-2	01-Oct-07	17-Nov-07	SP217	1007	0	U	1	ug/l		
1,1,1-Trichloroethane	71-55-6	EPA 624	J72928-2	01-Oct-07	17-Nov-07	SP217	1007	1.1		1	ug/l		J
Methyl bromide	74-83-9	EPA 624	J72928-2	01-Oct-07	17-Nov-07	SP217	1007	0	U	1	ug/l		
Chloromethane	74-87-3	EPA 624	J72928-2	01-Oct-07	17-Nov-07	SP217	1007	0	U	1	ug/l		UJ
Chloroethane	75-00-3	EPA 624	J72928-2	01-Oct-07	17-Nov-07	SP217	1007	0	U	1	ug/l		
Vinyl chloride	75-01-4	EPA 624	J72928-2	01-Oct-07	17-Nov-07	SP217	1007	0	U	2	ug/l		
Methylene chloride	75-09-2	EPA 624	J72928-2	01-Oct-07	17-Nov-07	SP217	1007	0	U	1	ug/l		
Bromoform	75-25-2	EPA 624	J72928-2	01-Oct-07	17-Nov-07	SP217	1007	0	U	1	ug/l		
Bromodichloromethane	75-27-4	EPA 624	J72928-2	01-Oct-07	17-Nov-07	SP217	1007	0.74	J	1	ug/l		
1,1-Dichloroethane	75-34-3	EPA 624	J72928-2	01-Oct-07	17-Nov-07	SP217	1007	4		1	ug/l		
1,1-Dichloroethene	75-35-4	EPA 624	J72928-2	01-Oct-07	17-Nov-07	SP217	1007	0	U	1	ug/l		
Trichlorofluoromethane	75-69-4	EPA 624	J72928-2	01-Oct-07	17-Nov-07	SP217	1007	0	U	2	ug/l		UJ
Dichlorodifluoromethane	75-71-8	EPA 624	J72928-2	01-Oct-07	17-Nov-07	SP217	1007	0	U	2	ug/l		
1,2-Dichloropropane	78-87-5	EPA 624	J72928-2	01-Oct-07	17-Nov-07	SP217	1007	0	U	1	ug/l		
1,1,2-Trichloroethane	79-00-5	EPA 624	J72928-2	01-Oct-07	17-Nov-07	SP217	1007	0	U	1	ug/l		
Trichloroethene	79-01-6	EPA 624	J72928-2	01-Oct-07	17-Nov-07	SP217	1007	0	U	1	ug/l		
1,1,2,2-Tetrachloroethane	79-34-5	EPA 624	J72928-2	01-Oct-07	17-Nov-07	SP217	1007	0	U	1	ug/l		
1,2-Dichlorobenzene	95-50-1	EPA 624	J72928-2	01-Oct-07	17-Nov-07	SP217	1007	0	U	1	ug/l		

Validated Laboratory Data For October 2007 OU-2 Monthly Compliance Monitoring

Analyte	casno	Method	Labsampid	Date Sampled	Validation Date	Sample	Location	Result	Code	RL	Units	Valid Result	Valid Code
Ethylbenzene	100-41-4	EPA 624	J72928-3	01-Oct-07	17-Nov-07	SP219	1007	0	U	1	ug/l		
cis-1,3-Dichloropropene	10061-01-5	EPA 624	J72928-3	01-Oct-07	17-Nov-07	SP219	1007	0	U	1	ug/l		
trans-1,3-Dichloropropene	10061-02-6	EPA 624	J72928-3	01-Oct-07	17-Nov-07	SP219	1007	0	U	1	ug/l		
1,4-Dichlorobenzene	106-46-7	EPA 624	J72928-3	01-Oct-07	17-Nov-07	SP219	1007	0	U	1	ug/l		
1,2-Dichloroethane	107-06-2	EPA 624	J72928-3	01-Oct-07	17-Nov-07	SP219	1007	0	U	1	ug/l		
Toluene	108-88-3	EPA 624	J72928-3	01-Oct-07	17-Nov-07	SP219	1007	0	U	1	ug/l		
Chlorobenzene	108-90-7	EPA 624	J72928-3	01-Oct-07	17-Nov-07	SP219	1007	0	U	1	ug/l		
Dibromochloromethane	124-48-1	EPA 624	J72928-3	01-Oct-07	17-Nov-07	SP219	1007	0	U	1	ug/l		
Tetrachloroethene	127-18-4	EPA 624	J72928-3	01-Oct-07	17-Nov-07	SP219	1007	0	U	1	ug/l		
Xylenes (total)	1330-20-7	EPA 624	J72928-3	01-Oct-07	17-Nov-07	SP219	1007	0	U	1	ug/l		
cis-1,2-Dichloroethene	156-59-2	EPA 624	J72928-3	01-Oct-07	17-Nov-07	SP219	1007	0	U	1	ug/l		
trans-1,2-Dichloroethene	156-60-5	EPA 624	J72928-3	01-Oct-07	17-Nov-07	SP219	1007	0	U	1	ug/l		
1,3-Dichlorobenzene	541-73-1	EPA 624	J72928-3	01-Oct-07	17-Nov-07	SP219	1007	0	U	1	ug/l		
Carbon tetrachloride	56-23-5	EPA 624	J72928-3	01-Oct-07	17-Nov-07	SP219	1007	0	U	1	ug/l		UJ
Chloroform	67-66-3	EPA 624	J72928-3	01-Oct-07	17-Nov-07	SP219	1007	0	U	1	ug/l		
Benzene	71-43-2	EPA 624	J72928-3	01-Oct-07	17-Nov-07	SP219	1007	0	U	1	ug/l		
1,1,1-Trichloroethane	71-55-6	EPA 624	J72928-3	01-Oct-07	17-Nov-07	SP219	1007	0	U	1	ug/l		UJ
Methyl bromide	74-83-9	EPA 624	J72928-3	01-Oct-07	17-Nov-07	SP219	1007	0	U	1	ug/l		
Chloromethane	74-87-3	EPA 624	J72928-3	01-Oct-07	17-Nov-07	SP219	1007	0	U	1	ug/l		UJ
Chloroethane	75-00-3	EPA 624	J72928-3	01-Oct-07	17-Nov-07	SP219	1007	0	U	1	ug/l		
Vinyl chloride	75-01-4	EPA 624	J72928-3	01-Oct-07	17-Nov-07	SP219	1007	0	U	2	ug/l		
Methylene chloride	75-09-2	EPA 624	J72928-3	01-Oct-07	17-Nov-07	SP219	1007	0	U	1	ug/l		
Bromoform	75-25-2	EPA 624	J72928-3	01-Oct-07	17-Nov-07	SP219	1007	0	U	1	ug/l		
Bromodichloromethane	75-27-4	EPA 624	J72928-3	01-Oct-07	17-Nov-07	SP219	1007	0	U	1	ug/l		
1,1-Dichloroethane	75-34-3	EPA 624	J72928-3	01-Oct-07	17-Nov-07	SP219	1007	0	U	1	ug/l		
1,1-Dichloroethene	75-35-4	EPA 624	J72928-3	01-Oct-07	17-Nov-07	SP219	1007	0	U	1	ug/l		
Trichlorofluoromethane	75-69-4	EPA 624	J72928-3	01-Oct-07	17-Nov-07	SP219	1007	0	U	2	ug/l		UJ
Dichlorodifluoromethane	75-71-8	EPA 624	J72928-3	01-Oct-07	17-Nov-07	SP219	1007	0	U	2	ug/l		
1,2-Dichloropropane	78-87-5	EPA 624	J72928-3	01-Oct-07	17-Nov-07	SP219	1007	0	U	1	ug/l		
1,1,2-Trichloroethane	79-00-5	EPA 624	J72928-3	01-Oct-07	17-Nov-07	SP219	1007	0	U	1	ug/l		
Trichloroethene	79-01-6	EPA 624	J72928-3	01-Oct-07	17-Nov-07	SP219	1007	0	U	1	ug/l		
1,1,2,2-Tetrachloroethane	79-34-5	EPA 624	J72928-3	01-Oct-07	17-Nov-07	SP219	1007	0	U	1	ug/l		
1,2-Dichlorobenzene	95-50-1	EPA 624	J72928-3	01-Oct-07	17-Nov-07	SP219	1007	0	U	1	ug/l		
Oil And Grease		EPA 1664A	J72928-3	01-Oct-07	17-Nov-07	SP219	1007	0	U	5.1	mg/l		
Aluminum, Total	7429-90-5	EPA 200.7	J72928-3	01-Oct-07	17-Nov-07	SP219	1007	0	U	100	ug/l		
Iron, Total	7439-89-6	EPA 200.7	J72928-3	01-Oct-07	17-Nov-07	SP219	1007	0	U	100	ug/l		
Lead, Total	7439-92-1	EPA 200.7	J72928-3	01-Oct-07	17-Nov-07	SP219	1007	0	U	3	ug/l		
Nickel, Total	7440-02-0	EPA 200.7	J72928-3	01-Oct-07	17-Nov-07	SP219	1007	0	U	40	ug/l		
Arsenic, Total	7440-38-2	EPA 200.7	J72928-3	01-Oct-07	17-Nov-07	SP219	1007	0	U	8	ug/l		
Chromium, Total	7440-47-3	EPA 200.7	J72928-3	01-Oct-07	17-Nov-07	SP219	1007	0	U	10	ug/l		
Copper, Total	7440-50-8	EPA 200.7	J72928-3	01-Oct-07	17-Nov-07	SP219	1007	0	U	25	ug/l		
Zinc, Total	7440-66-6	EPA 200.7	J72928-3	01-Oct-07	17-Nov-07	SP219	1007	0	U	20	ug/l		
Cyanide	57-12-5	EPA 335.4/LACHAT	J72928-3	01-Oct-07	17-Nov-07	SP219	1007	0	U	0.01	mg/l		

Validated Laboratory Data For October 2007 OU-2 Monthly Compliance Monitoring

Analyte	casno	Method	Labsampid	Date Sampled	Validation Date	Sample	Location	Result	Code	RL	Units	Valid Result	Valid Code
Ethylbenzene	100-41-4	EPA 624	J72928-4	01-Oct-07	17-Nov-07	UNK	TRIP BLANK	0	U	1	ug/l		
cis-1,3-Dichloropropene	10061-01-5	EPA 624	J72928-4	01-Oct-07	17-Nov-07	UNK	TRIP BLANK	0	U	1	ug/l		
trans-1,3-Dichloropropene	10061-02-6	EPA 624	J72928-4	01-Oct-07	17-Nov-07	UNK	TRIP BLANK	0	U	1	ug/l		
1,4-Dichlorobenzene	106-46-7	EPA 624	J72928-4	01-Oct-07	17-Nov-07	UNK	TRIP BLANK	0	U	1	ug/l		
1,2-Dichloroethane	107-06-2	EPA 624	J72928-4	01-Oct-07	17-Nov-07	UNK	TRIP BLANK	0	U	1	ug/l		
Toluene	108-88-3	EPA 624	J72928-4	01-Oct-07	17-Nov-07	UNK	TRIP BLANK	0	U	1	ug/l		
Chlorobenzene	108-90-7	EPA 624	J72928-4	01-Oct-07	17-Nov-07	UNK	TRIP BLANK	0	U	1	ug/l		
Dibromochloromethane	124-48-1	EPA 624	J72928-4	01-Oct-07	17-Nov-07	UNK	TRIP BLANK	0	U	1	ug/l		
Tetrachloroethene	127-18-4	EPA 624	J72928-4	01-Oct-07	17-Nov-07	UNK	TRIP BLANK	0	U	1	ug/l		
Xylenes (total)	1330-20-7	EPA 624	J72928-4	01-Oct-07	17-Nov-07	UNK	TRIP BLANK	0	U	1	ug/l		
cis-1,2-Dichloroethene	156-59-2	EPA 624	J72928-4	01-Oct-07	17-Nov-07	UNK	TRIP BLANK	0	U	1	ug/l		
trans-1,2-Dichloroethene	156-60-5	EPA 624	J72928-4	01-Oct-07	17-Nov-07	UNK	TRIP BLANK	0	U	1	ug/l		
1,3-Dichlorobenzene	541-73-1	EPA 624	J72928-4	01-Oct-07	17-Nov-07	UNK	TRIP BLANK	0	U	1	ug/l		
Carbon tetrachloride	56-23-5	EPA 624	J72928-4	01-Oct-07	17-Nov-07	UNK	TRIP BLANK	0	U	1	ug/l		UJ
Chloroform	67-66-3	EPA 624	J72928-4	01-Oct-07	17-Nov-07	UNK	TRIP BLANK	0	U	1	ug/l		
Benzene	71-43-2	EPA 624	J72928-4	01-Oct-07	17-Nov-07	UNK	TRIP BLANK	0	U	1	ug/l		
1,1,1-Trichloroethane	71-55-6	EPA 624	J72928-4	01-Oct-07	17-Nov-07	UNK	TRIP BLANK	0	U	1	ug/l		UJ
Methyl bromide	74-83-9	EPA 624	J72928-4	01-Oct-07	17-Nov-07	UNK	TRIP BLANK	0	U	1	ug/l		
Chloromethane	74-87-3	EPA 624	J72928-4	01-Oct-07	17-Nov-07	UNK	TRIP BLANK	0	U	1	ug/l		UJ
Chloroethane	75-00-3	EPA 624	J72928-4	01-Oct-07	17-Nov-07	UNK	TRIP BLANK	0	U	1	ug/l		
Vinyl chloride	75-01-4	EPA 624	J72928-4	01-Oct-07	17-Nov-07	UNK	TRIP BLANK	0	U	2	ug/l		
Methylene chloride	75-09-2	EPA 624	J72928-4	01-Oct-07	17-Nov-07	UNK	TRIP BLANK	0	U	1	ug/l		
Bromoform	75-25-2	EPA 624	J72928-4	01-Oct-07	17-Nov-07	UNK	TRIP BLANK	0	U	1	ug/l		
Bromodichloromethane	75-27-4	EPA 624	J72928-4	01-Oct-07	17-Nov-07	UNK	TRIP BLANK	0	U	1	ug/l		
1,1-Dichloroethane	75-34-3	EPA 624	J72928-4	01-Oct-07	17-Nov-07	UNK	TRIP BLANK	0	U	1	ug/l		
1,1-Dichloroethene	75-35-4	EPA 624	J72928-4	01-Oct-07	17-Nov-07	UNK	TRIP BLANK	0	U	1	ug/l		
Trichlorofluoromethane	75-69-4	EPA 624	J72928-4	01-Oct-07	17-Nov-07	UNK	TRIP BLANK	0	U	2	ug/l		UJ
Dichlorodifluoromethane	75-71-8	EPA 624	J72928-4	01-Oct-07	17-Nov-07	UNK	TRIP BLANK	0	U	2	ug/l		
1,2-Dichloropropane	78-87-5	EPA 624	J72928-4	01-Oct-07	17-Nov-07	UNK	TRIP BLANK	0	U	1	ug/l		
1,1,2-Trichloroethane	79-00-5	EPA 624	J72928-4	01-Oct-07	17-Nov-07	UNK	TRIP BLANK	0	U	1	ug/l		
Trichloroethene	79-01-6	EPA 624	J72928-4	01-Oct-07	17-Nov-07	UNK	TRIP BLANK	0	U	1	ug/l		
1,1,2,2-Tetrachloroethane	79-34-5	EPA 624	J72928-4	01-Oct-07	17-Nov-07	UNK	TRIP BLANK	0	U	1	ug/l		
1,2-Dichlorobenzene	95-50-1	EPA 624	J72928-4	01-Oct-07	17-Nov-07	UNK	TRIP BLANK	0	U	1	ug/l		
Aluminum, Dissolved	7429-90-5	EPA 200.7	J72928-1F	01-Oct-07	17-Nov-07	SP114	1007	0	U	100	ug/l		
Aluminum, Dissolved	7429-90-5	EPA 200.7	J72928-3F	01-Oct-07	17-Nov-07	SP219	1007	0	U	100	ug/l		

DATA USABILITY SUMMARY REPORT FOR NOVEMBER 2007 MONTHLY COMPLIANCE MONITORING

ATLANTIC RICHFIELD COMPANY FORMER SINCLAIR REFINERY SITE (OU2) WELLSVILLE, NEW YORK

Three groundwater samples and one field QC trip blank sample were collected from the Former Sinclair Refinery Site in Wellsville, New York on November 1, 2007. These samples were received by Accutest Laboratories (Accutest) within one day of collection on November 2, 2007. The groundwater samples were analyzed by Accutest for halogenated volatile organic compounds (VOCs) and the VOCs benzene, toluene, ethylbenzene, and total xylenes (BTEX) using the USEPA method 624; total metals using the USEPA method 200.7; total cyanide using the USEPA method 335.3; and oil and grease using the USEPA SW-846 method 1664A. Analytical results from these project samples were validated and reviewed by On-Site Technical Services, Inc. (On-Site) for usability in accordance to the USEPA Region II SOPs for organic and inorganic data review.

SUMMARY

The groundwater samples were collected, properly preserved, shipped under a chain-of-custody (COC) record, and received by Accutest at 3.4°C. All samples were received intact and in good condition at Accutest.

The analytical data package generated by Accutest (Accutest Job # J75581) was received by On-Site within 28 days of sample receipt at the laboratory, reviewed, and validated for custody documentation, holding times, surrogate recoveries, matrix spike/matrix spike duplicate (MS/MSD) recoveries, laboratory control sample (LCS) recoveries, laboratory method blank contamination, trip blank contamination, instrument calibrations, internal standard responses, laboratory duplicate precision, quantitation limits, sample result verification, and data completeness. The laboratory sample data were reviewed and may be qualified with the following validation flags:

"U" – not detected at the value given,
"UJ" – estimated and not detected at the value given,
"J" – estimated at the value given, and
"R" – unusable value.

The validated laboratory data were tabulated and are presented in the attached table with the "Valid Result" and "Valid Code" columns representing changes in laboratory data resulting from data validation. However, the laboratory data did not require qualification resulting from data validation for these samples. Therefore, there were no changes to the laboratory data presented in the attached table.

VOLATILE ORGANIC ANALYSIS

The following items were reviewed for compliancy in the volatile method 624 analyses:

- Custody documentation
- Holding times
- Surrogate recoveries
- MS/MSD precision and accuracy
- LCS recoveries
- GC/MS instrument performance
- Initial and continuing calibrations
- Laboratory method blank and trip blank contamination
- Internal standard responses
- Sample result verification
- Quantitation limits
- Data completeness

These items were considered compliant and acceptable in accordance with the validation protocols. Therefore, the volatile data presented by Accutest were 100% complete with all data considered usable and valid.

INORGANIC AND OIL AND GREASE ANALYSIS

The following items were reviewed for compliancy in the metals method 200.7; total cyanide method 335.3; and oil and grease method 1664A analyses:

- Custody documentation
- Holding times
- MS recoveries
- LCS recoveries
- Laboratory duplicate precision
- Instrument calibrations
- Interference check sample
- Laboratory method blank contamination
- ICP serial dilutions
- Sample result verification
- Quantitation limits
- Data completeness

These items were considered compliant and acceptable in accordance with the validation protocols. Therefore, the inorganic data and the oil and grease data presented by Accutest were 100% complete (i.e., usable).

Validated Laboratory Data For November 2007 Water Main Sample

Analyte	casno	Method	Labsampid	Date Sampled	Validation Date	Sample	Location	Result	Code	RL	Units	Valid Result	Valid Code
Ethylbenzene	100-41-4	EPA 624	J75622-1	01-Nov-07	17-Nov-07	WMAIN	1107	0	U	1	ug/l		
cis-1,3-Dichloropropene	10061-01-5	EPA 624	J75622-1	01-Nov-07	17-Nov-07	WMAIN	1107	0	U	1	ug/l		
trans-1,3-Dichloropropene	10061-02-6	EPA 624	J75622-1	01-Nov-07	17-Nov-07	WMAIN	1107	0	U	1	ug/l		
1,4-Dichlorobenzene	106-46-7	EPA 624	J75622-1	01-Nov-07	17-Nov-07	WMAIN	1107	0	U	1	ug/l		
1,2-Dichloroethane	107-06-2	EPA 624	J75622-1	01-Nov-07	17-Nov-07	WMAIN	1107	0	U	1	ug/l		
Toluene	108-88-3	EPA 624	J75622-1	01-Nov-07	17-Nov-07	WMAIN	1107	0	U	1	ug/l		
Chlorobenzene	108-90-7	EPA 624	J75622-1	01-Nov-07	17-Nov-07	WMAIN	1107	0	U	1	ug/l		
Dibromochloromethane	124-48-1	EPA 624	J75622-1	01-Nov-07	17-Nov-07	WMAIN	1107	9.7		1	ug/l		
Tetrachloroethene	127-18-4	EPA 624	J75622-1	01-Nov-07	17-Nov-07	WMAIN	1107	0	U	1	ug/l		
Xylenes (total)	1330-20-7	EPA 624	J75622-1	01-Nov-07	17-Nov-07	WMAIN	1107	0	U	1	ug/l		
cis-1,2-Dichloroethene	156-59-2	EPA 624	J75622-1	01-Nov-07	17-Nov-07	WMAIN	1107	0	U	1	ug/l		
trans-1,2-Dichloroethene	156-60-5	EPA 624	J75622-1	01-Nov-07	17-Nov-07	WMAIN	1107	0	U	1	ug/l		
1,3-Dichlorobenzene	541-73-1	EPA 624	J75622-1	01-Nov-07	17-Nov-07	WMAIN	1107	0	U	1	ug/l		
Carbon tetrachloride	56-23-5	EPA 624	J75622-1	01-Nov-07	17-Nov-07	WMAIN	1107	0	U	1	ug/l		
Chloroform	67-66-3	EPA 624	J75622-1	01-Nov-07	17-Nov-07	WMAIN	1107	20		1	ug/l		
Benzene	71-43-2	EPA 624	J75622-1	01-Nov-07	17-Nov-07	WMAIN	1107	0	U	1	ug/l		
1,1,1-Trichloroethane	71-55-6	EPA 624	J75622-1	01-Nov-07	17-Nov-07	WMAIN	1107	0	U	1	ug/l		
Methyl bromide	74-83-9	EPA 624	J75622-1	01-Nov-07	17-Nov-07	WMAIN	1107	0	U	1	ug/l		
Chloromethane	74-87-3	EPA 624	J75622-1	01-Nov-07	17-Nov-07	WMAIN	1107	0.45	J	1	ug/l		
Chloroethane	75-00-3	EPA 624	J75622-1	01-Nov-07	17-Nov-07	WMAIN	1107	0	U	1	ug/l		
Vinyl chloride	75-01-4	EPA 624	J75622-1	01-Nov-07	17-Nov-07	WMAIN	1107	0	U	2	ug/l		
Methylene chloride	75-09-2	EPA 624	J75622-1	01-Nov-07	17-Nov-07	WMAIN	1107	0	U	1	ug/l		
Bromoform	75-25-2	EPA 624	J75622-1	01-Nov-07	17-Nov-07	WMAIN	1107	0.92	J	1	ug/l		
Bromodichloromethane	75-27-4	EPA 624	J75622-1	01-Nov-07	17-Nov-07	WMAIN	1107	18.6		1	ug/l		
1,1-Dichloroethane	75-34-3	EPA 624	J75622-1	01-Nov-07	17-Nov-07	WMAIN	1107	0	U	1	ug/l		
1,1-Dichloroethene	75-35-4	EPA 624	J75622-1	01-Nov-07	17-Nov-07	WMAIN	1107	0	U	1	ug/l		
Trichlorofluoromethane	75-69-4	EPA 624	J75622-1	01-Nov-07	17-Nov-07	WMAIN	1107	0	U	2	ug/l		
Dichlorodifluoromethane	75-71-8	EPA 624	J75622-1	01-Nov-07	17-Nov-07	WMAIN	1107	0	U	2	ug/l		
1,2-Dichloropropane	78-87-5	EPA 624	J75622-1	01-Nov-07	17-Nov-07	WMAIN	1107	0	U	1	ug/l		
1,1,2-Trichloroethane	79-00-5	EPA 624	J75622-1	01-Nov-07	17-Nov-07	WMAIN	1107	0	U	1	ug/l		
Trichloroethene	79-01-6	EPA 624	J75622-1	01-Nov-07	17-Nov-07	WMAIN	1107	0	U	1	ug/l		
1,1,2,2-Tetrachloroethane	79-34-5	EPA 624	J75622-1	01-Nov-07	17-Nov-07	WMAIN	1107	0	U	1	ug/l		
1,2-Dichlorobenzene	95-50-1	EPA 624	J75622-1	01-Nov-07	17-Nov-07	WMAIN	1107	0	U	1	ug/l		

Validated Laboratory Data for November 2007 OU-2 Monthly Compliance Monitoring

Analyte	casno	Method	Labsampid	Date Sampled	Validation Date	Sample	Location	Result	Code	RL	Units	Valid Result	Valid Code
Aluminum, Total	7429-90-5	EPA 200.7	J75581-1	01-Nov-07	02-Dec-07	SP114	1107	0	U	100	ug/l		
Ethylbenzene	100-41-4	EPA 624	J75581-1	01-Nov-07	02-Dec-07	SP114	1107	2.1		1	ug/l		
cis-1,3-Dichloropropene	10061-01-5	EPA 624	J75581-1	01-Nov-07	02-Dec-07	SP114	1107	0	U	1	ug/l		
trans-1,3-Dichloropropene	10061-02-6	EPA 624	J75581-1	01-Nov-07	02-Dec-07	SP114	1107	0	U	1	ug/l		
1,4-Dichlorobenzene	106-46-7	EPA 624	J75581-1	01-Nov-07	02-Dec-07	SP114	1107	0	U	1	ug/l		
1,2-Dichloroethane	107-06-2	EPA 624	J75581-1	01-Nov-07	02-Dec-07	SP114	1107	0	U	1	ug/l		
Toluene	108-88-3	EPA 624	J75581-1	01-Nov-07	02-Dec-07	SP114	1107	3.1		1	ug/l		
Chlorobenzene	108-90-7	EPA 624	J75581-1	01-Nov-07	02-Dec-07	SP114	1107	0.76	J	1	ug/l		
Dibromochloromethane	124-48-1	EPA 624	J75581-1	01-Nov-07	02-Dec-07	SP114	1107	0	U	1	ug/l		
Tetrachloroethene	127-18-4	EPA 624	J75581-1	01-Nov-07	02-Dec-07	SP114	1107	0	U	1	ug/l		
Xylenes (total)	1330-20-7	EPA 624	J75581-1	01-Nov-07	02-Dec-07	SP114	1107	1.5		1	ug/l		
cis-1,2-Dichloroethene	156-59-2	EPA 624	J75581-1	01-Nov-07	02-Dec-07	SP114	1107	5		1	ug/l		
trans-1,2-Dichloroethene	156-60-5	EPA 624	J75581-1	01-Nov-07	02-Dec-07	SP114	1107	0.78	J	1	ug/l		
1,3-Dichlorobenzene	541-73-1	EPA 624	J75581-1	01-Nov-07	02-Dec-07	SP114	1107	0	U	1	ug/l		
Carbon tetrachloride	56-23-5	EPA 624	J75581-1	01-Nov-07	02-Dec-07	SP114	1107	0	U	1	ug/l		
Chloroform	67-66-3	EPA 624	J75581-1	01-Nov-07	02-Dec-07	SP114	1107	0	U	1	ug/l		
Benzene	71-43-2	EPA 624	J75581-1	01-Nov-07	02-Dec-07	SP114	1107	80.1		1	ug/l		
1,1,1-Trichloroethane	71-55-6	EPA 624	J75581-1	01-Nov-07	02-Dec-07	SP114	1107	3.1		1	ug/l		
Methyl bromide	74-83-9	EPA 624	J75581-1	01-Nov-07	02-Dec-07	SP114	1107	0	U	1	ug/l		
Chloromethane	74-87-3	EPA 624	J75581-1	01-Nov-07	02-Dec-07	SP114	1107	0	U	1	ug/l		
Chloroethane	75-00-3	EPA 624	J75581-1	01-Nov-07	02-Dec-07	SP114	1107	0.95	J	1	ug/l		
Vinyl chloride	75-01-4	EPA 624	J75581-1	01-Nov-07	02-Dec-07	SP114	1107	31.4		2	ug/l		
Methylene chloride	75-09-2	EPA 624	J75581-1	01-Nov-07	02-Dec-07	SP114	1107	0	U	1	ug/l		
Bromoform	75-25-2	EPA 624	J75581-1	01-Nov-07	02-Dec-07	SP114	1107	0	U	1	ug/l		
Bromodichloromethane	75-27-4	EPA 624	J75581-1	01-Nov-07	02-Dec-07	SP114	1107	0	U	1	ug/l		
1,1-Dichloroethane	75-34-3	EPA 624	J75581-1	01-Nov-07	02-Dec-07	SP114	1107	19		1	ug/l		
1,1-Dichloroethene	75-35-4	EPA 624	J75581-1	01-Nov-07	02-Dec-07	SP114	1107	0	U	1	ug/l		
Trichlorofluoromethane	75-69-4	EPA 624	J75581-1	01-Nov-07	02-Dec-07	SP114	1107	0	U	2	ug/l		
Dichlorodifluoromethane	75-71-8	EPA 624	J75581-1	01-Nov-07	02-Dec-07	SP114	1107	0	U	2	ug/l		
1,2-Dichloropropane	78-87-5	EPA 624	J75581-1	01-Nov-07	02-Dec-07	SP114	1107	0	U	1	ug/l		
1,1,2-Trichloroethane	79-00-5	EPA 624	J75581-1	01-Nov-07	02-Dec-07	SP114	1107	0	U	1	ug/l		
Trichloroethene	79-01-6	EPA 624	J75581-1	01-Nov-07	02-Dec-07	SP114	1107	0	U	1	ug/l		
1,1,2,2-Tetrachloroethane	79-34-5	EPA 624	J75581-1	01-Nov-07	02-Dec-07	SP114	1107	0	U	1	ug/l		
1,2-Dichlorobenzene	95-50-1	EPA 624	J75581-1	01-Nov-07	02-Dec-07	SP114	1107	0	U	1	ug/l		
Iron, Total	7439-89-6	EPA 200.7	J75581-1	01-Nov-07	02-Dec-07	SP114	1107	43900		100	ug/l		
Lead, Total	7439-92-1	EPA 200.7	J75581-1	01-Nov-07	02-Dec-07	SP114	1107	0	U	3	ug/l		
Nickel, Total	7440-02-0	EPA 200.7	J75581-1	01-Nov-07	02-Dec-07	SP114	1107	0	U	40	ug/l		
Arsenic, Total	7440-38-2	EPA 200.7	J75581-1	01-Nov-07	02-Dec-07	SP114	1107	115		8	ug/l		
Chromium, Total	7440-47-3	EPA 200.7	J75581-1	01-Nov-07	02-Dec-07	SP114	1107	0	U	10	ug/l		
Copper, Total	7440-50-8	EPA 200.7	J75581-1	01-Nov-07	02-Dec-07	SP114	1107	0	U	25	ug/l		
Zinc, Total	7440-66-6	EPA 200.7	J75581-1	01-Nov-07	02-Dec-07	SP114	1107	0	U	20	ug/l		

Validated Laboratory Data for November 2007 OU-2 Monthly Compliance Monitoring

Analyte	casno	Method	Labsampid	Date Sampled	Validation Date	Sample	Location	Result	Code	RL	Units	Valid Result	Valid Code
Ethylbenzene	100-41-4	EPA 624	J75581-2	01-Nov-07	02-Dec-07	SP217	1107	0	U	1	ug/l		
cis-1,3-Dichloropropene	10061-01-5	EPA 624	J75581-2	01-Nov-07	02-Dec-07	SP217	1107	0	U	1	ug/l		
trans-1,3-Dichloropropene	10061-02-6	EPA 624	J75581-2	01-Nov-07	02-Dec-07	SP217	1107	0	U	1	ug/l		
1,4-Dichlorobenzene	106-46-7	EPA 624	J75581-2	01-Nov-07	02-Dec-07	SP217	1107	0	U	1	ug/l		
1,2-Dichloroethane	107-06-2	EPA 624	J75581-2	01-Nov-07	02-Dec-07	SP217	1107	0	U	1	ug/l		
Toluene	108-88-3	EPA 624	J75581-2	01-Nov-07	02-Dec-07	SP217	1107	0	U	1	ug/l		
Chlorobenzene	108-90-7	EPA 624	J75581-2	01-Nov-07	02-Dec-07	SP217	1107	0	U	1	ug/l		
Dibromochloromethane	124-48-1	EPA 624	J75581-2	01-Nov-07	02-Dec-07	SP217	1107	0	U	1	ug/l		
Tetrachloroethene	127-18-4	EPA 624	J75581-2	01-Nov-07	02-Dec-07	SP217	1107	0	U	1	ug/l		
Xylenes (total)	1330-20-7	EPA 624	J75581-2	01-Nov-07	02-Dec-07	SP217	1107	0	U	1	ug/l		
cis-1,2-Dichloroethene	156-59-2	EPA 624	J75581-2	01-Nov-07	02-Dec-07	SP217	1107	1.2		1	ug/l		
trans-1,2-Dichloroethene	156-60-5	EPA 624	J75581-2	01-Nov-07	02-Dec-07	SP217	1107	0	U	1	ug/l		
1,3-Dichlorobenzene	541-73-1	EPA 624	J75581-2	01-Nov-07	02-Dec-07	SP217	1107	0	U	1	ug/l		
Carbon tetrachloride	56-23-5	EPA 624	J75581-2	01-Nov-07	02-Dec-07	SP217	1107	0	U	1	ug/l		
Chloroform	67-66-3	EPA 624	J75581-2	01-Nov-07	02-Dec-07	SP217	1107	2.3		1	ug/l		
Benzene	71-43-2	EPA 624	J75581-2	01-Nov-07	02-Dec-07	SP217	1107	0	U	1	ug/l		
1,1,1-Trichloroethane	71-55-6	EPA 624	J75581-2	01-Nov-07	02-Dec-07	SP217	1107	0.84	J	1	ug/l		
Methyl bromide	74-83-9	EPA 624	J75581-2	01-Nov-07	02-Dec-07	SP217	1107	0	U	1	ug/l		
Chloromethane	74-87-3	EPA 624	J75581-2	01-Nov-07	02-Dec-07	SP217	1107	0	U	1	ug/l		
Chloroethane	75-00-3	EPA 624	J75581-2	01-Nov-07	02-Dec-07	SP217	1107	0	U	1	ug/l		
Vinyl chloride	75-01-4	EPA 624	J75581-2	01-Nov-07	02-Dec-07	SP217	1107	0	U	2	ug/l		
Methylene chloride	75-09-2	EPA 624	J75581-2	01-Nov-07	02-Dec-07	SP217	1107	0	U	1	ug/l		
Bromoform	75-25-2	EPA 624	J75581-2	01-Nov-07	02-Dec-07	SP217	1107	0	U	1	ug/l		
Bromodichloromethane	75-27-4	EPA 624	J75581-2	01-Nov-07	02-Dec-07	SP217	1107	0.81	J	1	ug/l		
1,1-Dichloroethane	75-34-3	EPA 624	J75581-2	01-Nov-07	02-Dec-07	SP217	1107	5.5		1	ug/l		
1,1-Dichloroethene	75-35-4	EPA 624	J75581-2	01-Nov-07	02-Dec-07	SP217	1107	0	U	1	ug/l		
Trichlorofluoromethane	75-69-4	EPA 624	J75581-2	01-Nov-07	02-Dec-07	SP217	1107	0	U	2	ug/l		
Dichlorodifluoromethane	75-71-8	EPA 624	J75581-2	01-Nov-07	02-Dec-07	SP217	1107	0	U	2	ug/l		
1,2-Dichloropropane	78-87-5	EPA 624	J75581-2	01-Nov-07	02-Dec-07	SP217	1107	0	U	1	ug/l		
1,1,2-Trichloroethane	79-00-5	EPA 624	J75581-2	01-Nov-07	02-Dec-07	SP217	1107	0	U	1	ug/l		
Trichloroethene	79-01-6	EPA 624	J75581-2	01-Nov-07	02-Dec-07	SP217	1107	0	U	1	ug/l		
1,1,2,2-Tetrachloroethane	79-34-5	EPA 624	J75581-2	01-Nov-07	02-Dec-07	SP217	1107	0	U	1	ug/l		
1,2-Dichlorobenzene	95-50-1	EPA 624	J75581-2	01-Nov-07	02-Dec-07	SP217	1107	0	U	1	ug/l		

Validated Laboratory Data for November 2007 OU-2 Monthly Compliance Monitoring

Analyte	casno	Method	Labsampid	Date Sampled	Validation Date	Sample	Location	Result	Code	RL	Units	Valid Result	Valid Code
Aluminum, Total	7429-90-5	EPA 200.7	J75581-3	01-Nov-07	02-Dec-07	SP219	1107	0	U	100	ug/l		
Cyanide	57-12-5	EPA 335.4/LACHAT	J75581-3	01-Nov-07	02-Dec-07	SP219	1107	0	U	0.01	mg/l		
Ethylbenzene	100-41-4	EPA 624	J75581-3	01-Nov-07	02-Dec-07	SP219	1107	0	U	1	ug/l		
cis-1,3-Dichloropropene	10061-01-5	EPA 624	J75581-3	01-Nov-07	02-Dec-07	SP219	1107	0	U	1	ug/l		
trans-1,3-Dichloropropene	10061-02-6	EPA 624	J75581-3	01-Nov-07	02-Dec-07	SP219	1107	0	U	1	ug/l		
1,4-Dichlorobenzene	106-46-7	EPA 624	J75581-3	01-Nov-07	02-Dec-07	SP219	1107	0	U	1	ug/l		
1,2-Dichloroethane	107-06-2	EPA 624	J75581-3	01-Nov-07	02-Dec-07	SP219	1107	0	U	1	ug/l		
Toluene	108-88-3	EPA 624	J75581-3	01-Nov-07	02-Dec-07	SP219	1107	0	U	1	ug/l		
Chlorobenzene	108-90-7	EPA 624	J75581-3	01-Nov-07	02-Dec-07	SP219	1107	0	U	1	ug/l		
Dibromochloromethane	124-48-1	EPA 624	J75581-3	01-Nov-07	02-Dec-07	SP219	1107	0	U	1	ug/l		
Tetrachloroethene	127-18-4	EPA 624	J75581-3	01-Nov-07	02-Dec-07	SP219	1107	0	U	1	ug/l		
Xylenes (total)	1330-20-7	EPA 624	J75581-3	01-Nov-07	02-Dec-07	SP219	1107	0	U	1	ug/l		
cis-1,2-Dichloroethene	156-59-2	EPA 624	J75581-3	01-Nov-07	02-Dec-07	SP219	1107	0	U	1	ug/l		
trans-1,2-Dichloroethene	156-60-5	EPA 624	J75581-3	01-Nov-07	02-Dec-07	SP219	1107	0	U	1	ug/l		
1,3-Dichlorobenzene	541-73-1	EPA 624	J75581-3	01-Nov-07	02-Dec-07	SP219	1107	0	U	1	ug/l		
Carbon tetrachloride	56-23-5	EPA 624	J75581-3	01-Nov-07	02-Dec-07	SP219	1107	0	U	1	ug/l		
Chloroform	67-66-3	EPA 624	J75581-3	01-Nov-07	02-Dec-07	SP219	1107	0	U	1	ug/l		
Benzene	71-43-2	EPA 624	J75581-3	01-Nov-07	02-Dec-07	SP219	1107	0	U	1	ug/l		
1,1,1-Trichloroethane	71-55-6	EPA 624	J75581-3	01-Nov-07	02-Dec-07	SP219	1107	0	U	1	ug/l		
Methyl bromide	74-83-9	EPA 624	J75581-3	01-Nov-07	02-Dec-07	SP219	1107	0	U	1	ug/l		
Chloromethane	74-87-3	EPA 624	J75581-3	01-Nov-07	02-Dec-07	SP219	1107	0	U	1	ug/l		
Chloroethane	75-00-3	EPA 624	J75581-3	01-Nov-07	02-Dec-07	SP219	1107	0	U	1	ug/l		
Vinyl chloride	75-01-4	EPA 624	J75581-3	01-Nov-07	02-Dec-07	SP219	1107	0	U	1	ug/l		
Methylene chloride	75-09-2	EPA 624	J75581-3	01-Nov-07	02-Dec-07	SP219	1107	0	U	2	ug/l		
Bromoform	75-25-2	EPA 624	J75581-3	01-Nov-07	02-Dec-07	SP219	1107	0	U	1	ug/l		
Bromodichloromethane	75-27-4	EPA 624	J75581-3	01-Nov-07	02-Dec-07	SP219	1107	0	U	1	ug/l		
1,1-Dichloroethane	75-34-3	EPA 624	J75581-3	01-Nov-07	02-Dec-07	SP219	1107	1.3		1	ug/l		
1,1-Dichloroethene	75-35-4	EPA 624	J75581-3	01-Nov-07	02-Dec-07	SP219	1107	0	U	1	ug/l		
Trichlorofluoromethane	75-69-4	EPA 624	J75581-3	01-Nov-07	02-Dec-07	SP219	1107	0	U	2	ug/l		
Dichlorodifluoromethane	75-71-8	EPA 624	J75581-3	01-Nov-07	02-Dec-07	SP219	1107	0	U	2	ug/l		
1,2-Dichloropropane	78-87-5	EPA 624	J75581-3	01-Nov-07	02-Dec-07	SP219	1107	0	U	1	ug/l		
1,1,2-Trichloroethane	79-00-5	EPA 624	J75581-3	01-Nov-07	02-Dec-07	SP219	1107	0	U	1	ug/l		
Trichloroethene	79-01-6	EPA 624	J75581-3	01-Nov-07	02-Dec-07	SP219	1107	0	U	1	ug/l		
1,1,2,2-Tetrachloroethane	79-34-5	EPA 624	J75581-3	01-Nov-07	02-Dec-07	SP219	1107	0	U	1	ug/l		
1,2-Dichlorobenzene	95-50-1	EPA 624	J75581-3	01-Nov-07	02-Dec-07	SP219	1107	0	U	1	ug/l		
Oil And Grease		EPA 1664A	J75581-3	01-Nov-07	02-Dec-07	SP219	1107	0	U	5.2	mg/l		
Lead, Total	7439-92-1	EPA 200.7	J75581-3	01-Nov-07	02-Dec-07	SP219	1107	0	U	3	ug/l		
Iron, Total	7439-89-6	EPA 200.7	J75581-3	01-Nov-07	02-Dec-07	SP219	1107	0	U	100	ug/l		
Nickel, Total	7440-02-0	EPA 200.7	J75581-3	01-Nov-07	02-Dec-07	SP219	1107	0	U	40	ug/l		
Arsenic, Total	7440-38-2	EPA 200.7	J75581-3	01-Nov-07	02-Dec-07	SP219	1107	0	U	8	ug/l		
Chromium, Total	7440-47-3	EPA 200.7	J75581-3	01-Nov-07	02-Dec-07	SP219	1107	0	U	10	ug/l		
Copper, Total	7440-50-8	EPA 200.7	J75581-3	01-Nov-07	02-Dec-07	SP219	1107	0	U	25	ug/l		

Validated Laboratory Data for November 2007 OU-2 Monthly Compliance Monitoring

Analyte	casno	Method	Labsampid	Date Sampled	Validation Date	Sample	Location	Result	Code	RL	Units	Valid Result	Valid Code
Zinc, Total	7440-66-6	EPA 200.7	J75581-3	01-Nov-07	02-Dec-07	SP219	1107	0	U	20	ug/l		
Ethylbenzene	100-41-4	EPA 624	J75581-4	01-Nov-07	02-Dec-07	UNK	TRIP BLANK	0	U	1	ug/l		
cis-1,3-Dichloropropene	10061-01-5	EPA 624	J75581-4	01-Nov-07	02-Dec-07	UNK	TRIP BLANK	0	U	1	ug/l		
trans-1,3-Dichloropropene	10061-02-6	EPA 624	J75581-4	01-Nov-07	02-Dec-07	UNK	TRIP BLANK	0	U	1	ug/l		
1,4-Dichlorobenzene	106-46-7	EPA 624	J75581-4	01-Nov-07	02-Dec-07	UNK	TRIP BLANK	0	U	1	ug/l		
1,2-Dichloroethane	107-06-2	EPA 624	J75581-4	01-Nov-07	02-Dec-07	UNK	TRIP BLANK	0	U	1	ug/l		
Toluene	108-88-3	EPA 624	J75581-4	01-Nov-07	02-Dec-07	UNK	TRIP BLANK	0	U	1	ug/l		
Chlorobenzene	108-90-7	EPA 624	J75581-4	01-Nov-07	02-Dec-07	UNK	TRIP BLANK	0	U	1	ug/l		
Dibromochloromethane	124-48-1	EPA 624	J75581-4	01-Nov-07	02-Dec-07	UNK	TRIP BLANK	0	U	1	ug/l		
Tetrachloroethene	127-18-4	EPA 624	J75581-4	01-Nov-07	02-Dec-07	UNK	TRIP BLANK	0	U	1	ug/l		
Xylenes (total)	1330-20-7	EPA 624	J75581-4	01-Nov-07	02-Dec-07	UNK	TRIP BLANK	0	U	1	ug/l		
cis-1,2-Dichloroethene	156-59-2	EPA 624	J75581-4	01-Nov-07	02-Dec-07	UNK	TRIP BLANK	0	U	1	ug/l		
trans-1,2-Dichloroethene	156-60-5	EPA 624	J75581-4	01-Nov-07	02-Dec-07	UNK	TRIP BLANK	0	U	1	ug/l		
1,3-Dichlorobenzene	541-73-1	EPA 624	J75581-4	01-Nov-07	02-Dec-07	UNK	TRIP BLANK	0	U	1	ug/l		
Carbon tetrachloride	56-23-5	EPA 624	J75581-4	01-Nov-07	02-Dec-07	UNK	TRIP BLANK	0	U	1	ug/l		
Chloroform	67-66-3	EPA 624	J75581-4	01-Nov-07	02-Dec-07	UNK	TRIP BLANK	0	U	1	ug/l		
Benzene	71-43-2	EPA 624	J75581-4	01-Nov-07	02-Dec-07	UNK	TRIP BLANK	0	U	1	ug/l		
1,1,1-Trichloroethane	71-55-6	EPA 624	J75581-4	01-Nov-07	02-Dec-07	UNK	TRIP BLANK	0	U	1	ug/l		
Methyl bromide	74-83-9	EPA 624	J75581-4	01-Nov-07	02-Dec-07	UNK	TRIP BLANK	0	U	1	ug/l		
Chloromethane	74-87-3	EPA 624	J75581-4	01-Nov-07	02-Dec-07	UNK	TRIP BLANK	0	U	1	ug/l		
Chloroethane	75-00-3	EPA 624	J75581-4	01-Nov-07	02-Dec-07	UNK	TRIP BLANK	0	U	1	ug/l		
Vinyl chloride	75-01-4	EPA 624	J75581-4	01-Nov-07	02-Dec-07	UNK	TRIP BLANK	0	U	1	ug/l		
Methylene chloride	75-09-2	EPA 624	J75581-4	01-Nov-07	02-Dec-07	UNK	TRIP BLANK	0	U	2	ug/l		
Bromoform	75-25-2	EPA 624	J75581-4	01-Nov-07	02-Dec-07	UNK	TRIP BLANK	0	U	1	ug/l		
Bromodichloromethane	75-27-4	EPA 624	J75581-4	01-Nov-07	02-Dec-07	UNK	TRIP BLANK	0	U	1	ug/l		
1,1-Dichloroethane	75-34-3	EPA 624	J75581-4	01-Nov-07	02-Dec-07	UNK	TRIP BLANK	0	U	1	ug/l		
1,1-Dichloroethene	75-35-4	EPA 624	J75581-4	01-Nov-07	02-Dec-07	UNK	TRIP BLANK	0	U	1	ug/l		
Trichlorofluoromethane	75-69-4	EPA 624	J75581-4	01-Nov-07	02-Dec-07	UNK	TRIP BLANK	0	U	2	ug/l		
Dichlorodifluoromethane	75-71-8	EPA 624	J75581-4	01-Nov-07	02-Dec-07	UNK	TRIP BLANK	0	U	2	ug/l		
1,2-Dichloropropane	78-87-5	EPA 624	J75581-4	01-Nov-07	02-Dec-07	UNK	TRIP BLANK	0	U	1	ug/l		
1,1,2-Trichloroethane	79-00-5	EPA 624	J75581-4	01-Nov-07	02-Dec-07	UNK	TRIP BLANK	0	U	1	ug/l		
Trichloroethene	79-01-6	EPA 624	J75581-4	01-Nov-07	02-Dec-07	UNK	TRIP BLANK	0	U	1	ug/l		
1,1,2,2-Tetrachloroethane	79-34-5	EPA 624	J75581-4	01-Nov-07	02-Dec-07	UNK	TRIP BLANK	0	U	1	ug/l		
1,2-Dichlorobenzene	95-50-1	EPA 624	J75581-4	01-Nov-07	02-Dec-07	UNK	TRIP BLANK	0	U	1	ug/l		
Aluminum, Dissolved	7429-90-5	EPA 200.7	J75581-1F	01-Nov-07	02-Dec-07	SP114	1107	0	U	100	ug/l		
Aluminum, Dissolved	7429-90-5	EPA 200.7	J75581-3F	01-Nov-07	02-Dec-07	SP219	1107	0	U	100	ug/l		

DATA USABILITY SUMMARY REPORT FOR DECEMBER 2007 MONTHLY COMPLIANCE MONITORING

ATLANTIC RICHFIELD COMPANY FORMER SINCLAIR REFINERY SITE (OU2) WELLSVILLE, NEW YORK

Three groundwater samples and one field QC trip blank sample were collected from the Former Sinclair Refinery Site in Wellsville, New York on December 5, 2007. These samples were received by Accutest Laboratories (Accutest) within one day of collection on December 6, 2007. The groundwater samples were analyzed by Accutest for halogenated volatile organic compounds (VOCs) and the VOCs benzene, toluene, ethylbenzene, and total xylenes (BTEX) using the USEPA method 624; total metals using the USEPA method 200.7; total cyanide using the USEPA method 335.4; and oil and grease using the USEPA SW-846 method 1664A. Analytical results from these project samples were validated and reviewed by On-Site Technical Services, Inc. (On-Site) for usability in accordance to the USEPA Region II SOPs for organic and inorganic data review.

SUMMARY

The groundwater samples were collected, properly preserved, shipped under a chain-of-custody (COC) record, and received by Accutest at 3.6°C. All samples were received intact and in good condition at Accutest.

The analytical data package generated by Accutest (Accutest Job # J78297) was received by On-Site within 23 days of sample receipt at the laboratory, reviewed, and validated for custody documentation, holding times, surrogate recoveries, matrix spike/matrix spike duplicate (MS/MSD) recoveries, laboratory control sample (LCS) recoveries, laboratory method blank contamination, trip blank contamination, instrument calibrations, internal standard responses, laboratory duplicate precision, quantitation limits, sample result verification, and data completeness. The laboratory sample data were reviewed and may be qualified with the following validation flags:

"U" – not detected at the value given,
"UJ" – estimated and not detected at the value given,
"J" – estimated at the value given, and
"R" – unusable value.

The validated laboratory data were tabulated and are presented in the attached table with the "Valid Result" and "Valid Code" columns representing changes in laboratory data resulting from data validation. However, the laboratory data did not require qualification resulting from data validation for these samples. Therefore, there were no changes to the laboratory data presented in the attached table.

VOLATILE ORGANIC ANALYSIS

The following items were reviewed for compliancy in the volatile method 624 analyses:

- Custody documentation
- Holding times
- Surrogate recoveries
- MS/MSD precision and accuracy
- LCS recoveries
- GC/MS instrument performance
- Initial and continuing calibrations
- Laboratory method blank and trip blank contamination
- Internal standard responses
- Sample result verification
- Quantitation limits
- Data completeness

These items were considered compliant and acceptable in accordance with the validation protocols. Therefore, the volatile data presented by Accutest were 100% complete with all data considered usable and valid.

INORGANIC AND OIL AND GREASE ANALYSIS

The following items were reviewed for compliancy in the metals method 200.7; total cyanide method 335.4; and oil and grease method 1664A analyses:

- Custody documentation
- Holding times
- MS recoveries
- LCS recoveries
- Laboratory duplicate precision
- Instrument calibrations
- Interference check sample
- Laboratory method blank contamination
- ICP serial dilutions
- Sample result verification
- Quantitation limits
- Data completeness

These items were considered compliant and acceptable in accordance with the validation protocols. Therefore, the inorganic data and the oil and grease data presented by Accutest were 100% complete (i.e., usable).

Validated Laboratory Data For December 2007 OU-2 Monthly Compliance Monitoring

Analyte	casno	Method	Labsampid	Date Sampled	Validation Date	Sample	Location	Result	Code	RL	Units	Valid Result	Valid Code
Ethylbenzene	100-41-4	EPA 624	J78297-1	05-Dec-07	06-Jan-08	SP114	1207	1.8		1	ug/l		
cis-1,3-Dichloropropene	10061-01-5	EPA 624	J78297-1	05-Dec-07	06-Jan-08	SP114	1207	0	U	1	ug/l		
trans-1,3-Dichloropropene	10061-02-6	EPA 624	J78297-1	05-Dec-07	06-Jan-08	SP114	1207	0	U	1	ug/l		
1,4-Dichlorobenzene	106-46-7	EPA 624	J78297-1	05-Dec-07	06-Jan-08	SP114	1207	0	U	1	ug/l		
1,2-Dichloroethane	107-06-2	EPA 624	J78297-1	05-Dec-07	06-Jan-08	SP114	1207	0	U	1	ug/l		
Toluene	108-88-3	EPA 624	J78297-1	05-Dec-07	06-Jan-08	SP114	1207	2.6		1	ug/l		
Chlorobenzene	108-90-7	EPA 624	J78297-1	05-Dec-07	06-Jan-08	SP114	1207	0.55	J	1	ug/l		
Dibromochloromethane	124-48-1	EPA 624	J78297-1	05-Dec-07	06-Jan-08	SP114	1207	0	U	1	ug/l		
Tetrachloroethene	127-18-4	EPA 624	J78297-1	05-Dec-07	06-Jan-08	SP114	1207	0	U	1	ug/l		
Xylenes (total)	1330-20-7	EPA 624	J78297-1	05-Dec-07	06-Jan-08	SP114	1207	1.7		1	ug/l		
cis-1,2-Dichloroethene	156-59-2	EPA 624	J78297-1	05-Dec-07	06-Jan-08	SP114	1207	0	U	1	ug/l		
trans-1,2-Dichloroethene	156-60-5	EPA 624	J78297-1	05-Dec-07	06-Jan-08	SP114	1207	0	U	1	ug/l		
1,3-Dichlorobenzene	541-73-1	EPA 624	J78297-1	05-Dec-07	06-Jan-08	SP114	1207	0	U	1	ug/l		
Carbon tetrachloride	56-23-5	EPA 624	J78297-1	05-Dec-07	06-Jan-08	SP114	1207	0	U	1	ug/l		
Chloroform	67-66-3	EPA 624	J78297-1	05-Dec-07	06-Jan-08	SP114	1207	0	U	1	ug/l		
Benzene	71-43-2	EPA 624	J78297-1	05-Dec-07	06-Jan-08	SP114	1207	54.7		1	ug/l		
1,1,1-Trichloroethane	71-55-6	EPA 624	J78297-1	05-Dec-07	06-Jan-08	SP114	1207	1.3		1	ug/l		
Methyl bromide	74-83-9	EPA 624	J78297-1	05-Dec-07	06-Jan-08	SP114	1207	0	U	1	ug/l		
Chloromethane	74-87-3	EPA 624	J78297-1	05-Dec-07	06-Jan-08	SP114	1207	0	U	1	ug/l		
Chloroethane	75-00-3	EPA 624	J78297-1	05-Dec-07	06-Jan-08	SP114	1207	0.62	J	1	ug/l		
Vinyl chloride	75-01-4	EPA 624	J78297-1	05-Dec-07	06-Jan-08	SP114	1207	2.9		2	ug/l		
Methylene chloride	75-09-2	EPA 624	J78297-1	05-Dec-07	06-Jan-08	SP114	1207	0	U	1	ug/l		
Bromoform	75-25-2	EPA 624	J78297-1	05-Dec-07	06-Jan-08	SP114	1207	0	U	1	ug/l		
Bromodichloromethane	75-27-4	EPA 624	J78297-1	05-Dec-07	06-Jan-08	SP114	1207	0	U	1	ug/l		
1,1-Dichloroethane	75-34-3	EPA 624	J78297-1	05-Dec-07	06-Jan-08	SP114	1207	11.2		1	ug/l		
1,1-Dichloroethene	75-35-4	EPA 624	J78297-1	05-Dec-07	06-Jan-08	SP114	1207	0	U	1	ug/l		
Trichlorofluoromethane	75-69-4	EPA 624	J78297-1	05-Dec-07	06-Jan-08	SP114	1207	0	U	2	ug/l		
Dichlorodifluoromethane	75-71-8	EPA 624	J78297-1	05-Dec-07	06-Jan-08	SP114	1207	0	U	2	ug/l		
1,2-Dichloropropane	78-87-5	EPA 624	J78297-1	05-Dec-07	06-Jan-08	SP114	1207	0	U	1	ug/l		
1,1,2-Trichloroethane	79-00-5	EPA 624	J78297-1	05-Dec-07	06-Jan-08	SP114	1207	0	U	1	ug/l		
Trichloroethene	79-01-6	EPA 624	J78297-1	05-Dec-07	06-Jan-08	SP114	1207	0	U	1	ug/l		
1,1,2,2-Tetrachloroethane	79-34-5	EPA 624	J78297-1	05-Dec-07	06-Jan-08	SP114	1207	0	U	1	ug/l		
1,2-Dichlorobenzene	95-50-1	EPA 624	J78297-1	05-Dec-07	06-Jan-08	SP114	1207	0	U	1	ug/l		
Aluminum, Total	7429-90-5	EPA 200.7	J78297-1	05-Dec-07	06-Jan-08	SP114	1207	0	U	100	ug/l		
Iron, Total	7439-89-6	EPA 200.7	J78297-1	05-Dec-07	06-Jan-08	SP114	1207	45600		100	ug/l		
Lead, Total	7439-92-1	EPA 200.7	J78297-1	05-Dec-07	06-Jan-08	SP114	1207	0	U	3	ug/l		
Nickel, Total	7440-02-0	EPA 200.7	J78297-1	05-Dec-07	06-Jan-08	SP114	1207	0	U	40	ug/l		
Arsenic, Total	7440-38-2	EPA 200.7	J78297-1	05-Dec-07	06-Jan-08	SP114	1207	135		8	ug/l		
Chromium, Total	7440-47-3	EPA 200.7	J78297-1	05-Dec-07	06-Jan-08	SP114	1207	0	U	10	ug/l		
Copper, Total	7440-50-8	EPA 200.7	J78297-1	05-Dec-07	06-Jan-08	SP114	1207	0	U	25	ug/l		
Zinc, Total	7440-66-6	EPA 200.7	J78297-1	05-Dec-07	06-Jan-08	SP114	1207	0	U	20	ug/l		

Validated Laboratory Data For December 2007 OU-2 Monthly Compliance Monitoring

Analyte	casno	Method	Labsampid	Date Sampled	Validation Date	Sample	Location	Result	Code	RL	Units	Valid Result	Valid Code
Ethylbenzene	100-41-4	EPA 624	J78297-2	05-Dec-07	06-Jan-08	SP217	1207	0	U	1	ug/l		
cis-1,3-Dichloropropene	10061-01-5	EPA 624	J78297-2	05-Dec-07	06-Jan-08	SP217	1207	0	U	1	ug/l		
trans-1,3-Dichloropropene	10061-02-6	EPA 624	J78297-2	05-Dec-07	06-Jan-08	SP217	1207	0	U	1	ug/l		
1,4-Dichlorobenzene	106-46-7	EPA 624	J78297-2	05-Dec-07	06-Jan-08	SP217	1207	0	U	1	ug/l		
1,2-Dichloroethane	107-06-2	EPA 624	J78297-2	05-Dec-07	06-Jan-08	SP217	1207	0	U	1	ug/l		
Toluene	108-88-3	EPA 624	J78297-2	05-Dec-07	06-Jan-08	SP217	1207	0	U	1	ug/l		
Chlorobenzene	108-90-7	EPA 624	J78297-2	05-Dec-07	06-Jan-08	SP217	1207	0	U	1	ug/l		
Dibromochloromethane	124-48-1	EPA 624	J78297-2	05-Dec-07	06-Jan-08	SP217	1207	0	U	1	ug/l		
Tetrachloroethene	127-18-4	EPA 624	J78297-2	05-Dec-07	06-Jan-08	SP217	1207	0	U	1	ug/l		
Xylenes (total)	1330-20-7	EPA 624	J78297-2	05-Dec-07	06-Jan-08	SP217	1207	0	U	1	ug/l		
cis-1,2-Dichloroethene	156-59-2	EPA 624	J78297-2	05-Dec-07	06-Jan-08	SP217	1207	0.92	J	1	ug/l		
trans-1,2-Dichloroethene	156-60-5	EPA 624	J78297-2	05-Dec-07	06-Jan-08	SP217	1207	0	U	1	ug/l		
1,3-Dichlorobenzene	541-73-1	EPA 624	J78297-2	05-Dec-07	06-Jan-08	SP217	1207	0	U	1	ug/l		
Carbon tetrachloride	56-23-5	EPA 624	J78297-2	05-Dec-07	06-Jan-08	SP217	1207	0	U	1	ug/l		
Chloroform	67-66-3	EPA 624	J78297-2	05-Dec-07	06-Jan-08	SP217	1207	2.6		1	ug/l		
Benzene	71-43-2	EPA 624	J78297-2	05-Dec-07	06-Jan-08	SP217	1207	0	U	1	ug/l		
1,1,1-Trichloroethane	71-55-6	EPA 624	J78297-2	05-Dec-07	06-Jan-08	SP217	1207	0.8	J	1	ug/l		
Methyl bromide	74-83-9	EPA 624	J78297-2	05-Dec-07	06-Jan-08	SP217	1207	0	U	1	ug/l		
Chloromethane	74-87-3	EPA 624	J78297-2	05-Dec-07	06-Jan-08	SP217	1207	0	U	1	ug/l		
Chloroethane	75-00-3	EPA 624	J78297-2	05-Dec-07	06-Jan-08	SP217	1207	0	U	1	ug/l		
Vinyl chloride	75-01-4	EPA 624	J78297-2	05-Dec-07	06-Jan-08	SP217	1207	0	U	2	ug/l		
Methylene chloride	75-09-2	EPA 624	J78297-2	05-Dec-07	06-Jan-08	SP217	1207	0	U	1	ug/l		
Bromoform	75-25-2	EPA 624	J78297-2	05-Dec-07	06-Jan-08	SP217	1207	0	U	1	ug/l		
Bromodichloromethane	75-27-4	EPA 624	J78297-2	05-Dec-07	06-Jan-08	SP217	1207	0.8	J	1	ug/l		
1,1-Dichloroethane	75-34-3	EPA 624	J78297-2	05-Dec-07	06-Jan-08	SP217	1207	5.5		1	ug/l		
1,1-Dichloroethene	75-35-4	EPA 624	J78297-2	05-Dec-07	06-Jan-08	SP217	1207	0	U	1	ug/l		
Trichlorofluoromethane	75-69-4	EPA 624	J78297-2	05-Dec-07	06-Jan-08	SP217	1207	0	U	2	ug/l		
Dichlorodifluoromethane	75-71-8	EPA 624	J78297-2	05-Dec-07	06-Jan-08	SP217	1207	0	U	2	ug/l		
1,2-Dichloropropane	78-87-5	EPA 624	J78297-2	05-Dec-07	06-Jan-08	SP217	1207	0	U	1	ug/l		
1,1,2-Trichloroethane	79-00-5	EPA 624	J78297-2	05-Dec-07	06-Jan-08	SP217	1207	0	U	1	ug/l		
Trichloroethene	79-01-6	EPA 624	J78297-2	05-Dec-07	06-Jan-08	SP217	1207	0	U	1	ug/l		
1,1,2,2-Tetrachloroethane	79-34-5	EPA 624	J78297-2	05-Dec-07	06-Jan-08	SP217	1207	0	U	1	ug/l		
1,2-Dichlorobenzene	95-50-1	EPA 624	J78297-2	05-Dec-07	06-Jan-08	SP217	1207	0	U	1	ug/l		

Validated Laboratory Data For December 2007 OU-2 Monthly Compliance Monitoring

Analyte	casno	Method	Labsampid	Date Sampled	Validation Date	Sample	Location	Result	Code	RL	Units	Valid Result	Valid Code
Cyanide	57-12-5	EPA 335.4/LACHAT	J78297-3	05-Dec-07	06-Jan-08	SP219	1207	0	U	0.01	mg/l		
Ethylbenzene	100-41-4	EPA 624	J78297-3	05-Dec-07	06-Jan-08	SP219	1207	0	U	1	ug/l		
cis-1,3-Dichloropropene	10061-01-5	EPA 624	J78297-3	05-Dec-07	06-Jan-08	SP219	1207	0	U	1	ug/l		
trans-1,3-Dichloropropene	10061-02-6	EPA 624	J78297-3	05-Dec-07	06-Jan-08	SP219	1207	0	U	1	ug/l		
1,4-Dichlorobenzene	106-46-7	EPA 624	J78297-3	05-Dec-07	06-Jan-08	SP219	1207	0	U	1	ug/l		
1,2-Dichloroethane	107-06-2	EPA 624	J78297-3	05-Dec-07	06-Jan-08	SP219	1207	0	U	1	ug/l		
Toluene	108-88-3	EPA 624	J78297-3	05-Dec-07	06-Jan-08	SP219	1207	0	U	1	ug/l		
Chlorobenzene	108-90-7	EPA 624	J78297-3	05-Dec-07	06-Jan-08	SP219	1207	0	U	1	ug/l		
Dibromochloromethane	124-48-1	EPA 624	J78297-3	05-Dec-07	06-Jan-08	SP219	1207	0	U	1	ug/l		
Tetrachloroethene	127-18-4	EPA 624	J78297-3	05-Dec-07	06-Jan-08	SP219	1207	0	U	1	ug/l		
Xylenes (total)	1330-20-7	EPA 624	J78297-3	05-Dec-07	06-Jan-08	SP219	1207	0	U	1	ug/l		
cis-1,2-Dichloroethene	156-59-2	EPA 624	J78297-3	05-Dec-07	06-Jan-08	SP219	1207	0	U	1	ug/l		
trans-1,2-Dichloroethene	156-60-5	EPA 624	J78297-3	05-Dec-07	06-Jan-08	SP219	1207	0	U	1	ug/l		
1,3-Dichlorobenzene	541-73-1	EPA 624	J78297-3	05-Dec-07	06-Jan-08	SP219	1207	0	U	1	ug/l		
Carbon tetrachloride	56-23-5	EPA 624	J78297-3	05-Dec-07	06-Jan-08	SP219	1207	0	U	1	ug/l		
Chloroform	67-66-3	EPA 624	J78297-3	05-Dec-07	06-Jan-08	SP219	1207	0.74	J	1	ug/l		
Benzene	71-43-2	EPA 624	J78297-3	05-Dec-07	06-Jan-08	SP219	1207	0	U	1	ug/l		
1,1,1-Trichloroethane	71-55-6	EPA 624	J78297-3	05-Dec-07	06-Jan-08	SP219	1207	0	U	1	ug/l		
Methyl bromide	74-83-9	EPA 624	J78297-3	05-Dec-07	06-Jan-08	SP219	1207	0	U	1	ug/l		
Chloromethane	74-87-3	EPA 624	J78297-3	05-Dec-07	06-Jan-08	SP219	1207	0	U	1	ug/l		
Chloroethane	75-00-3	EPA 624	J78297-3	05-Dec-07	06-Jan-08	SP219	1207	0	U	1	ug/l		
Vinyl chloride	75-01-4	EPA 624	J78297-3	05-Dec-07	06-Jan-08	SP219	1207	0	U	2	ug/l		
Methylene chloride	75-09-2	EPA 624	J78297-3	05-Dec-07	06-Jan-08	SP219	1207	0	U	1	ug/l		
Bromoform	75-25-2	EPA 624	J78297-3	05-Dec-07	06-Jan-08	SP219	1207	0	U	1	ug/l		
Bromodichloromethane	75-27-4	EPA 624	J78297-3	05-Dec-07	06-Jan-08	SP219	1207	0	U	1	ug/l		
1,1-Dichloroethane	75-34-3	EPA 624	J78297-3	05-Dec-07	06-Jan-08	SP219	1207	2.2		1	ug/l		
1,1-Dichloroethene	75-35-4	EPA 624	J78297-3	05-Dec-07	06-Jan-08	SP219	1207	0	U	1	ug/l		
Trichlorofluoromethane	75-69-4	EPA 624	J78297-3	05-Dec-07	06-Jan-08	SP219	1207	0	U	2	ug/l		
Dichlorodifluoromethane	75-71-8	EPA 624	J78297-3	05-Dec-07	06-Jan-08	SP219	1207	0	U	2	ug/l		
1,2-Dichloropropane	78-87-5	EPA 624	J78297-3	05-Dec-07	06-Jan-08	SP219	1207	0	U	1	ug/l		
1,1,2-Trichloroethane	79-00-5	EPA 624	J78297-3	05-Dec-07	06-Jan-08	SP219	1207	0	U	1	ug/l		
Trichloroethene	79-01-6	EPA 624	J78297-3	05-Dec-07	06-Jan-08	SP219	1207	0	U	1	ug/l		
1,1,2,2-Tetrachloroethane	79-34-5	EPA 624	J78297-3	05-Dec-07	06-Jan-08	SP219	1207	0	U	1	ug/l		
1,2-Dichlorobenzene	95-50-1	EPA 624	J78297-3	05-Dec-07	06-Jan-08	SP219	1207	0	U	1	ug/l		
Oil And Grease		EPA 1664A	J78297-3	05-Dec-07	06-Jan-08	SP219	1207	0	U	5	mg/l		
Aluminum, Total	7429-90-5	EPA 200.7	J78297-3	05-Dec-07	06-Jan-08	SP219	1207	0	U	100	ug/l		
Iron, Total	7439-89-6	EPA 200.7	J78297-3	05-Dec-07	06-Jan-08	SP219	1207	0	U	100	ug/l		
Lead, Total	7439-92-1	EPA 200.7	J78297-3	05-Dec-07	06-Jan-08	SP219	1207	0	U	3	ug/l		
Nickel, Total	7440-02-0	EPA 200.7	J78297-3	05-Dec-07	06-Jan-08	SP219	1207	0	U	40	ug/l		
Arsenic, Total	7440-38-2	EPA 200.7	J78297-3	05-Dec-07	06-Jan-08	SP219	1207	0	U	8	ug/l		
Chromium, Total	7440-47-3	EPA 200.7	J78297-3	05-Dec-07	06-Jan-08	SP219	1207	0	U	10	ug/l		
Copper, Total	7440-50-8	EPA 200.7	J78297-3	05-Dec-07	06-Jan-08	SP219	1207	0	U	25	ug/l		
Zinc, Total	7440-66-6	EPA 200.7	J78297-3	05-Dec-07	06-Jan-08	SP219	1207	0	U	20	ug/l		

Validated Laboratory Data For December 2007 OU-2 Monthly Compliance Monitoring

Analyte	casno	Method	Labsampid	Date Sampled	Validation Date	Sample	Location	Result	Code	RL	Units	Valid Result	Valid Code
Ethylbenzene	100-41-4	EPA 624	J78297-4	05-Dec-07	06-Jan-08	UNK	TRIP BLANK	0	U	1	ug/l		
cis-1,3-Dichloropropene	10061-01-5	EPA 624	J78297-4	05-Dec-07	06-Jan-08	UNK	TRIP BLANK	0	U	1	ug/l		
trans-1,3-Dichloropropene	10061-02-6	EPA 624	J78297-4	05-Dec-07	06-Jan-08	UNK	TRIP BLANK	0	U	1	ug/l		
1,4-Dichlorobenzene	106-46-7	EPA 624	J78297-4	05-Dec-07	06-Jan-08	UNK	TRIP BLANK	0	U	1	ug/l		
1,2-Dichloroethane	107-06-2	EPA 624	J78297-4	05-Dec-07	06-Jan-08	UNK	TRIP BLANK	0	U	1	ug/l		
Toluene	108-88-3	EPA 624	J78297-4	05-Dec-07	06-Jan-08	UNK	TRIP BLANK	0	U	1	ug/l		
Chlorobenzene	108-90-7	EPA 624	J78297-4	05-Dec-07	06-Jan-08	UNK	TRIP BLANK	0	U	1	ug/l		
Dibromochloromethane	124-48-1	EPA 624	J78297-4	05-Dec-07	06-Jan-08	UNK	TRIP BLANK	0	U	1	ug/l		
Tetrachloroethene	127-18-4	EPA 624	J78297-4	05-Dec-07	06-Jan-08	UNK	TRIP BLANK	0	U	1	ug/l		
Xylenes (total)	1330-20-7	EPA 624	J78297-4	05-Dec-07	06-Jan-08	UNK	TRIP BLANK	0	U	1	ug/l		
cis-1,2-Dichloroethene	156-59-2	EPA 624	J78297-4	05-Dec-07	06-Jan-08	UNK	TRIP BLANK	0	U	1	ug/l		
trans-1,2-Dichloroethene	156-60-5	EPA 624	J78297-4	05-Dec-07	06-Jan-08	UNK	TRIP BLANK	0	U	1	ug/l		
1,3-Dichlorobenzene	541-73-1	EPA 624	J78297-4	05-Dec-07	06-Jan-08	UNK	TRIP BLANK	0	U	1	ug/l		
Carbon tetrachloride	56-23-5	EPA 624	J78297-4	05-Dec-07	06-Jan-08	UNK	TRIP BLANK	0	U	1	ug/l		
Chloroform	67-66-3	EPA 624	J78297-4	05-Dec-07	06-Jan-08	UNK	TRIP BLANK	0	U	1	ug/l		
Benzene	71-43-2	EPA 624	J78297-4	05-Dec-07	06-Jan-08	UNK	TRIP BLANK	0	U	1	ug/l		
1,1,1-Trichloroethane	71-55-6	EPA 624	J78297-4	05-Dec-07	06-Jan-08	UNK	TRIP BLANK	0	U	1	ug/l		
Methyl bromide	74-83-9	EPA 624	J78297-4	05-Dec-07	06-Jan-08	UNK	TRIP BLANK	0	U	1	ug/l		
Chloromethane	74-87-3	EPA 624	J78297-4	05-Dec-07	06-Jan-08	UNK	TRIP BLANK	0	U	1	ug/l		
Chloroethane	75-00-3	EPA 624	J78297-4	05-Dec-07	06-Jan-08	UNK	TRIP BLANK	0	U	1	ug/l		
Vinyl chloride	75-01-4	EPA 624	J78297-4	05-Dec-07	06-Jan-08	UNK	TRIP BLANK	0	U	2	ug/l		
Methylene chloride	75-09-2	EPA 624	J78297-4	05-Dec-07	06-Jan-08	UNK	TRIP BLANK	0	U	1	ug/l		
Bromoform	75-25-2	EPA 624	J78297-4	05-Dec-07	06-Jan-08	UNK	TRIP BLANK	0	U	1	ug/l		
Bromodichloromethane	75-27-4	EPA 624	J78297-4	05-Dec-07	06-Jan-08	UNK	TRIP BLANK	0	U	1	ug/l		
1,1-Dichloroethane	75-34-3	EPA 624	J78297-4	05-Dec-07	06-Jan-08	UNK	TRIP BLANK	0	U	1	ug/l		
1,1-Dichloroethene	75-35-4	EPA 624	J78297-4	05-Dec-07	06-Jan-08	UNK	TRIP BLANK	0	U	1	ug/l		
Trichlorofluoromethane	75-69-4	EPA 624	J78297-4	05-Dec-07	06-Jan-08	UNK	TRIP BLANK	0	U	2	ug/l		
Dichlorodifluoromethane	75-71-8	EPA 624	J78297-4	05-Dec-07	06-Jan-08	UNK	TRIP BLANK	0	U	2	ug/l		
1,2-Dichloropropane	78-87-5	EPA 624	J78297-4	05-Dec-07	06-Jan-08	UNK	TRIP BLANK	0	U	1	ug/l		
1,1,2-Trichloroethane	79-00-5	EPA 624	J78297-4	05-Dec-07	06-Jan-08	UNK	TRIP BLANK	0	U	1	ug/l		
Trichloroethene	79-01-6	EPA 624	J78297-4	05-Dec-07	06-Jan-08	UNK	TRIP BLANK	0	U	1	ug/l		
1,1,2,2-Tetrachloroethane	79-34-5	EPA 624	J78297-4	05-Dec-07	06-Jan-08	UNK	TRIP BLANK	0	U	1	ug/l		
1,2-Dichlorobenzene	95-50-1	EPA 624	J78297-4	05-Dec-07	06-Jan-08	UNK	TRIP BLANK	0	U	1	ug/l		
Aluminum, Dissolved	7429-90-5	EPA 200.7	J78297-1F	05-Dec-07	06-Jan-08	SP114	1207	0	U	100	ug/l		
Aluminum, Dissolved	7429-90-5	EPA 200.7	J78297-3F	05-Dec-07	06-Jan-08	SP219	1207	0	U	100	ug/l		