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2006 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, 2006. 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,* 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 are currently being finalized. Phase II is anticipated to include a downgradient hydrogeologic barrier and an engineered wetland treatment system.

1.2 Report Organization

This report documents the Phase I progress monitoring completed from January 1 through December 31, 2006. 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.

2006 System Operations

During 2006, the treatment system operated 97% of the time. A total of approximately 5,111,100 gallons of water were treated. Approximately six cubic yards of sludge was produced from the metals treatment unit and properly disposed off-site. Additionally, five 55-gallon drums of used absorbents (river booms) were properly disposed off-site. Both the boxes and drums were disposed as non-hazardous waste at an approved off-site facility. A 2006 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 USEPA entitled: *Proposed Revisions to Interim OU2 Groundwater Monitoring Plan, Former Sinclair Refinery, Wellsville, NY,* dated April 29, 2003. This plan was approved by USEPA in 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 2006 annual OU2 groundwater sampling event was completed between June 13 and 21, 2006. 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 a combination of non-dedicated bladder and grundfus pumps. 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; (ii) tap water rinse; followed by (iii) distilled water rinse. Equipment rinsate blanks were collected from each pump and tubing each day used. Due to a shipping error, samples from wells MW-7, MW-11, MW-71, MW-78 and MW-91 sent on June 14, 2006 were not received by the laboratory until June 19, 2006 at 19.8°C. Since these samples were received above temperature requirements, samples were recollected from these wells on June 20 and 21, 2006 and sent to the laboratory. 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 2006 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 well MW-69A and AWQS at monitoring well 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 xylenes AWQSs.

The Central Area includes wells MW-09, MW-71 and OW-04. With the exception of benzene detected at MW-09, BTEX compounds were not observed in these wells during 2006.

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 xylenes. Additionally, benzene exceeded AWQS at MW-07 and MW-96.

A tabular listing of the June 2006 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 2006 samples were tested for cis-1,2-dichloroethene (cDCE) and vinyl chloride as required by the current monitoring plan. The June 2006 concentrations are consistent with historic results. In 2006, MW-69A exceeded the AWQS and MCL for vinyl chloride. The June 2006 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 2006 sampling event. With the exception of aniline and nitrobenzene, SVOCs were not detected at MW-70, OW-1 and OW-3 during June 2006. Both aniline and nitrobenzene exceeded AWQSs at MW-70 and OW-3. The levels observed are consistent with historical data from these wells. June 2006 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 2006. Total arsenic was detected in samples from 12 of the 13 monitoring wells. Arsenic was not detected at MW-71. The arsenic MCL is 0.010 mg/L and the AWQS is 0.025 mg/L. In June 2006, 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, MW-9 and OW-3. June 2006 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. Three original equipment rinsate blank samples (EB1-0606, EB2-0606 and EB3-0606) were collected by pumping distilled water through the pumps and tubing into laboratory provided sample bottles. Equipment blank EB1-0606 was collected on June 13, 2006 from the bladder pump and tubing used to collect samples from MW-9, MW-55 and MW-69A. EB2-0606 was collected from pump and tubing on June 21, 2006 associated with wells MW-7, MW-10, MW-71, MW-96 and OW-4. Equipment blank EB3-0606 was collected on June 15, 2006 from the grundfus pump and tubing used to collect samples from OW-1, MW-70 and OW-3. Equipment rinsate blanks results are non-detect and are presented in Table 7.

A field duplicate sample was collected from OW-03 on June 15, 2006. The 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. Most samples were received intact and in good condition by the laboratory within one to two days after sampling, except for the following samples. Monitoring well samples from MW-96, MW-7, MW-71, MW-10 and OW-4 were shipped on June 15, 2006, but not received by the lab until June 19, 2006 at a temperature of 19.8°C. These wells were resampled and shipped on June 21, 2006. Three 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 detections to be changed 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 13, 2006 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 and OW-3. Oil absorbent socks were installed in MW-07 and OW-03 as a precautionary measure prior to sampling. The socks were removed from the wells immediately prior to purging and sampling each well. 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 verses time. The plots are presented as Figures 5 to 8 for the Northern Area, MW-70 Area, Central Area and Southern Area.

4.2 LNAPL Thickness Measurements and Removal

As a proactive measure, LNAPL removal was conducted at six wells (MW-7, OW-3, OW-8, MW-75, MW-85 and MW-86) during 2006. These six wells are the only wells where LNAPL is routinely measured at an apparent thickness more than 0.01 ft. Measurements are first conducted to determine the thickness, if any, of LNAPL in the wells. Any LNAPL present is removed by installing absorbent socks in the wells whenever an apparent LNAPL thickness greater than 0.01 ft was measured. During 2006, approximately 1.4 ounces (oz) of LNAPL was

removed from MW-7; approximately 3.8 oz from OW-3; approximately 30.2 oz from OW-8; approximately 8.5 oz from MW-75; approximately 4.7 oz from MW-85; and approximately 21.7 oz from MW-86. Table 10 provides details on LNAPL measurements and removal.

4.3 Groundwater Geochemical Parameters

Groundwater geochemical parameter monitoring was performed in the field during the June 2006 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 2006 geochemical monitoring are generally consistent with historic results. DO levels continue to be low and ORP readings indicate reducing conditions at the wells. The June 2006 geochemical field parameters are listed in Table 11.

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 observed since June 2001. However, sub-aqueous seep activities continue during periods of low river water levels and warm temperatures. In 2006, absorbent booms and sweeps were installed on July 17, 2006 (immediately following the first observation of sub-aqueous seep activity) and removed for the winter on November 2, 2006. Boom replacement was conducted periodically throughout the year due to washout or visual appearance. Boom replacement occurred on July 31, 2006, October 3, 2006, and October 20, 2006. In the event of a boom washout, tethers attaching the booms to the river bank prevent loss during high river levels.

Table 1

2006 Off-Site Disposal Summary
Former Sinclair Refinery Site (OU2)
Wellsville, New York

Drum / Box No.	Contents	Type	Profile No.	Disposal Date	Manifest No.	Disposal Facility
D-123	River Booms	Non-Hazardous	CS4644	3/28/2006	WMNH003740	CWM Chemical Services, Inc.
D-124	River Booms	Non-Hazardous	CS4644	3/28/2006	WMNH003740	CWM Chemical Services, Inc.
B-6	Filter Cake	Non-Hazardous	VB5107	3/28/2006	WMNH003740	CWM Chemical Services, Inc.
B-7	Filter Cake	Non-Hazardous	VB5107	3/28/2006	WMNH003740	CWM Chemical Services, Inc.
B-8	Filter Cake	Non-Hazardous	VB5107	3/28/2006	WMNH003740	CWM Chemical Services, Inc.
B-9	Filter Cake	Non-Hazardous	VB5107	3/28/2006	WMNH003740	CWM Chemical Services, Inc.
B-10	Filter Cake	Non-Hazardous	VB5107	9/18/2006	WMNH005516	CWM Chemical Services, Inc.
B-11	Filter Cake	Non-Hazardous	VB5107	9/18/2006	WMNH005516	CWM Chemical Services, Inc.
D-125	River Booms	Non-Hazardous	CS4644	9/18/2006	WMNH005516	CWM Chemical Services, Inc.
D-126	River Booms	Non-Hazardous	CS4644	9/18/2006	WMNH005516	CWM Chemical Services, Inc.
D-127	River Booms	Non-Hazardous	CS4644	9/18/2006	WMNH005516	CWM Chemical Services, Inc.

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

Table 2

2006 Groundwater Treatment System Monthly Compliance Monitoring Analytical Results
Former Sinclair Refinery Site (OU2)
Wellsville, New York
(mg/L except where noted)

Parameter	1/4/2006			2/2/2006		3/6/2006			Discharge Limits
	Influent	Between GAC	Effluent	Between GAC	Effluent	Influent	Between GAC	Effluent	
Aluminum	0.1 U	NA	0.1 U	NA	0.1 U	0.108	NA	0.1 U	
Aluminum, dissolved	0.1 U	NA	0.1 U	NA	0.1 U	0.1 U	NA	0.1 U	0.1
Arsenic	0.101	NA	0.005 U	NA	0.008 U	0.114	NA	0.008 U	0.15
Chromium	0.01 U	NA	0.01 U	NA	0.01 U	0.01 U	NA	0.01 U	0.5
Copper	0.025 U	NA	0.025 U	NA	0.025 U	0.025 U	NA	0.025 U	0.5
Iron	46.4	NA	0.148	NA	0.123	50.8	NA	0.182	4
Lead	0.0039	NA	0.003 U	NA	0.003 U	0.003 U	NA	0.003 U	0.004
Nickel	0.0652	NA	0.04 U	NA	0.04 U	0.04 U	NA	0.04 U	
Zinc	0.0285	NA	0.02 U	NA	0.02 U	0.02 U	NA	0.02 U	0.052
1,1,1-Trichloroethane	0.0058	0.00046 J	0.001 U	0.001 U	0.001 U	0.0097	0.001 U	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	
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	
1,1-Dichloroethane	0.0293	0.0036	0.0012	0.0011	0.0012	0.0276	0.0013	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	
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	
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	
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	
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	
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	
Benzene	0.0995	0.001 U	0.001 U	0.001 U	0.001 U	0.104	0.001 U	0.001 U	0.01
Bromodichloromethane	0.001 U	0.00039 J	0.001 U	0.00021 J	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	
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	
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	
Chlorobenzene	0.00057 J	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	
Chloroethane	0.0014	0.001 U	0.001 U	0.001 U	0.001 U	0.0012	0.001 U	0.001 U	
Chloroform	0.001 U	0.0013	0.00048 J	0.00079 J	0.00059 J	0.001 U	0.00064 J	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	
cis-1,2-Dichloroethene	0.107	0.0074	0.00036 J	0.0015	0.00059 J	0.101	0.00079 J	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	
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	
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	

Please see page 8 for notes.

Table 2

2006 Groundwater Treatment System Monthly Compliance Monitoring Analytical Results
Former Sinclair Refinery Site (OU2)
Wellsville, New York
(mg/L except where noted)

Parameter	1/4/2006			2/2/2006		3/6/2006			Discharge Limits
	Influent	Between GAC	Effluent	Between GAC	Effluent	Influent	Between GAC	Effluent	
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	
Ethyl benzene	0.0067	0.001 U	0.001 U	0.001 U	0.001 U	0.0098	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	
Toluene	0.0066	0.001 U	0.001 U	0.001 U	0.001 U	0.0087	0.001 U	0.001 U	0.01
trans-1,2-Dichloroethene	0.0012	0.001 U	0.001 U	0.001 U	0.001 U	0.0013	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	
Trichloroethene	0.0012	0.001 U	0.001 U	0.001 U	0.001 U	0.0027	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	
Vinyl chloride	0.0898	0.0017 J	0.001 J	0.00061 J	0.0011 J	0.108	0.00086 J	0.002 U	0.05
Xylenes (total)	0.0078	0.001 U	0.001 U	0.001 U	0.001 U	0.0115	0.001 U	0.001 U	0.01
Cyanide			0 R		0.01 U			0.01 U	
Oil & Grease			5.1 U		5.1 U			5.1 UJ	15
pH	6.6		7.35		7.33	6.61		7.83	6.5 - 8.5

Please see page 8 for notes.

Table 2

2006 Groundwater Treatment System Monthly Compliance Monitoring Analytical Results
Former Sinclair Refinery Site (OU2)
Wellsville, New York
(mg/L except where noted)

Parameter	4/6/2006			5/2/2006			6/1/2006			Discharge Limits
	Influent	Between GAC	Effluent	Influent	Between GAC	Effluent	Influent	Between GAC	Effluent	
Aluminum	0.1 U	NA	0.1 U	0.1 U	NA	0.1 U	0.1 U	NA	0.1 U	
Aluminum, dissolved	0.1 U	NA	0.1 U	0.1 U	NA	0.1 U	0.1 U	NA	0.1 U	0.1
Arsenic	0.0966	NA	0.008 U	0.0968	NA	0.008 U	0.0902	NA	0.008 U	0.15
Chromium	0.01 U	NA	0.01 U	0.01 U	NA	0.01 U	0.01 U	NA	0.01 U	0.5
Copper	0.025 U	NA	0.025 U	0.025 U	NA	0.025 U	0.025 U	NA	0.025 U	0.5
Iron	45.8	NA	0.15	46.8	NA	0.1 U	43.4	NA	0.1 U	4
Lead	0.003 U	NA	0.003 U	0.003 U	NA	0.003 U	0.003	NA	0.003 U	0.004
Nickel	0.04 U	NA	0.04 U	0.04 U	NA	0.04 U	0.04 U	NA	0.04 U	
Zinc	0.02 U	NA	0.02 U	0.02 U	NA	0.02 U	0.02 U	NA	0.02 U	0.052
1,1,1-Trichloroethane	0.0076	0.00061 J	0.001 U	0.0078	0.001 U	0.001 U	0.0083	0.0013	0.00037 J	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	
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	
1,1-Dichloroethane	0.0213	0.0032	0.001 U	0.0211	0.0013	0.001 U	0.0167	0.0042	0.0019	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	
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	
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	
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	
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	
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	
Benzene	0.0875	0.001 U	0.001 U	0.102	0.001 U	0.001 U	0.0825	0.00021 J	0.001 U	0.01
Bromodichloromethane	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.0003 J	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	
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	
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	
Chlorobenzene	0.00056 J	0.001 U	0.001 U	0.00064 J	0.001 U	0.001 U	0.00056 J	0.001 U	0.001 U	
Chloroethane	0.0013	0.001 UJ	0.001 UJ	0.00083 J	0.001 U	0.001 U	0.00066 J	0.001 U	0.001 U	
Chloroform	0.001 U	0.0012	0.001 U	0.001 U	0.00086 J	0.00021 J	0.001 U	0.0013	0.00076 J	
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	
cis-1,2-Dichloroethene	0.061	0.0029	0.001 U	0.0769	0.0016	0.001 U	0.0553	0.005	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	
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	
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	

Please see page 8 for notes.

Table 2

2006 Groundwater Treatment System Monthly Compliance Monitoring Analytical Results
Former Sinclair Refinery Site (OU2)
Wellsville, New York
(mg/L except where noted)

Parameter	4/6/2006			5/2/2006			6/1/2006			Discharge Limits
	Influent	Between GAC	Effluent	Influent	Between GAC	Effluent	Influent	Between GAC	Effluent	
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	
Ethyl benzene	0.0085	0.001 U	0.001 U	0.0101	0.001 U	0.001 U	0.0075	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	
Toluene	0.0076	0.001 U	0.001 U	0.009	0.001 U	0.001 U	0.0079	0.001 U	0.001 U	0.01
trans-1,2-Dichloroethene	0.00093 J	0.001 U	0.001 U	0.0013	0.001 U	0.001 U	0.001	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	
Trichloroethene	0.00046 J	0.001 U	0.001 U	0.00049 J	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	
Vinyl chloride	0.073	0.00081 J	0.002 U	0.0712	0.002 U	0.002 U	0.0857	0.0015 J	0.0005 J	0.05
Xylenes (total)	0.009	0.001 U	0.001 U	0.0119	0.001 U	0.001 U	0.012	0.001 U	0.001 U	0.01
Cyanide			0.01 U			0.01 U			0.01 U	
Oil & Grease			5.1 U			5 U			5.2 U	15
pH	6.73		7.27	6.62		7.3	6.64		7.22	6.5 - 8.5

Please see page 8 for notes.

Table 2

2006 Groundwater Treatment System Monthly Compliance Monitoring Analytical Results
Former Sinclair Refinery Site (OU2)
Wellsville, New York
(mg/L except where noted)

Parameter	7/6/2006			8/3/2006			9/6/2006			Discharge Limits
	Influent	Between GAC	Effluent	Influent	Between GAC	Effluent	Influent	Between GAC	Effluent	
Aluminum	0.1 U	NA	0.1 U	0.1 U	NA	0.1 U	0.1 U	NA	0.1 U	
Aluminum, dissolved	0.1 U	NA	0.1 U	0.1 U	NA	0.1 U	0.1 U	NA	0.1 U	0.1
Arsenic	0.0984	NA	0.008 U	0.102	NA	0.008 U	0.117	NA	0.008 U	0.15
Chromium	0.01 U	NA	0.01 U	0.01 U	NA	0.01 U	0.01 U	NA	0.01 U	0.5
Copper	0.025 U	NA	0.025 U	0.025 U	NA	0.025 U	0.025 U	NA	0.025 U	0.5
Iron	44.9	NA	0.186	44.9	NA	0.1 U	48.4	NA	0.143	4
Lead	0.003 U	NA	0.003 U	0.003 U	NA	0.003 U	0.003 U	NA	0.003 U	0.004
Nickel	0.04 U	NA	0.04 U	0.04 U	NA	0.04 U	0.04 U	NA	0.04 U	
Zinc	0.02 U	NA	0.02 U	0.02 U	NA	0.02 U	0.02 U	NA	0.02 U	0.052
1,1,1-Trichloroethane	0.0074	0.00081 J	0.00057 J	0.0077	0.001 U	0.001 U	0.0048	0.001 U	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	
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	
1,1-Dichloroethane	0.017	0.0036	0.0026	0.0185	0.001 U	0.001 U	0.0145	0.0022	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	
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	
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	
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	
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	
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	
Benzene	0.091	0.0005 J	0.00029 J	0.0882	0.001 U	0.001 U	0.077	0.001 U	0.001 U	0.01
Bromodichloromethane	0.001 U	0.0004 J	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.00047 J	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	
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	
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	
Chlorobenzene	0.00065 J	0.001 U	0.001 U	0.0008 J	0.001 U	0.001 U	0.00072 J	0.001 U	0.001 U	
Chloroethane	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	
Chloroform	0.001 U	0.0023	0.0018	0.001 U	0.00071 J	0.001 U	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	
cis-1,2-Dichloroethene	0.0349	0.001	0.00083 J	0.0392	0.001 U	0.001 U	0.0109	0.0018	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	
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	
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	

Please see page 8 for notes.

Table 2

2006 Groundwater Treatment System Monthly Compliance Monitoring Analytical Results
Former Sinclair Refinery Site (OU2)
Wellsville, New York
(mg/L except where noted)

Parameter	7/6/2006			8/3/2006			9/6/2006			Discharge Limits
	Influent	Between GAC	Effluent	Influent	Between GAC	Effluent	Influent	Between GAC	Effluent	
Dichloromethane (Methylene chloride)	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.0027	0.001 U	0.001 U	
Ethyl benzene	0.0068	0.001 U	0.001 U	0.0062	0.001 U	0.001 U	0.0043	0.001 U	0.001 U	0.01
Tetrachloroethene	0.001 U	0.001 U	0.001 U	0.001 U	0.0043	0.001 U	0.001 U	0.001 U	0.001 U	
Toluene	0.0076	0.001 U	0.001 U	0.0084	0.001 U	0.001 U	0.0058	0.001 U	0.001 U	0.01
trans-1,2-Dichloroethene	0.00072 J	0.001 U	0.001 U	0.0014	0.001 U	0.001 U	0.00058 J	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	
Trichloroethene	0.001 U	0.001 U	0.001 U	0.001 U	0.0015	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	
Vinyl chloride	0.0964	0.0012 J	0.0007 J	0.0958	0.002 U	0.002 U	0.0553	0.002 U	0.002 U	0.05
Xylenes (total)	0.0107	0.001 U	0.001 U	0.0135	0.001 U	0.001 U	0.0091	0.001 U	0.001 U	0.01
Cyanide			0.01 U			0.01 U			0.01 U	
Oil & Grease			5.1 U			5.1 U			5 U	15
pH	6.72		7.48	6.75		7.57	6.7		7.47	6.5 - 8.5

Please see page 8 for notes.

Table 2

2006 Groundwater Treatment System Monthly Compliance Monitoring Analytical Results
Former Sinclair Refinery Site (OU2)
Wellsville, New York
(mg/L except where noted)

Parameter	10/5/2006			11/1/2006			12/6/2006			Discharge Limits
	Influent	Between GAC	Effluent	Influent	Between GAC	Effluent	Influent	Between GAC	Effluent	
Aluminum	0.2 U	NA	0.2 U	0.1 U	NA	0.1 U	0.1 U	NA	0.1 U	
Aluminum, dissolved	0.2 U	NA	0.2 U	0.1 U	NA	0.1 U	0.1 U	NA	0.1 U	0.1
Arsenic	0.124	NA	0.008 U	0.119	NA	0.008 U	0.0442	NA	0.008 U	0.15
Chromium	0.01 U	NA	0.01 U	0.01 U	NA	0.01 U	0.01 U	NA	0.01 U	0.5
Copper	0.025 U	NA	0.025 U	0.025 U	NA	0.025 U	0.025 U	NA	0.025 U	0.5
Iron	46	NA	0.1 U	48.4	NA	0.1 U	34.7	NA	0.1 U	4
Lead	0.0039	NA	0.003 U	0.003 U	NA	0.003 U	0.003 U	NA	0.003 U	0.004
Nickel	0.04 U	NA	0.04 U	0.04 U	NA	0.04 U	0.04 U	NA	0.04 U	
Zinc	0.02 U	NA	0.02 U	0.02 U	NA	0.02 U	0.02 U	NA	0.02 U	0.052
1,1,1-Trichloroethane	0.0073	0.00064 J	0.001 U	0.0029	0.00027 J	0.00025 J	0.005	0.00031 J	0.00035 J	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	
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	
1,1-Dichloroethane	0.0206	0.0038	0.0013	0.0191	0.0025	0.0029	0.0237	0.0029	0.0035	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	
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	
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	
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	
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	
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	
Benzene	0.0933	0.001 U	0.001 U	0.0762	0.001 U	0.001 U	0.0758	0.001 U	0.001 U	0.01
Bromodichloromethane	0.001 U	0.00049 J	0.001 U	0.001 U	0.00093 J	0.001 U	0.001 U	0.00038 J	0.00022 J	
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	
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	
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	
Chlorobenzene	0.00068 J	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.00059 J	0.001 U	0.001 U	
Chloroethane	0.00094 J	0.001 U	0.001 U	0.00055 J	0.001 U	0.001 U	0.0017	0.001 U	0.001 U	
Chloroform	0.001 U	0.0015	0.00067 J	0.001 U	0.0039	0.0011	0.001 U	0.0013	0.0013	
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	
cis-1,2-Dichloroethene	0.029	0.0018	0.001 U	0.0045	0.0012	0.001 U	0.021	0.0013	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	
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	
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	

Please see page 8 for notes.

Table 2

2006 Groundwater Treatment System Monthly Compliance Monitoring Analytical Results
Former Sinclair Refinery Site (OU2)
Wellsville, New York
(mg/L except where noted)

Parameter	10/5/2006			11/1/2006			12/6/2006			Discharge Limits
	Influent	Between GAC	Effluent	Influent	Between GAC	Effluent	Influent	Between GAC	Effluent	
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	
Ethyl benzene	0.0045	0.001 U	0.001 U	0.0031	0.001 U	0.001 U	0.0049	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	
Toluene	0.0081	0.001 U	0.001 U	0.0045	0.001 U	0.001 U	0.0062	0.001 U	0.001 U	0.01
trans-1,2-Dichloroethene	0.0011	0.001 U	0.001 U	0.00061 J	0.001 U	0.001 U	0.00094 J	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	
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	
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	
Vinyl chloride	0.0932	0.0013 J	0.002 U	0.0335	0.002 U	0.00056 J	0.0855	0.002 U	0.00079 J	0.05
Xylenes (total)	0.0096	0.001 U	0.001 U	0.0058	0.001 U	0.001 U	0.0067	0.001 U	0.001 U	0.01
Cyanide			0.01 U			0.01 U			0 R	
Oil & Grease			5.1 U			5 U			5.1 U	15
pH	6.74		7.49	6.73		7.47	6.76		7.5	6.5 - 8.5

Notes:

1) Influent - Combines groundwater pumped from recovery wells RW-1, RW-2 and RW-3 (sample port SP-114)
2) Effluent - Treated water prior to discharge (sample port SP-219)
3) Between GAC - Between the primary and secondary granular activated carbon units (sample port SP-217)
4) Discharge limits are allowable daily maximum
5) Results in **BOLD** exceed discharge limits
6) NA - Not analyzed
7) J - Estimated Value
8) R - Data validation rejected result
9) U - Parameter not detected above the detection limit

Please see page 8 for notes.

Table 3

2006 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	0.00062 J	0.001 U	0.001 U	0.001 U	0.00062
MW-11	0.001 U	0.001 U	0.001 U	0.001 U	0
MW-69A	[redacted]	0.00054 J	0.0004 J	0.001 U	0.05784
MW-78	**0.004**	0.001 U	0.001 U	0.001 U	0.004
MW-70 Area					
MW-70	[redacted]	**0.018**	**0.0405**	**0.0776**	0.1475
OW-01	[redacted]	0.00048 J	0.0027	0.0016	0.04418
OW-03	[redacted]	**0.0083**	**0.022**	**0.0524**	0.0906
Central Area					
MW-09	0.00058 J	0.001 U	0.001 U	0.001 U	0.00058
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	**0.0033**	0.00034 J	0.0023	0.0034	0.00934
MW-55	[redacted]	**0.0491**	**0.0117**	**0.0482**	0.1374
MW-96	**0.0016**	0.001 U	0.00031 J	0.001 U	0.00191

Notes:

1) Groundwater sampling conducted between June 13 and 21, 2006.
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)

[redacted]

Table 4

2006 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
Northern Area		
MW-10	0.001 U	0.001 U
MW-69A	0.0037	[illegible]

Notes:

1) Groundwater sampling conducted between June 13 and 21, 2006.

2) EPA 8260 Analysis with cis-1,2-Dichloroethene and Vinyl chloride 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) U - Analyte not detected at detection limit shown

[illegible]

Table 5

2006 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	0.021 U	0.0021 UJ	0.0052 U	0.0052 U	0.0021 U	ND[3]
MW-70 Area						
MW-70	0.02 U	**7.69**	0.005 U	0.005 U	**3.13**	ND[3]
OW-01	0.02 U	0.002 U	0.005 U	0.005 U	0.002 U	ND[3]
OW-03	0.02 U	**4.2**	0.005 U	0.005 U	**12.3**	ND[3]

Notes:
1) Groundwater sampling conducted between June 13 and 21, 2006.
2) EPA 8270 Analysis with 2-Aminophenol, Aniline, Azobenzene, Azoxybenzene and
3) [1] - Maximum Contaminate Level,
4) [2] - New York State Ambient Water
5) [3] - Nitrosobenzene not detected as part of volatile library search
6) U - Analyte not detected at detection limit shown
7) 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

2006 Groundwater Arsenic Concentrations
Former Sinclair Refinery Site (OU2)
Wellsville, New York
(mg/L)

Location	Arsenic
MCL[1]	0.010
AWQS[2]	0.025
Northern Area	
MW-10	[illegible]
MW-11	[illegible]
MW-69A	[illegible]
MW-78	[illegible]
MW-70 Area	
MW-70	[illegible]
OW-01	[illegible]
OW-03	**0.022**
Central Area	
MW-71	0.008 U
MW-09	**0.011**
OW-04	[illegible]
Southern Area	
MW-07	**0.0168**
MW-55	[illegible]
MW-96	[illegible]

Notes:
1) Groundwater sampling conducted between June 13 and 21, 2006.
2) EPA 6010 Analysis with Total Arsenic reported.
3) [1] - Maximum Contaminate Level, National Primary Drinking Water Regulations (40 CFR 141.11-141.16)
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 Groundwater (NYCRR 700-706, TOG 1.1.1)
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)

[illegible]

Table 7

2006 Groundwater Sampling Equipment Rinsate Blank Concentrations
Former Sinclair Refinery Site (OU2)
Wellsville, New York
(mg/L)

Parameter	EB1-0606 6/13/2006	EB2-0606 6/21/2006	EB3-0606 6/15/2006
Benzene	0.001 U	0.001 U	0.001 U
cis-1,2-Dichloroethene	0.001 U	0.001 U	NA
Ethyl benzene	0.001 U	0.001 U	0.001 U
Toluene	0.001 U	0.001 U	0.001 U
Vinyl chloride	0.001 U	0.001 U	NA
Xylenes (total)	0.001 U	0.001 U	0.001 U
2-Aminophenol	NA	0.02 U	0.02 U
Aniline	NA	0.002 UJ	0.002 U
Azobenzene	NA	0.005 U	0.005 U
Azoxybenzene	NA	0.005 U	0.005 U
Nitrobenzene	NA	0.002 U	0.002 U
Arsenic	0.008 U	0.008 U	0.008 U

Notes:

1) EB1-0606 collected by pumping laboratory grade water through bladder pump and tubing; associated with samples collected from MW-9, MW-55 and MW-69A.

2) EB2-0606 collected by pumping distilled water through bladder pump and tubing; associated with samples collected from MW-96, MW-7, MW-71, MW-10 and OW-4

3) EB3-0606 collected by pumping distilled water through the grundfus pump and tubing; associated with samples collected from MW70, OW-1 and OW-3.

4) U - Analyte not detected at detection limit shown.

5) J - Concentration value is approximate.

6) NA - Not analyzed.

Table 8

2006 Groundwater Field Duplicate Sample Comparison
Former Sinclair Refinery Site (OU2)
Wellsville, New York
(mg/L)

Parameter	OW3-0606	DUP1-0606
Volatile Organic Compounds		
Benzene	0.0079	0.0078
Ethyl benzene	0.0083	0.0085
Toluene	0.022	0.0217
Xylenes (total)	0.0524	0.0529
Semi-Volatile Organic Compounds		
2-Aminophenol	0.02 U	0.02 U
Aniline	4.2	4.85
Azobenzene	0.005 U	0.005 U
Azoxybenzene	0.005 U	0.005 U
Nitrobenzene	12.3	15.2
Metals		
Arsenic	0.022	0.0218

Notes:

1) U - Analyte not detected at detection limit shown
2) J - Concentration value is approximate

Table 9

2006 Groundwater Elevations
Former Sinclair Refinery Site (OU2)
Wellsville, New York

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	12.42	12.41	1488.00	1475.58	Installed 1 18" sock
MW-09	12.79		1486.88	1474.09	Trace of Iron
MW-10	15.04		1482.67	1467.63	
MW-11	13.95		1482.08	1468.13	Trace of Iron
MW-55	10.21		1490.13	1479.92	
MW-69A	15.31		1482.60	1467.29	
MW-70	13.75		1481.55	1467.80	Trace of Iron
MW-71	14.04		1485.15	1471.11	
MW-78	15.60		1482.19	1466.59	
MW-96	12.64		1487.36	1474.72	
OW-01	16.98		1481.30	1464.32	
OW-03	15.17	15.16	1483.03	1467.86	Installed 2 18" socks
OW-04	13.68		1485.33	1471.65	

Notes:
1) ND - LNAPL not detected with interface probe
2) Water levels measured June 13, 2006 prior to commencing well purging and sampling activities
3) 1 - feet above mean sea level (NGVD 29, U.S. Survey Feet)

Table 10

2006 LNAPL Measurements and Removal
Former Sinclair Refinery Site (OU-2)
Wellsville, New York

Date	Depth to LNAPL (ft)	Depth to Water (ft)	Apparent LNAPL Thickness (ft)	Comment	Sock LNAPL Saturation (in)	Approximate LNAPL Removed (oz)
MW-7						
6/20/2006	12.54	12.55	0.01	Removed 1 18" sock and installed 1 18" sock	1.5"	1.4
OW-3						
6/15/2006	NM	NM	NM	Removed 2 18" socks and installed 2 18" socks	2"	3.8
OW-8						
2/2/2006	7.42	7.69	0.27	Removed 4 18" socks and installed 4 18" socks	8"	30.2
2/16/2006	NM	8.07	NM	Removed 4 18" socks (staining visible on sock but no evidence of LNAPL.)	0"	0.0
MW-75						
11/1/2006	6.94	6.96	0.02	Installed 1 18" sock		
11/21/2006	7.28	7.29	0.01	Removed 1 18" sock	9"	8.5
MW-85						
2/2/2006	2.91	NM	NM	Installed 1 18" sock		
2/2/2006	1.85	1.86	0.01	Removed 1 18" sock	5"	4.7
11/1/2006	1.9	1.95	0.05	Installed 1 18" sock		
11/21/2006	NM	2.02	NM	Removed 1 18" sock (little to no trace of LNAPL)	0"	0.0
MW-86						
2/2/2006	NM	6.64	NM	Removed 1 18" sock (no product tone)	5"	4.7
11/1/2006	5.9	6.54	0.64	Installed 1 18" sock		
11/21/2006	6.62	6.64	0.02	Removed 1 18" sock	18"	17
				2006 Total LNAPL Removed (oz):		**70.4**

Notes:
The approximate quantities of LNAPL removed are based on the length of sock saturation and the manufacturers information indicates that 18" sock absorbs 17oz of NAPL.
Example: Four fully saturated 18" socks (4x17oz = 68oz NAPL)
NM -- Not measured

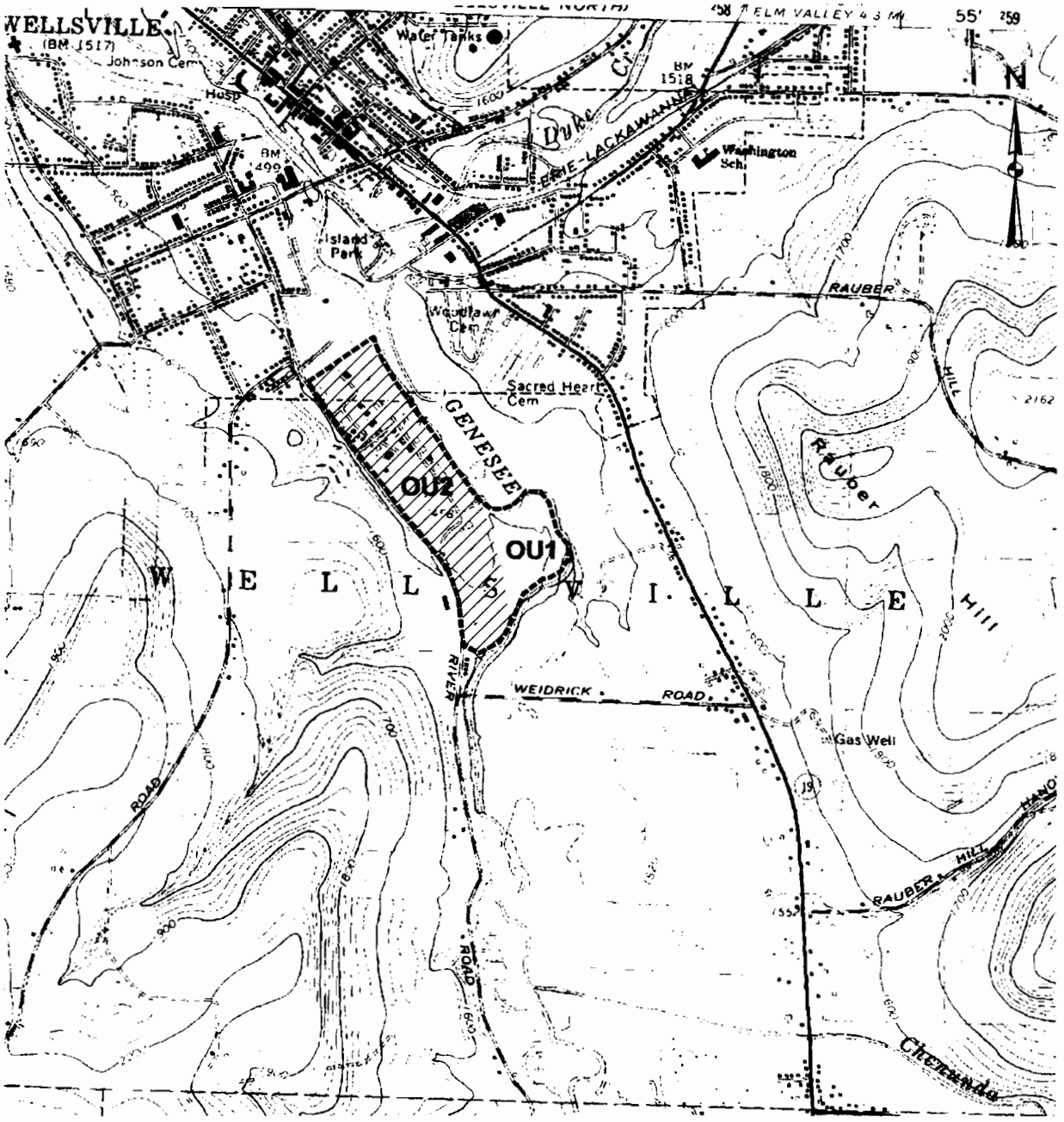
Table 11

2006 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	6/20/2006	6.36	459	3.07	1.01	16.44	-100.4
MW-9	6/13/2006	6.1	1611	31.1	1.49	15.09	-104.6
MW-10	6/21/2006	6.19	840	3.32	0.75	14.5	-10.2
MW-11	6/14/2006	6.3	292	0.36	0.41	10.56	-57.2
MW-55	6/13/2006	6.76	391	6.81	0.51	24.98	-130.7
MW-69A	6/13/2006	6.27	742	1.97	0.28	21.75	-73.1
MW-70	6/15/2006	6.52	1071	3.12	0.55	14.11	-99.8
MW-71	6/21/2006	6.03	897	1.81	0.61	11.82	-22.5
MW-78	6/14/2006	6.24	537	0.52	0.22	13.19	-62.6
MW-96	6/20/2006	5.81	534	1.00	0.58	14.29	-70.1
OW-1	6/15/2006	6.89	850	1.23	0.24	18.35	-118.1
OW-3	6/15/2006	6.48	1007	3.32	1.08	14.25	-78.7
OW-4	6/21/2006	6.08	946	6.57	1.75	16.49	-20.2

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

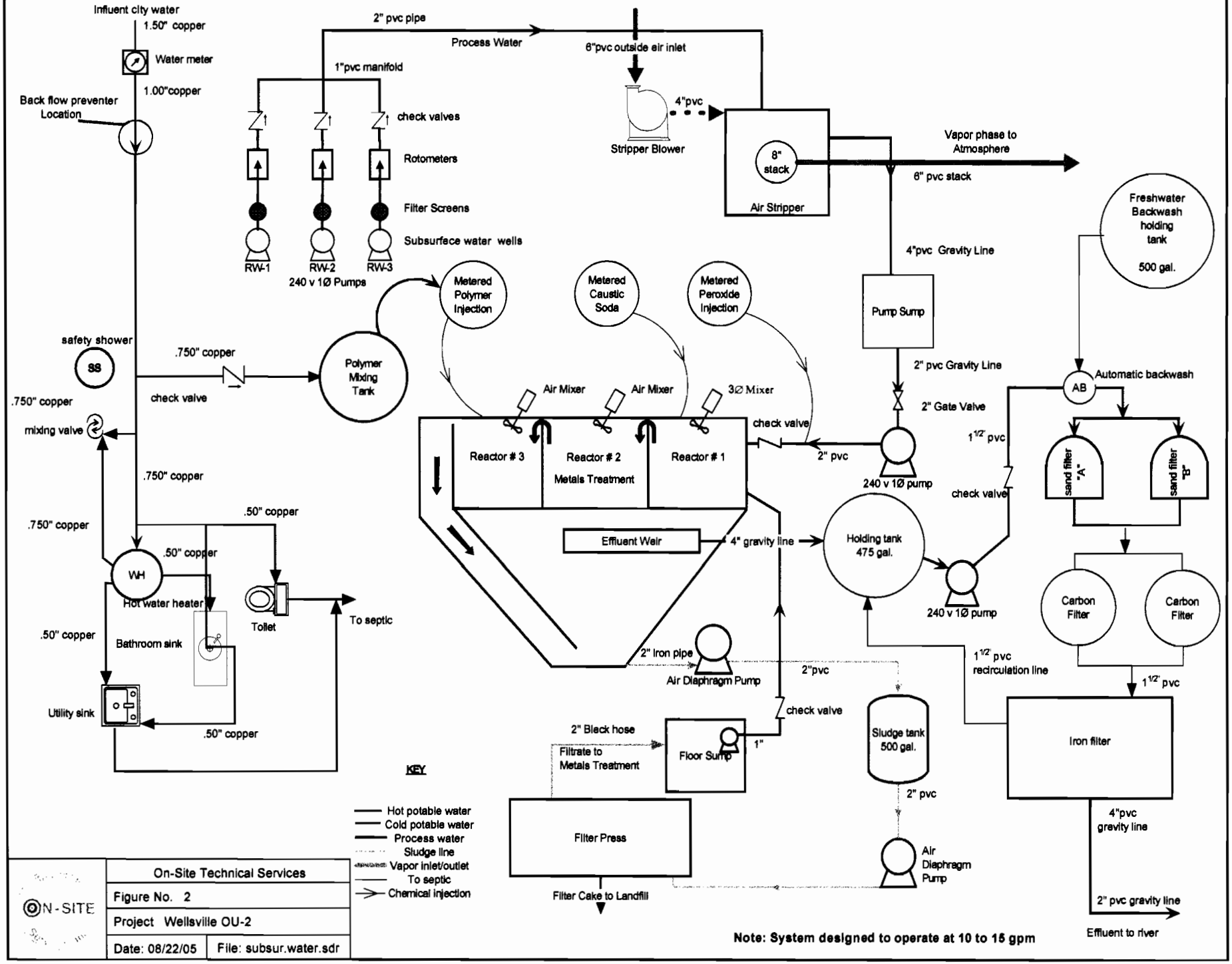
0 1,000 2,000 4,000 Feet

1 inch equals 2,000 feet

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

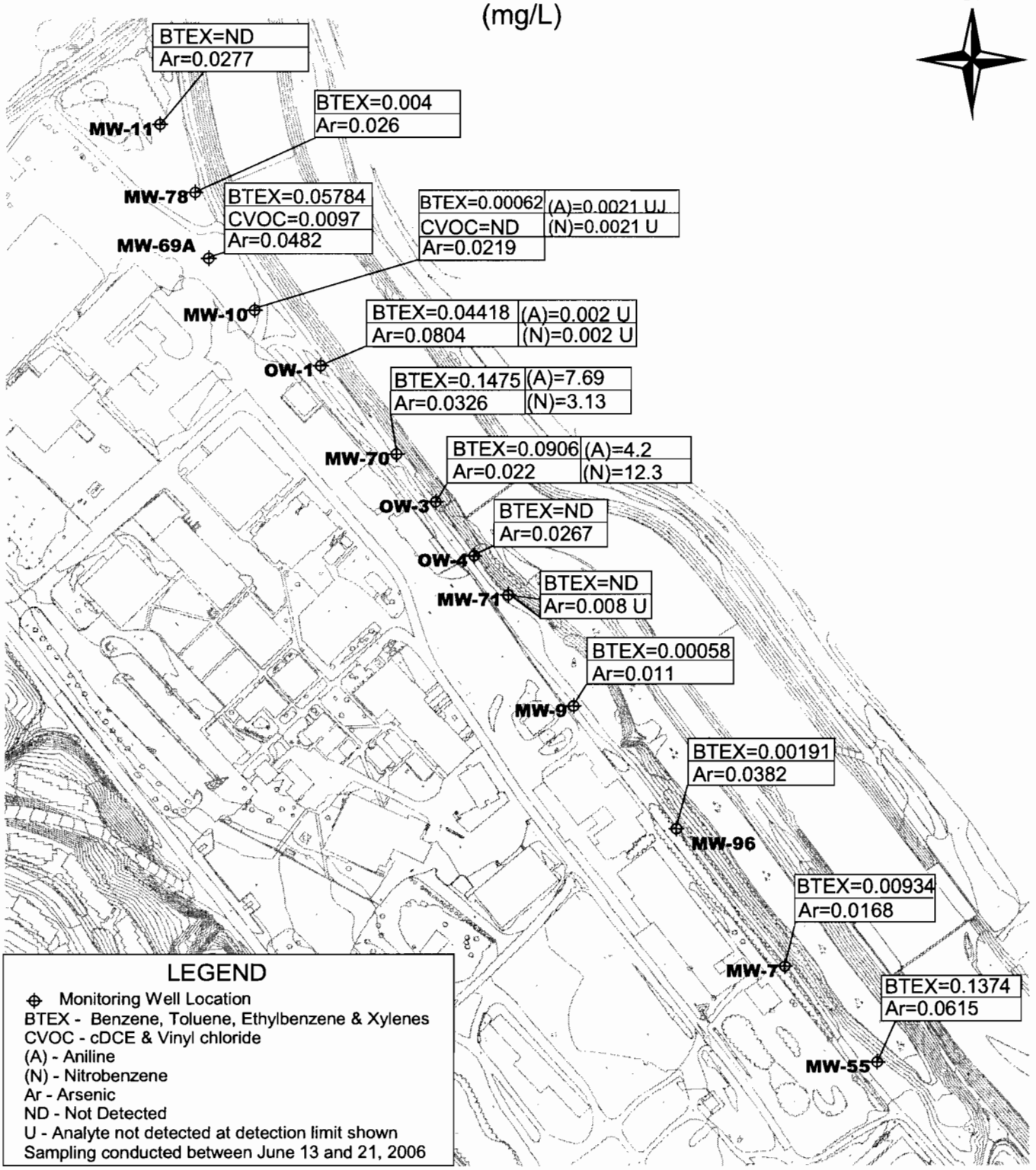
FIGURE NO.	1
PROJECT	WELLSVILLE OU2
DOCUMENT NO.	2006 OU2 REPORT
FILE NO.	FIG1-SITELOC.MXD

GROUNDWATER TREATMENT PROCESS FLOW DIAGRAM



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

2006 GROUNDWATER ANALYTICAL RESULTS
(mg/L)



LEGEND

- ⊕ Monitoring Well Location
- BTEX - Benzene, Toluene, Ethylbenzene & Xylenes
- CVOC - cDCE & Vinyl chloride
- (A) - Aniline
- (N) - Nitrobenzene
- Ar - Arsenic
- ND - Not Detected
- U - Analyte not detected at detection limit shown
- Sampling conducted between June 13 and 21, 2006

150 0 150 300 Feet

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

FIGURE NO.	3
PROJECT	Wellsville OU2
DOCUMENT	2006 OU2 Annual Report
FILE NO.	FIG3.APR

Figure 4
Northern Area
Groundwater Total BTEX Concentrations

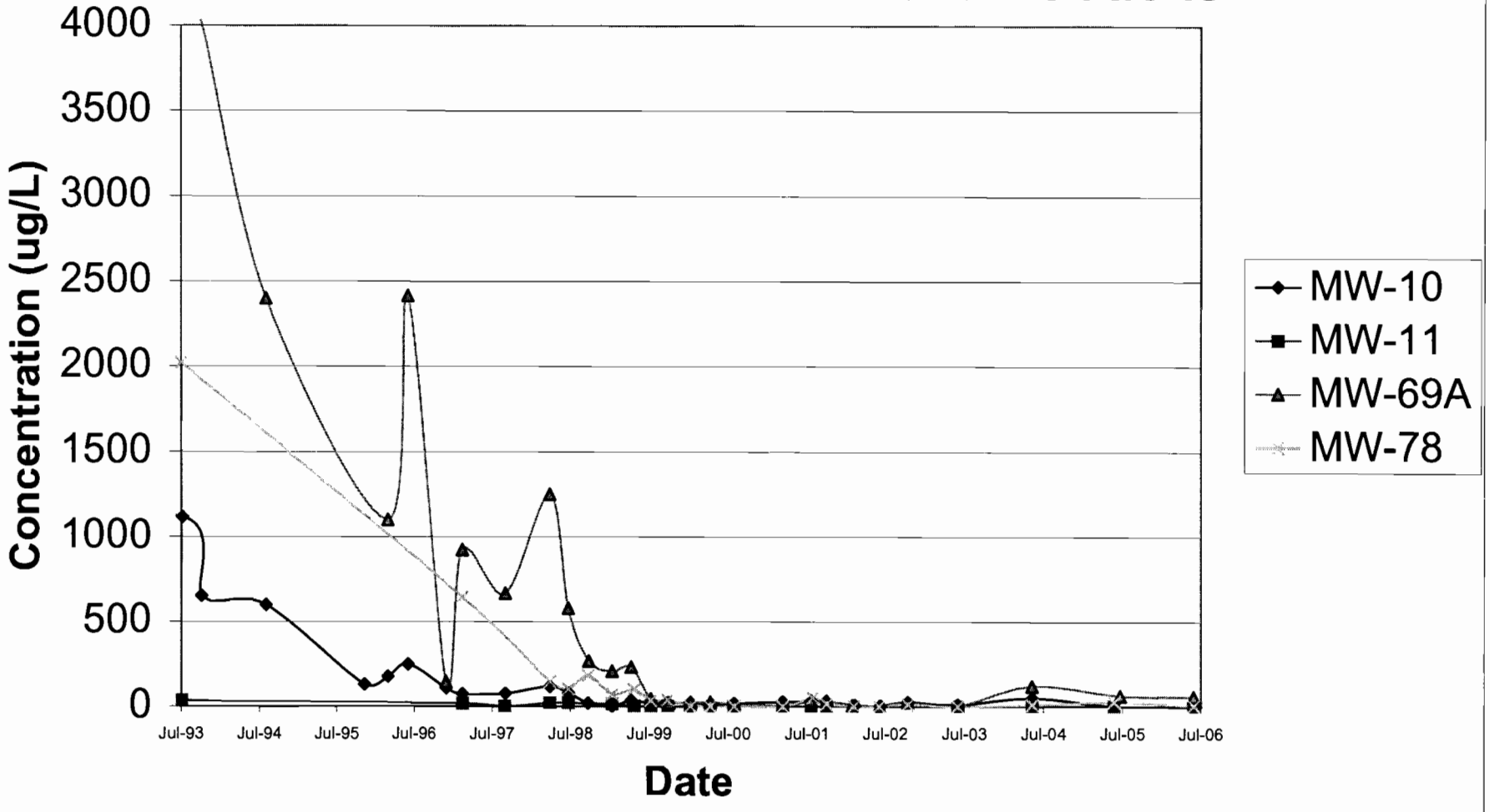


Figure 5
Northern Area Groundwater Elevations

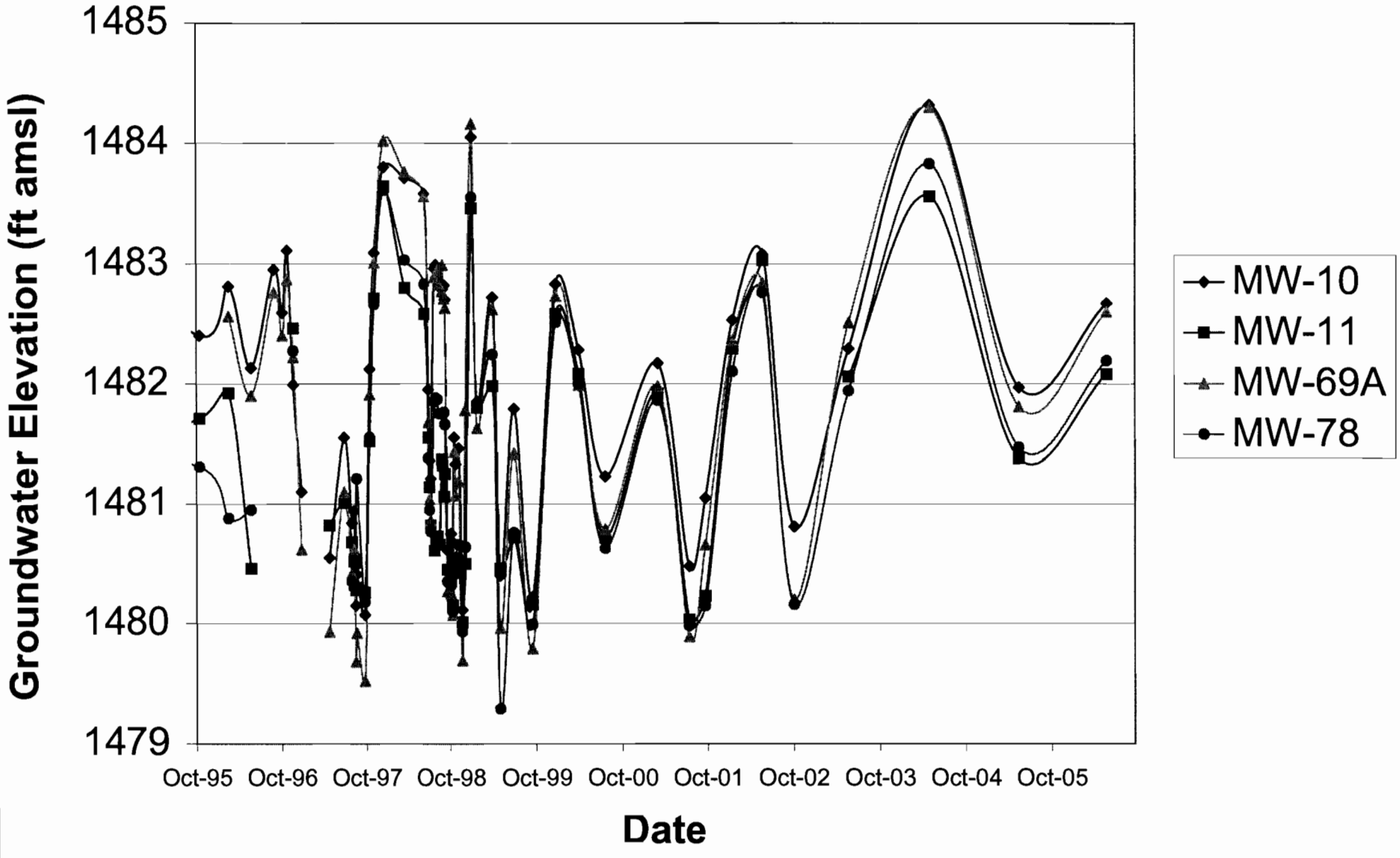


Figure 6
MW-70 Area Groundwater Elevations

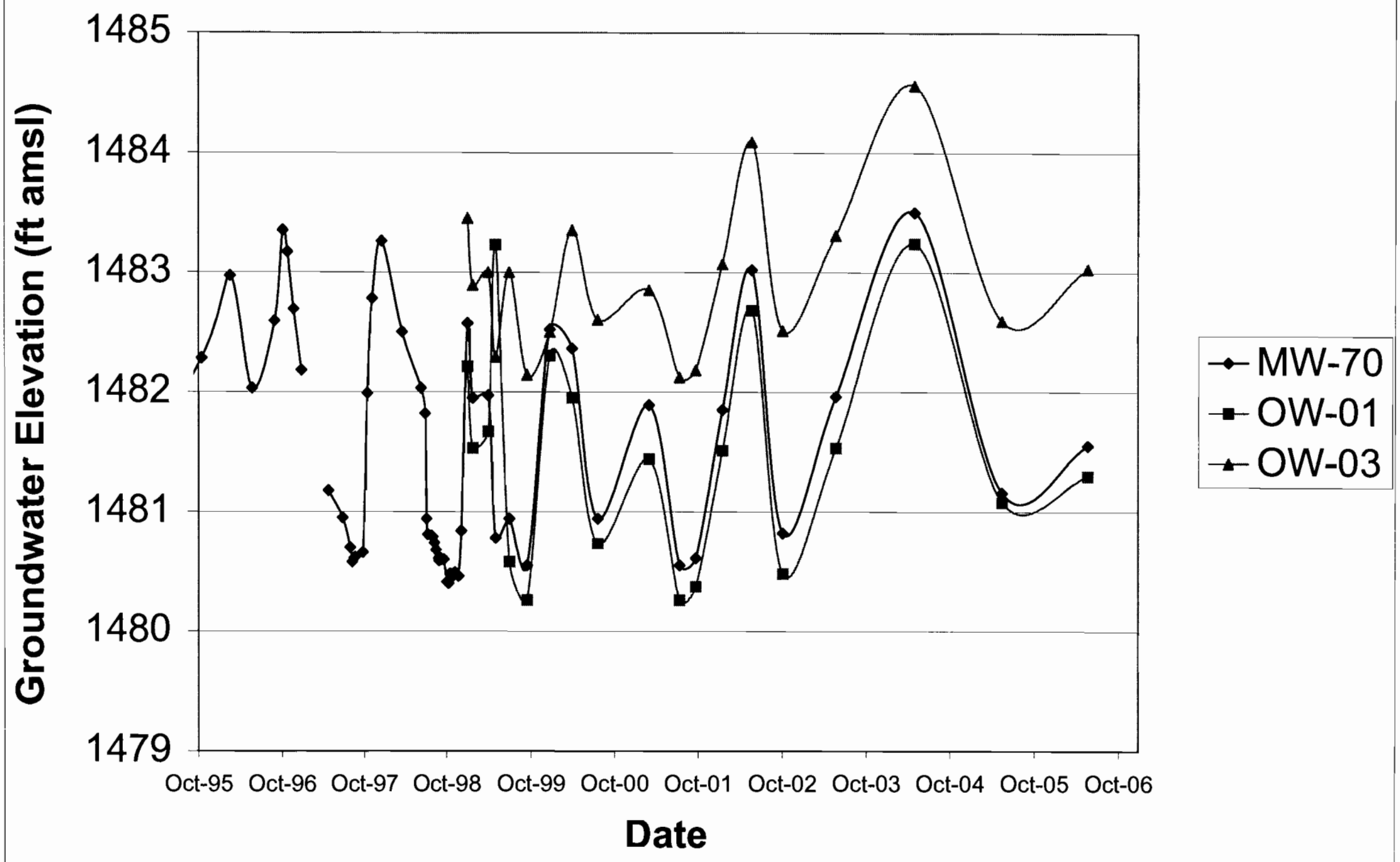


Figure 7
Central Area Groundwater Elevations

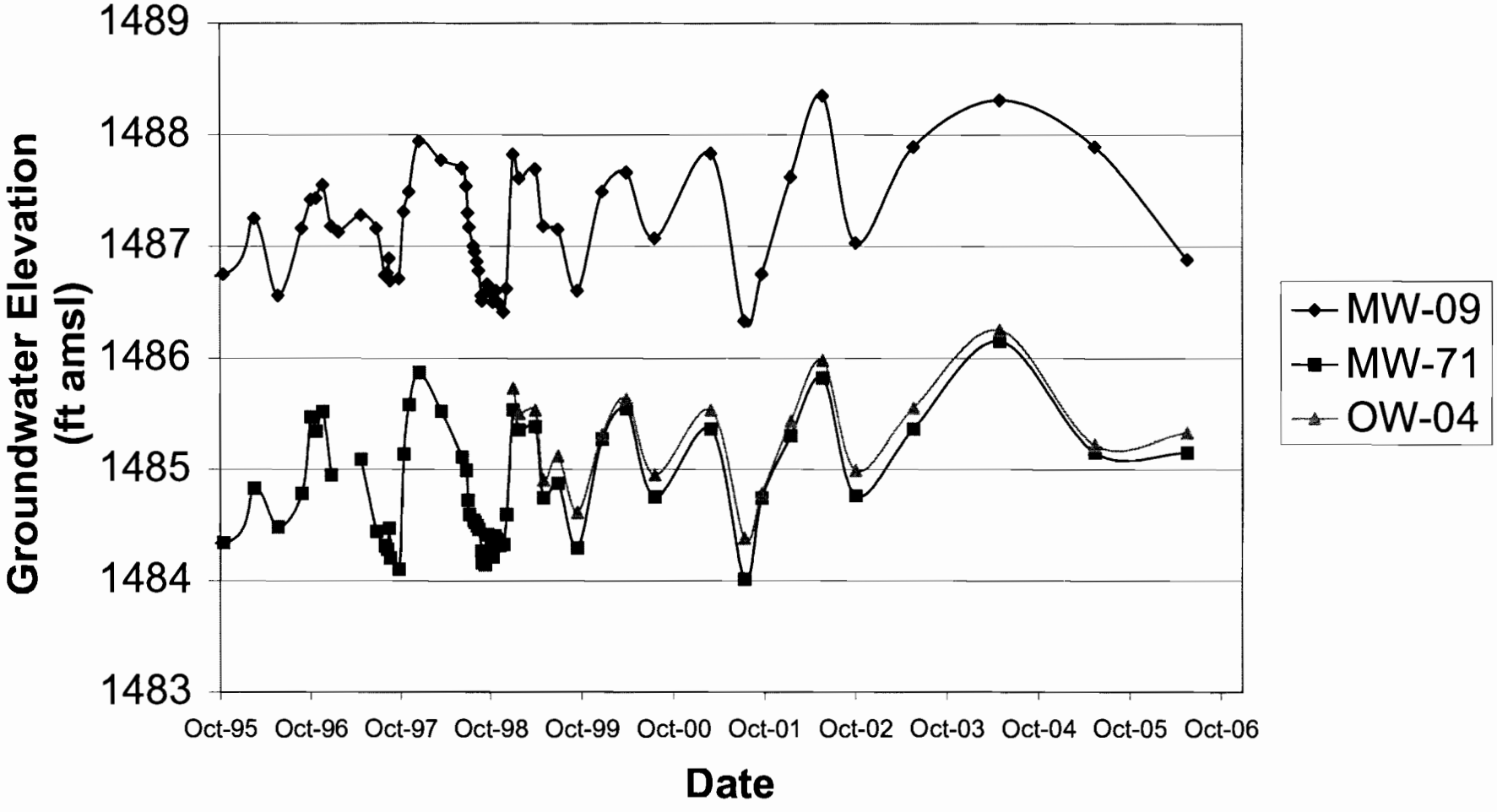
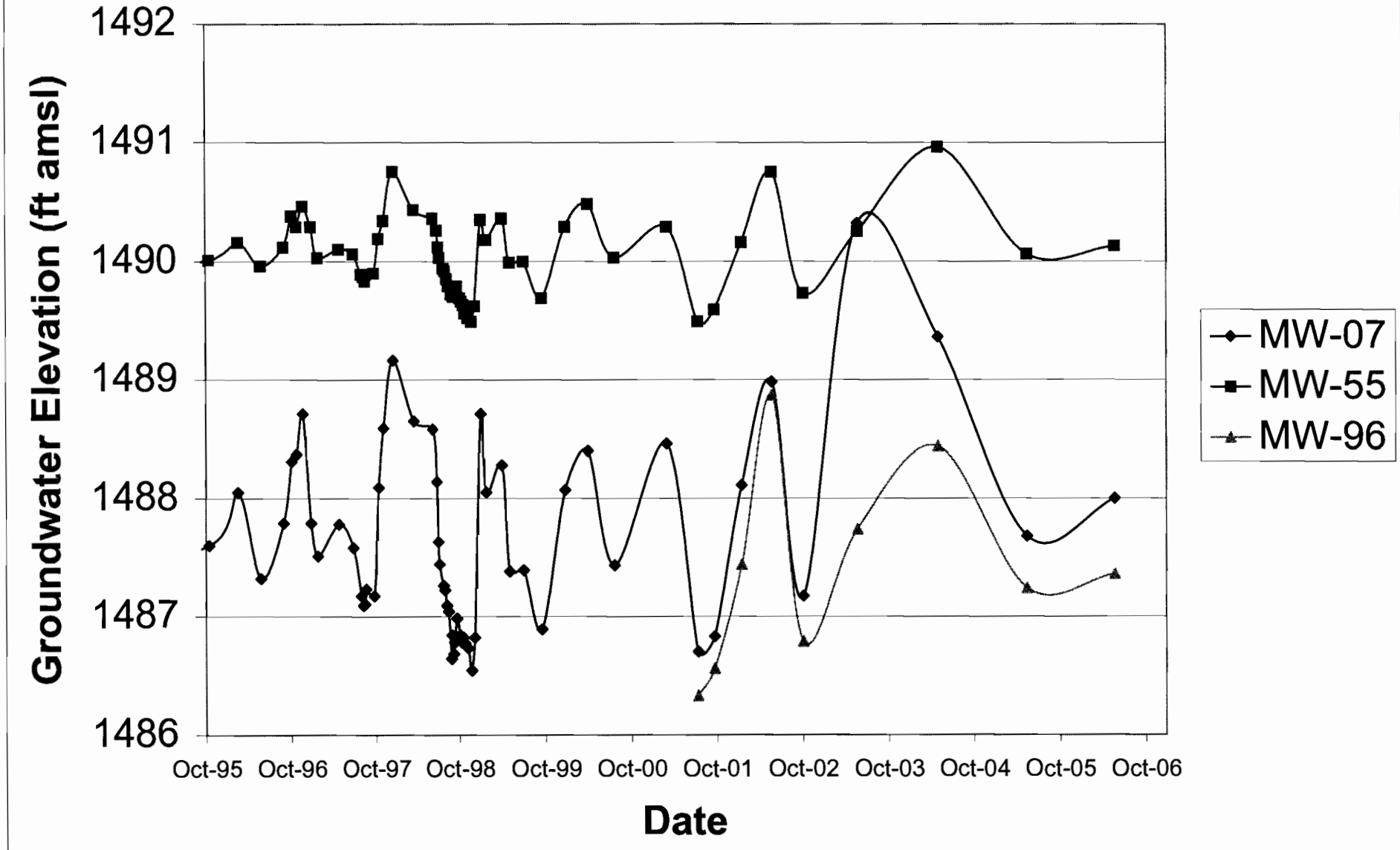


Figure 8
Southern Area Groundwater Elevations



DATA USABILITY SUMMARY REPORT FOR JANUARY 2006 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 4, 2006. These samples were received by Accutest Laboratories (Accutest) within one day of collection on January 5, 2006. 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 # J19642) 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, 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. Therefore, the nondetected cyanide result

for sample SP219-0106 was considered unusable and qualified "R" 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 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 with the exception of MS recoveries and LCS recoveries.

All MS recoveries were compliant and within QC acceptance ranges with the exception of the extremely low recovery for cyanide (25.2%R; QC limit 75-125%R). As a result, the nondetected cyanide result for sample SP219-0106 was considered unusable and qualified "R".

All LCS recoveries were compliant and within QC acceptance ranges with the exception of the high recovery for cyanide (111.6%R; QC limit 90-110%R). Since cyanide was not detected, validation qualification of the samples was not required.

Therefore, the inorganic data and the oil and grease data presented by Accutest were 95.2% complete with all data considered usable and valid.

Analyte	casno	Method	Labsampid	Validation Date	Date Sampled	Sample	Location	Result	Code	RL	Units	Valid Result	Valid Code
Lead, Total	7439-92-1	EPA 200.7	J19642-1	1-Feb-06	04-Jan-06	SP114	0106	3.9		3	ug/l		
Ethylbenzene	100-41-4	EPA 624	J19642-1	1-Feb-06	04-Jan-06	SP114	0106	6.7		1	ug/l		
cis-1,3-Dichloropropene	10061-01-5	EPA 624	J19642-1	1-Feb-06	04-Jan-06	SP114	0106	0	U	1	ug/l		
trans-1,3-Dichloropropene	10061-02-6	EPA 624	J19642-1	1-Feb-06	04-Jan-06	SP114	0106	0	U	1	ug/l		
1,4-Dichlorobenzene	106-46-7	EPA 624	J19642-1	1-Feb-06	04-Jan-06	SP114	0106	0	U	1	ug/l		
1,2-Dichloroethane	107-06-2	EPA 624	J19642-1	1-Feb-06	04-Jan-06	SP114	0106	0	U	1	ug/l		
Toluene	108-88-3	EPA 624	J19642-1	1-Feb-06	04-Jan-06	SP114	0106	6.6		1	ug/l		
Chlorobenzene	108-90-7	EPA 624	J19642-1	1-Feb-06	04-Jan-06	SP114	0106	0.57	J	1	ug/l		
Dibromochloromethane	124-48-1	EPA 624	J19642-1	1-Feb-06	04-Jan-06	SP114	0106	0	U	1	ug/l		
Tetrachloroethene	127-18-4	EPA 624	J19642-1	1-Feb-06	04-Jan-06	SP114	0106	0	U	1	ug/l		
Xylenes (total)	1330-20-7	EPA 624	J19642-1	1-Feb-06	04-Jan-06	SP114	0106	7.8		1	ug/l		
cis-1,2-Dichloroethene	156-59-2	EPA 624	J19642-1	1-Feb-06	04-Jan-06	SP114	0106	107		1	ug/l		
trans-1,2-Dichloroethene	156-60-5	EPA 624	J19642-1	1-Feb-06	04-Jan-06	SP114	0106	1.2		1	ug/l		
1,3-Dichlorobenzene	541-73-1	EPA 624	J19642-1	1-Feb-06	04-Jan-06	SP114	0106	0	U	1	ug/l		
Carbon tetrachloride	56-23-5	EPA 624	J19642-1	1-Feb-06	04-Jan-06	SP114	0106	0	U	1	ug/l		
Chloroform	67-66-3	EPA 624	J19642-1	1-Feb-06	04-Jan-06	SP114	0106	0	U	1	ug/l		
Benzene	71-43-2	EPA 624	J19642-1	1-Feb-06	04-Jan-06	SP114	0106	99.5		1	ug/l		
1,1,1-Trichloroethane	71-55-6	EPA 624	J19642-1	1-Feb-06	04-Jan-06	SP114	0106	5.8		1	ug/l		
Methyl bromide	74-83-9	EPA 624	J19642-1	1-Feb-06	04-Jan-06	SP114	0106	0	U	1	ug/l		
Chloromethane	74-87-3	EPA 624	J19642-1	1-Feb-06	04-Jan-06	SP114	0106	0	U	1	ug/l		
Chloroethane	75-00-3	EPA 624	J19642-1	1-Feb-06	04-Jan-06	SP114	0106	1.4		1	ug/l		
Vinyl chloride	75-01-4	EPA 624	J19642-1	1-Feb-06	04-Jan-06	SP114	0106	89.8		2	ug/l		
Methylene chloride	75-09-2	EPA 624	J19642-1	1-Feb-06	04-Jan-06	SP114	0106	0	U	1	ug/l		
Bromoform	75-25-2	EPA 624	J19642-1	1-Feb-06	04-Jan-06	SP114	0106	0	U	1	ug/l		
Bromodichloromethane	75-27-4	EPA 624	J19642-1	1-Feb-06	04-Jan-06	SP114	0106	0	U	1	ug/l		
1,1-Dichloroethane	75-34-3	EPA 624	J19642-1	1-Feb-06	04-Jan-06	SP114	0106	29.3		1	ug/l		
1,1-Dichloroethene	75-35-4	EPA 624	J19642-1	1-Feb-06	04-Jan-06	SP114	0106	0	U	1	ug/l		
Trichlorofluoromethane	75-69-4	EPA 624	J19642-1	1-Feb-06	04-Jan-06	SP114	0106	0	U	2	ug/l		
Dichlorodifluoromethane	75-71-8	EPA 624	J19642-1	1-Feb-06	04-Jan-06	SP114	0106	0	U	2	ug/l		
1,2-Dichloropropane	78-87-5	EPA 624	J19642-1	1-Feb-06	04-Jan-06	SP114	0106	0	U	1	ug/l		
1,1,2-Trichloroethane	79-00-5	EPA 624	J19642-1	1-Feb-06	04-Jan-06	SP114	0106	0	U	1	ug/l		
Trichloroethene	79-01-6	EPA 624	J19642-1	1-Feb-06	04-Jan-06	SP114	0106	1.2		1	ug/l		
1,1,2,2-Tetrachloroethane	79-34-5	EPA 624	J19642-1	1-Feb-06	04-Jan-06	SP114	0106	0	U	1	ug/l		
1,2-Dichlorobenzene	95-50-1	EPA 624	J19642-1	1-Feb-06	04-Jan-06	SP114	0106	0	U	1	ug/l		
Aluminum, Total	7429-90-5	EPA 200.7	J19642-1	1-Feb-06	04-Jan-06	SP114	0106	0	U	100	ug/l		
Iron, Total	7439-89-6	EPA 200.7	J19642-1	1-Feb-06	04-Jan-06	SP114	0106	46400		100	ug/l		
Nickel, Total	7440-02-0	EPA 200.7	J19642-1	1-Feb-06	04-Jan-06	SP114	0106	65.2		40	ug/l		
Arsenic, Total	7440-38-2	EPA 200.7	J19642-1	1-Feb-06	04-Jan-06	SP114	0106	101		5	ug/l		
Chromium, Total	7440-47-3	EPA 200.7	J19642-1	1-Feb-06	04-Jan-06	SP114	0106	0	U	10	ug/l		
Copper, Total	7440-50-8	EPA 200.7	J19642-1	1-Feb-06	04-Jan-06	SP114	0106	0	U	25	ug/l		
Zinc, Total	7440-66-6	EPA 200.7	J19642-1	1-Feb-06	04-Jan-06	SP114	0106	28.5		20	ug/l		

Analyte	casno	Method	Labsampid	Validation Date	Date Sampled	Sample	Location	Result	Code	RL	Units	Valid Result	Valid Code
Ethylbenzene	100-41-4	EPA 624	J19642-2	1-Feb-06	04-Jan-06	SP217	0106	0	U	1	ug/l		
cis-1,3-Dichloropropene	10061-01-5	EPA 624	J19642-2	1-Feb-06	04-Jan-06	SP217	0106	0	U	1	ug/l		
trans-1,3-Dichloropropene	10061-02-6	EPA 624	J19642-2	1-Feb-06	04-Jan-06	SP217	0106	0	U	1	ug/l		
1,4-Dichlorobenzene	106-46-7	EPA 624	J19642-2	1-Feb-06	04-Jan-06	SP217	0106	0	U	1	ug/l		
1,2-Dichloroethane	107-06-2	EPA 624	J19642-2	1-Feb-06	04-Jan-06	SP217	0106	0	U	1	ug/l		
Toluene	108-88-3	EPA 624	J19642-2	1-Feb-06	04-Jan-06	SP217	0106	0	U	1	ug/l		
Chlorobenzene	108-90-7	EPA 624	J19642-2	1-Feb-06	04-Jan-06	SP217	0106	0	U	1	ug/l		
Dibromochloromethane	124-48-1	EPA 624	J19642-2	1-Feb-06	04-Jan-06	SP217	0106	0	U	1	ug/l		
Tetrachloroethene	127-18-4	EPA 624	J19642-2	1-Feb-06	04-Jan-06	SP217	0106	0	U	1	ug/l		
Xylenes (total)	1330-20-7	EPA 624	J19642-2	1-Feb-06	04-Jan-06	SP217	0106	0	U	1	ug/l		
cis-1,2-Dichloroethene	156-59-2	EPA 624	J19642-2	1-Feb-06	04-Jan-06	SP217	0106	7.4		1	ug/l		
trans-1,2-Dichloroethene	156-60-5	EPA 624	J19642-2	1-Feb-06	04-Jan-06	SP217	0106	0	U	1	ug/l		
1,3-Dichlorobenzene	541-73-1	EPA 624	J19642-2	1-Feb-06	04-Jan-06	SP217	0106	0	U	1	ug/l		
Carbon tetrachloride	56-23-5	EPA 624	J19642-2	1-Feb-06	04-Jan-06	SP217	0106	0	U	1	ug/l		
Chloroform	67-66-3	EPA 624	J19642-2	1-Feb-06	04-Jan-06	SP217	0106	1.3		1	ug/l		
Benzene	71-43-2	EPA 624	J19642-2	1-Feb-06	04-Jan-06	SP217	0106	0	U	1	ug/l		
1,1,1-Trichloroethane	71-55-6	EPA 624	J19642-2	1-Feb-06	04-Jan-06	SP217	0106	0.46	J	1	ug/l		
Methyl bromide	74-83-9	EPA 624	J19642-2	1-Feb-06	04-Jan-06	SP217	0106	0	U	1	ug/l		
Chloromethane	74-87-3	EPA 624	J19642-2	1-Feb-06	04-Jan-06	SP217	0106	0	U	1	ug/l		
Chloroethane	75-00-3	EPA 624	J19642-2	1-Feb-06	04-Jan-06	SP217	0106	0	U	1	ug/l		
Vinyl chloride	75-01-4	EPA 624	J19642-2	1-Feb-06	04-Jan-06	SP217	0106	1.7	J	2	ug/l		
Methylene chloride	75-09-2	EPA 624	J19642-2	1-Feb-06	04-Jan-06	SP217	0106	0	U	1	ug/l		
Bromoform	75-25-2	EPA 624	J19642-2	1-Feb-06	04-Jan-06	SP217	0106	0	U	1	ug/l		
Bromodichloromethane	75-27-4	EPA 624	J19642-2	1-Feb-06	04-Jan-06	SP217	0106	0.39	J	1	ug/l		
1,1-Dichloroethane	75-34-3	EPA 624	J19642-2	1-Feb-06	04-Jan-06	SP217	0106	3.6		1	ug/l		
1,1-Dichloroethene	75-35-4	EPA 624	J19642-2	1-Feb-06	04-Jan-06	SP217	0106	0	U	1	ug/l		
Trichlorofluoromethane	75-69-4	EPA 624	J19642-2	1-Feb-06	04-Jan-06	SP217	0106	0	U	2	ug/l		
Dichlorodifluoromethane	75-71-8	EPA 624	J19642-2	1-Feb-06	04-Jan-06	SP217	0106	0	U	2	ug/l		
1,2-Dichloropropane	78-87-5	EPA 624	J19642-2	1-Feb-06	04-Jan-06	SP217	0106	0	U	1	ug/l		
1,1,2-Trichloroethane	79-00-5	EPA 624	J19642-2	1-Feb-06	04-Jan-06	SP217	0106	0	U	1	ug/l		
Trichloroethene	79-01-6	EPA 624	J19642-2	1-Feb-06	04-Jan-06	SP217	0106	0	U	1	ug/l		
1,1,2,2-Tetrachloroethane	79-34-5	EPA 624	J19642-2	1-Feb-06	04-Jan-06	SP217	0106	0	U	1	ug/l		
1,2-Dichlorobenzene	95-50-1	EPA 624	J19642-2	1-Feb-06	04-Jan-06	SP217	0106	0	U	1	ug/l		

Analyte	casno	Method	Labsampid	Validation Date	Date Sampled	Sample	Location	Result	Code	RL	Units	Valid Result	Valid Code
Lead, Total	7439-92-1	EPA 200.7	J19642-3	1-Feb-06	04-Jan-06	SP219	0106	0	U	3	ug/l		
pH		EPA 150.1	J19642-3	1-Feb-06	04-Jan-06	SP219	0106	7.35			su		
Oil And Grease		EPA 1664A	J19642-3	1-Feb-06	04-Jan-06	SP219	0106	0	U	5.1	mg/l		
Cyanide	57-12-5	EPA 335.3	J19642-3	1-Feb-06	04-Jan-06	SP219	0106	0	U	0.01	mg/l		R
Ethylbenzene	100-41-4	EPA 624	J19642-3	1-Feb-06	04-Jan-06	SP219	0106	0	U	1	ug/l		
cis-1,3-Dichloropropene	10061-01-5	EPA 624	J19642-3	1-Feb-06	04-Jan-06	SP219	0106	0	U	1	ug/l		
trans-1,3-Dichloropropene	10061-02-6	EPA 624	J19642-3	1-Feb-06	04-Jan-06	SP219	0106	0	U	1	ug/l		
1,4-Dichlorobenzene	106-46-7	EPA 624	J19642-3	1-Feb-06	04-Jan-06	SP219	0106	0	U	1	ug/l		
1,2-Dichloroethane	107-06-2	EPA 624	J19642-3	1-Feb-06	04-Jan-06	SP219	0106	0	U	1	ug/l		
Toluene	108-88-3	EPA 624	J19642-3	1-Feb-06	04-Jan-06	SP219	0106	0	U	1	ug/l		
Chlorobenzene	108-90-7	EPA 624	J19642-3	1-Feb-06	04-Jan-06	SP219	0106	0	U	1	ug/l		
Dibromochloromethane	124-48-1	EPA 624	J19642-3	1-Feb-06	04-Jan-06	SP219	0106	0	U	1	ug/l		
Tetrachloroethene	127-18-4	EPA 624	J19642-3	1-Feb-06	04-Jan-06	SP219	0106	0	U	1	ug/l		
Xylenes (total)	1330-20-7	EPA 624	J19642-3	1-Feb-06	04-Jan-06	SP219	0106	0	U	1	ug/l		
cis-1,2-Dichloroethene	156-59-2	EPA 624	J19642-3	1-Feb-06	04-Jan-06	SP219	0106	0.36	J	1	ug/l		
trans-1,2-Dichloroethene	156-60-5	EPA 624	J19642-3	1-Feb-06	04-Jan-06	SP219	0106	0	U	1	ug/l		
1,3-Dichlorobenzene	541-73-1	EPA 624	J19642-3	1-Feb-06	04-Jan-06	SP219	0106	0	U	1	ug/l		
Carbon tetrachloride	56-23-5	EPA 624	J19642-3	1-Feb-06	04-Jan-06	SP219	0106	0	U	1	ug/l		
Chloroform	67-66-3	EPA 624	J19642-3	1-Feb-06	04-Jan-06	SP219	0106	0.48	J	1	ug/l		
Benzene	71-43-2	EPA 624	J19642-3	1-Feb-06	04-Jan-06	SP219	0106	0	U	1	ug/l		
1,1,1-Trichloroethane	71-55-6	EPA 624	J19642-3	1-Feb-06	04-Jan-06	SP219	0106	0	U	1	ug/l		
Methyl bromide	74-83-9	EPA 624	J19642-3	1-Feb-06	04-Jan-06	SP219	0106	0	U	1	ug/l		
Chloromethane	74-87-3	EPA 624	J19642-3	1-Feb-06	04-Jan-06	SP219	0106	0	U	1	ug/l		
Chloroethane	75-00-3	EPA 624	J19642-3	1-Feb-06	04-Jan-06	SP219	0106	0	U	1	ug/l		
Vinyl chloride	75-01-4	EPA 624	J19642-3	1-Feb-06	04-Jan-06	SP219	0106	1	J	2	ug/l		
Methylene chloride	75-09-2	EPA 624	J19642-3	1-Feb-06	04-Jan-06	SP219	0106	0	U	1	ug/l		
Bromoform	75-25-2	EPA 624	J19642-3	1-Feb-06	04-Jan-06	SP219	0106	0	U	1	ug/l		
Bromodichloromethane	75-27-4	EPA 624	J19642-3	1-Feb-06	04-Jan-06	SP219	0106	0	U	1	ug/l		
1,1-Dichloroethane	75-34-3	EPA 624	J19642-3	1-Feb-06	04-Jan-06	SP219	0106	1.2		1	ug/l		
1,1-Dichloroethene	75-35-4	EPA 624	J19642-3	1-Feb-06	04-Jan-06	SP219	0106	0	U	1	ug/l		
Trichlorofluoromethane	75-69-4	EPA 624	J19642-3	1-Feb-06	04-Jan-06	SP219	0106	0	U	2	ug/l		
Dichlorodifluoromethane	75-71-8	EPA 624	J19642-3	1-Feb-06	04-Jan-06	SP219	0106	0	U	2	ug/l		
1,2-Dichloropropane	78-87-5	EPA 624	J19642-3	1-Feb-06	04-Jan-06	SP219	0106	0	U	1	ug/l		
1,1,2-Trichloroethane	79-00-5	EPA 624	J19642-3	1-Feb-06	04-Jan-06	SP219	0106	0	U	1	ug/l		
Trichloroethene	79-01-6	EPA 624	J19642-3	1-Feb-06	04-Jan-06	SP219	0106	0	U	1	ug/l		
1,1,2,2-Tetrachloroethane	79-34-5	EPA 624	J19642-3	1-Feb-06	04-Jan-06	SP219	0106	0	U	1	ug/l		
1,2-Dichlorobenzene	95-50-1	EPA 624	J19642-3	1-Feb-06	04-Jan-06	SP219	0106	0	U	1	ug/l		
Aluminum, Total	7429-90-5	EPA 200.7	J19642-3	1-Feb-06	04-Jan-06	SP219	0106	0	U	100	ug/l		
Iron, Total	7439-89-6	EPA 200.7	J19642-3	1-Feb-06	04-Jan-06	SP219	0106	148		100	ug/l		
Nickel, Total	7440-02-0	EPA 200.7	J19642-3	1-Feb-06	04-Jan-06	SP219	0106	0	U	40	ug/l		
Arsenic, Total	7440-38-2	EPA 200.7	J19642-3	1-Feb-06	04-Jan-06	SP219	0106	0	U	5	ug/l		
Chromium, Total	7440-47-3	EPA 200.7	J19642-3	1-Feb-06	04-Jan-06	SP219	0106	0	U	10	ug/l		
Copper, Total	7440-50-8	EPA 200.7	J19642-3	1-Feb-06	04-Jan-06	SP219	0106	0	U	25	ug/l		

Analyte	casno	Method	Labsampid	Validation Date	Date Sampled	Sample	Location	Result	Code	RL	Units	Valid Result	Valid Code
Zinc, Total	7440-66-6	EPA 200.7	J19642-3	1-Feb-06	04-Jan-06	SP219	0106	0	U	20	ug/l		

Analyte	casno	Method	Labsampid	Validation Date	Date Sampled	Sample	Location	Result	Code	RL	Units	Valid Result	Valid Code
Ethylbenzene	100-41-4	EPA 624	J19642-4	1-Feb-06	04-Jan-06	UNK	TRIP BLANK	0	U	1	ug/l		
cis-1,3-Dichloropropene	10061-01-5	EPA 624	J19642-4	1-Feb-06	04-Jan-06	UNK	TRIP BLANK	0	U	1	ug/l		
trans-1,3-Dichloropropene	10061-02-6	EPA 624	J19642-4	1-Feb-06	04-Jan-06	UNK	TRIP BLANK	0	U	1	ug/l		
1,4-Dichlorobenzene	106-46-7	EPA 624	J19642-4	1-Feb-06	04-Jan-06	UNK	TRIP BLANK	0	U	1	ug/l		
1,2-Dichloroethane	107-06-2	EPA 624	J19642-4	1-Feb-06	04-Jan-06	UNK	TRIP BLANK	0	U	1	ug/l		
Toluene	108-88-3	EPA 624	J19642-4	1-Feb-06	04-Jan-06	UNK	TRIP BLANK	0	U	1	ug/l		
Chlorobenzene	108-90-7	EPA 624	J19642-4	1-Feb-06	04-Jan-06	UNK	TRIP BLANK	0	U	1	ug/l		
Dibromochloromethane	124-48-1	EPA 624	J19642-4	1-Feb-06	04-Jan-06	UNK	TRIP BLANK	0	U	1	ug/l		
Tetrachloroethene	127-18-4	EPA 624	J19642-4	1-Feb-06	04-Jan-06	UNK	TRIP BLANK	0	U	1	ug/l		
Xylenes (total)	1330-20-7	EPA 624	J19642-4	1-Feb-06	04-Jan-06	UNK	TRIP BLANK	0	U	1	ug/l		
cis-1,2-Dichloroethene	156-59-2	EPA 624	J19642-4	1-Feb-06	04-Jan-06	UNK	TRIP BLANK	0	U	1	ug/l		
trans-1,2-Dichloroethene	156-60-5	EPA 624	J19642-4	1-Feb-06	04-Jan-06	UNK	TRIP BLANK	0	U	1	ug/l		
1,3-Dichlorobenzene	541-73-1	EPA 624	J19642-4	1-Feb-06	04-Jan-06	UNK	TRIP BLANK	0	U	1	ug/l		
Carbon tetrachloride	56-23-5	EPA 624	J19642-4	1-Feb-06	04-Jan-06	UNK	TRIP BLANK	0	U	1	ug/l		
Chloroform	67-66-3	EPA 624	J19642-4	1-Feb-06	04-Jan-06	UNK	TRIP BLANK	0	U	1	ug/l		
Benzene	71-43-2	EPA 624	J19642-4	1-Feb-06	04-Jan-06	UNK	TRIP BLANK	0	U	1	ug/l		
1,1,1-Trichloroethane	71-55-6	EPA 624	J19642-4	1-Feb-06	04-Jan-06	UNK	TRIP BLANK	0	U	1	ug/l		
Methyl bromide	74-83-9	EPA 624	J19642-4	1-Feb-06	04-Jan-06	UNK	TRIP BLANK	0	U	1	ug/l		
Chloromethane	74-87-3	EPA 624	J19642-4	1-Feb-06	04-Jan-06	UNK	TRIP BLANK	0	U	1	ug/l		
Chloroethane	75-00-3	EPA 624	J19642-4	1-Feb-06	04-Jan-06	UNK	TRIP BLANK	0	U	1	ug/l		
Vinyl chloride	75-01-4	EPA 624	J19642-4	1-Feb-06	04-Jan-06	UNK	TRIP BLANK	0	U	2	ug/l		
Methylene chloride	75-09-2	EPA 624	J19642-4	1-Feb-06	04-Jan-06	UNK	TRIP BLANK	0	U	1	ug/l		
Bromoform	75-25-2	EPA 624	J19642-4	1-Feb-06	04-Jan-06	UNK	TRIP BLANK	0	U	1	ug/l		
Bromodichloromethane	75-27-4	EPA 624	J19642-4	1-Feb-06	04-Jan-06	UNK	TRIP BLANK	0	U	1	ug/l		
1,1-Dichloroethane	75-34-3	EPA 624	J19642-4	1-Feb-06	04-Jan-06	UNK	TRIP BLANK	0	U	1	ug/l		
1,1-Dichloroethene	75-35-4	EPA 624	J19642-4	1-Feb-06	04-Jan-06	UNK	TRIP BLANK	0	U	1	ug/l		
Trichlorofluoromethane	75-69-4	EPA 624	J19642-4	1-Feb-06	04-Jan-06	UNK	TRIP BLANK	0	U	2	ug/l		
Dichlorodifluoromethane	75-71-8	EPA 624	J19642-4	1-Feb-06	04-Jan-06	UNK	TRIP BLANK	0	U	2	ug/l		
1,2-Dichloropropane	78-87-5	EPA 624	J19642-4	1-Feb-06	04-Jan-06	UNK	TRIP BLANK	0	U	1	ug/l		
1,1,2-Trichloroethane	79-00-5	EPA 624	J19642-4	1-Feb-06	04-Jan-06	UNK	TRIP BLANK	0	U	1	ug/l		
Trichloroethene	79-01-6	EPA 624	J19642-4	1-Feb-06	04-Jan-06	UNK	TRIP BLANK	0	U	1	ug/l		
1,1,2,2-Tetrachloroethane	79-34-5	EPA 624	J19642-4	1-Feb-06	04-Jan-06	UNK	TRIP BLANK	0	U	1	ug/l		
1,2-Dichlorobenzene	95-50-1	EPA 624	J19642-4	1-Feb-06	04-Jan-06	UNK	TRIP BLANK	0	U	1	ug/l		
Aluminum, Dissolved	7429-90-5	EPA 200.7	J19642-1F	1-Feb-06	04-Jan-06	SP114	0106	0	U	100	ug/l		
Aluminum, Dissolved	7429-90-5	EPA 200.7	J19642-3F	1-Feb-06	04-Jan-06	SP219	0106	0	U	100	ug/l		

DATA USABILITY SUMMARY REPORT FOR FEBRUARY 2006 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 February 2, 2006. These samples were received by Accutest Laboratories (Accutest) within one day of collection on February 3, 2006. 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 # J21855) 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, 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
Lead, Total	7439-92-1	EPA 200.7	J21855-3	02-Feb-06	03-Apr-06	SP219	0206	0	U	3	ug/l		
Cyanide	57-12-5	EPA 335.3	J21855-3	02-Feb-06	03-Apr-06	SP219	0206	0	U	0.01	mg/l		
Aluminum, Total	7429-90-5	EPA 200.7	J21855-3	02-Feb-06	03-Apr-06	SP219	0206	0	U	100	ug/l		
Iron, Total	7439-89-6	EPA 200.7	J21855-3	02-Feb-06	03-Apr-06	SP219	0206	123		100	ug/l		
Nickel, Total	7440-02-0	EPA 200.7	J21855-3	02-Feb-06	03-Apr-06	SP219	0206	0	U	40	ug/l		
Arsenic, Total	7440-38-2	EPA 200.7	J21855-3	02-Feb-06	03-Apr-06	SP219	0206	0	U	8	ug/l		
Chromium, Total	7440-47-3	EPA 200.7	J21855-3	02-Feb-06	03-Apr-06	SP219	0206	0	U	10	ug/l		
Copper, Total	7440-50-8	EPA 200.7	J21855-3	02-Feb-06	03-Apr-06	SP219	0206	0	U	25	ug/l		
Zinc, Total	7440-66-6	EPA 200.7	J21855-3	02-Feb-06	03-Apr-06	SP219	0206	0	U	20	ug/l		
Oil And Grease		EPA 1664A	J21855-3	02-Feb-06	03-Apr-06	SP219	0206	0	U	5.1	mg/l		
Ethylbenzene	100-41-4	EPA 624	J21855-3	02-Feb-06	03-Apr-06	SP219	0206	0	U	1	ug/l		
cis-1,3-Dichloropropene	10061-01-5	EPA 624	J21855-3	02-Feb-06	03-Apr-06	SP219	0206	0	U	1	ug/l		
trans-1,3-Dichloropropene	10061-02-6	EPA 624	J21855-3	02-Feb-06	03-Apr-06	SP219	0206	0	U	1	ug/l		
1,4-Dichlorobenzene	106-46-7	EPA 624	J21855-3	02-Feb-06	03-Apr-06	SP219	0206	0	U	1	ug/l		
1,2-Dichloroethane	107-06-2	EPA 624	J21855-3	02-Feb-06	03-Apr-06	SP219	0206	0	U	1	ug/l		
Toluene	108-88-3	EPA 624	J21855-3	02-Feb-06	03-Apr-06	SP219	0206	0	U	1	ug/l		
Chlorobenzene	108-90-7	EPA 624	J21855-3	02-Feb-06	03-Apr-06	SP219	0206	0	U	1	ug/l		
Dibromochloromethane	124-48-1	EPA 624	J21855-3	02-Feb-06	03-Apr-06	SP219	0206	0	U	1	ug/l		
Tetrachloroethene	127-18-4	EPA 624	J21855-3	02-Feb-06	03-Apr-06	SP219	0206	0	U	1	ug/l		
Xylenes (total)	1330-20-7	EPA 624	J21855-3	02-Feb-06	03-Apr-06	SP219	0206	0	U	1	ug/l		
cis-1,2-Dichloroethene	156-59-2	EPA 624	J21855-3	02-Feb-06	03-Apr-06	SP219	0206	0.59	J	1	ug/l		
trans-1,2-Dichloroethene	156-60-5	EPA 624	J21855-3	02-Feb-06	03-Apr-06	SP219	0206	0	U	1	ug/l		
1,3-Dichlorobenzene	541-73-1	EPA 624	J21855-3	02-Feb-06	03-Apr-06	SP219	0206	0	U	1	ug/l		
Carbon tetrachloride	56-23-5	EPA 624	J21855-3	02-Feb-06	03-Apr-06	SP219	0206	0	U	1	ug/l		
Chloroform	67-66-3	EPA 624	J21855-3	02-Feb-06	03-Apr-06	SP219	0206	0.59	J	1	ug/l		
Benzene	71-43-2	EPA 624	J21855-3	02-Feb-06	03-Apr-06	SP219	0206	0	U	1	ug/l		
1,1,1-Trichloroethane	71-55-6	EPA 624	J21855-3	02-Feb-06	03-Apr-06	SP219	0206	0	U	1	ug/l		
Methyl bromide	74-83-9	EPA 624	J21855-3	02-Feb-06	03-Apr-06	SP219	0206	0	U	1	ug/l		
Chloromethane	74-87-3	EPA 624	J21855-3	02-Feb-06	03-Apr-06	SP219	0206	0	U	1	ug/l		
Chloroethane	75-00-3	EPA 624	J21855-3	02-Feb-06	03-Apr-06	SP219	0206	0	U	1	ug/l		
Vinyl chloride	75-01-4	EPA 624	J21855-3	02-Feb-06	03-Apr-06	SP219	0206	1.1	J	2	ug/l		
Methylene chloride	75-09-2	EPA 624	J21855-3	02-Feb-06	03-Apr-06	SP219	0206	0	U	1	ug/l		
Bromoform	75-25-2	EPA 624	J21855-3	02-Feb-06	03-Apr-06	SP219	0206	0	U	1	ug/l		
Bromodichloromethane	75-27-4	EPA 624	J21855-3	02-Feb-06	03-Apr-06	SP219	0206	0	U	1	ug/l		
1,1-Dichloroethane	75-34-3	EPA 624	J21855-3	02-Feb-06	03-Apr-06	SP219	0206	1.2		1	ug/l		
1,1-Dichloroethene	75-35-4	EPA 624	J21855-3	02-Feb-06	03-Apr-06	SP219	0206	0	U	1	ug/l		
Trichlorofluoromethane	75-69-4	EPA 624	J21855-3	02-Feb-06	03-Apr-06	SP219	0206	0	U	2	ug/l		
Dichlorodifluoromethane	75-71-8	EPA 624	J21855-3	02-Feb-06	03-Apr-06	SP219	0206	0	U	2	ug/l		
1,2-Dichloropropane	78-87-5	EPA 624	J21855-3	02-Feb-06	03-Apr-06	SP219	0206	0	U	1	ug/l		
1,1,2-Trichloroethane	79-00-5	EPA 624	J21855-3	02-Feb-06	03-Apr-06	SP219	0206	0	U	1	ug/l		
Trichloroethene	79-01-6	EPA 624	J21855-3	02-Feb-06	03-Apr-06	SP219	0206	0	U	1	ug/l		
1,1,2,2-Tetrachloroethane	79-34-5	EPA 624	J21855-3	02-Feb-06	03-Apr-06	SP219	0206	0	U	1	ug/l		
1,2-Dichlorobenzene	95-50-1	EPA 624	J21855-3	02-Feb-06	03-Apr-06	SP219	0206	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	J21855-4	02-Feb-06	03-Apr-06	UNK	TRIP BLANK	0	U	1	ug/l		
cis-1,3-Dichloropropene	10061-01-5	EPA 624	J21855-4	02-Feb-06	03-Apr-06	UNK	TRIP BLANK	0	U	1	ug/l		
trans-1,3-Dichloropropene	10061-02-6	EPA 624	J21855-4	02-Feb-06	03-Apr-06	UNK	TRIP BLANK	0	U	1	ug/l		
1,4-Dichlorobenzene	106-46-7	EPA 624	J21855-4	02-Feb-06	03-Apr-06	UNK	TRIP BLANK	0	U	1	ug/l		
1,2-Dichloroethane	107-06-2	EPA 624	J21855-4	02-Feb-06	03-Apr-06	UNK	TRIP BLANK	0	U	1	ug/l		
Toluene	108-88-3	EPA 624	J21855-4	02-Feb-06	03-Apr-06	UNK	TRIP BLANK	0	U	1	ug/l		
Chlorobenzene	108-90-7	EPA 624	J21855-4	02-Feb-06	03-Apr-06	UNK	TRIP BLANK	0	U	1	ug/l		
Dibromochloromethane	124-48-1	EPA 624	J21855-4	02-Feb-06	03-Apr-06	UNK	TRIP BLANK	0	U	1	ug/l		
Tetrachloroethene	127-18-4	EPA 624	J21855-4	02-Feb-06	03-Apr-06	UNK	TRIP BLANK	0	U	1	ug/l		
Xylenes (total)	1330-20-7	EPA 624	J21855-4	02-Feb-06	03-Apr-06	UNK	TRIP BLANK	0	U	1	ug/l		
cis-1,2-Dichloroethene	156-59-2	EPA 624	J21855-4	02-Feb-06	03-Apr-06	UNK	TRIP BLANK	0	U	1	ug/l		
trans-1,2-Dichloroethene	156-60-5	EPA 624	J21855-4	02-Feb-06	03-Apr-06	UNK	TRIP BLANK	0	U	1	ug/l		
1,3-Dichlorobenzene	541-73-1	EPA 624	J21855-4	02-Feb-06	03-Apr-06	UNK	TRIP BLANK	0	U	1	ug/l		
Carbon tetrachloride	56-23-5	EPA 624	J21855-4	02-Feb-06	03-Apr-06	UNK	TRIP BLANK	0	U	1	ug/l		
Chloroform	67-66-3	EPA 624	J21855-4	02-Feb-06	03-Apr-06	UNK	TRIP BLANK	0	U	1	ug/l		
Benzene	71-43-2	EPA 624	J21855-4	02-Feb-06	03-Apr-06	UNK	TRIP BLANK	0	U	1	ug/l		
1,1,1-Trichloroethane	71-55-6	EPA 624	J21855-4	02-Feb-06	03-Apr-06	UNK	TRIP BLANK	0	U	1	ug/l		
Methyl bromide	74-83-9	EPA 624	J21855-4	02-Feb-06	03-Apr-06	UNK	TRIP BLANK	0	U	1	ug/l		
Chloromethane	74-87-3	EPA 624	J21855-4	02-Feb-06	03-Apr-06	UNK	TRIP BLANK	0	U	1	ug/l		
Chloroethane	75-00-3	EPA 624	J21855-4	02-Feb-06	03-Apr-06	UNK	TRIP BLANK	0	U	1	ug/l		
Vinyl chloride	75-01-4	EPA 624	J21855-4	02-Feb-06	03-Apr-06	UNK	TRIP BLANK	0	U	2	ug/l		
Methylene chloride	75-09-2	EPA 624	J21855-4	02-Feb-06	03-Apr-06	UNK	TRIP BLANK	0	U	1	ug/l		
Bromoform	75-25-2	EPA 624	J21855-4	02-Feb-06	03-Apr-06	UNK	TRIP BLANK	0	U	1	ug/l		
Bromodichloromethane	75-27-4	EPA 624	J21855-4	02-Feb-06	03-Apr-06	UNK	TRIP BLANK	0	U	1	ug/l		
1,1-Dichloroethane	75-34-3	EPA 624	J21855-4	02-Feb-06	03-Apr-06	UNK	TRIP BLANK	0	U	1	ug/l		
1,1-Dichloroethene	75-35-4	EPA 624	J21855-4	02-Feb-06	03-Apr-06	UNK	TRIP BLANK	0	U	1	ug/l		
Trichlorofluoromethane	75-69-4	EPA 624	J21855-4	02-Feb-06	03-Apr-06	UNK	TRIP BLANK	0	U	2	ug/l		
Dichlorodifluoromethane	75-71-8	EPA 624	J21855-4	02-Feb-06	03-Apr-06	UNK	TRIP BLANK	0	U	2	ug/l		
1,2-Dichloropropane	78-87-5	EPA 624	J21855-4	02-Feb-06	03-Apr-06	UNK	TRIP BLANK	0	U	1	ug/l		
1,1,2-Trichloroethane	79-00-5	EPA 624	J21855-4	02-Feb-06	03-Apr-06	UNK	TRIP BLANK	0	U	1	ug/l		
Trichloroethene	79-01-6	EPA 624	J21855-4	02-Feb-06	03-Apr-06	UNK	TRIP BLANK	0	U	1	ug/l		
1,1,2,2-Tetrachloroethane	79-34-5	EPA 624	J21855-4	02-Feb-06	03-Apr-06	UNK	TRIP BLANK	0	U	1	ug/l		
1,2-Dichlorobenzene	95-50-1	EPA 624	J21855-4	02-Feb-06	03-Apr-06	UNK	TRIP BLANK	0	U	1	ug/l		

Analyte	casno	Method	Labsampid	Date Sampled	Validation Date	Sample	ID	Result	Code	RL	Units	Valid Result	Valid Code
Aluminum, Dissolved	7429-90-5	EPA 200.7	J21855-1F	02-Feb-06	03-Apr-06	SP114	0206	0	U	100	ug/l		
Aluminum, Dissolved	7429-90-5	EPA 200.7	J21855-3F	02-Feb-06	03-Apr-06	SP219	0206	0	U	100	ug/l		
Lead, Total	7439-92-1	EPA 200.7	J21855-1	02-Feb-06	03-Apr-06	SP114	0206	0	U	3	ug/l		
Aluminum, Total	7429-90-5	EPA 200.7	J21855-1	02-Feb-06	03-Apr-06	SP114	0206	0	U	100	ug/l		
Iron, Total	7439-89-6	EPA 200.7	J21855-1	02-Feb-06	03-Apr-06	SP114	0206	46400		100	ug/l		
Nickel, Total	7440-02-0	EPA 200.7	J21855-1	02-Feb-06	03-Apr-06	SP114	0206	0	U	40	ug/l		
Arsenic, Total	7440-38-2	EPA 200.7	J21855-1	02-Feb-06	03-Apr-06	SP114	0206	98.4		8	ug/l		
Chromium, Total	7440-47-3	EPA 200.7	J21855-1	02-Feb-06	03-Apr-06	SP114	0206	0	U	10	ug/l		
Copper, Total	7440-50-8	EPA 200.7	J21855-1	02-Feb-06	03-Apr-06	SP114	0206	0	U	25	ug/l		
Zinc, Total	7440-66-6	EPA 200.7	J21855-1	02-Feb-06	03-Apr-06	SP114	0206	0	U	20	ug/l		
Ethylbenzene	100-41-4	EPA 624	J21855-1	02-Feb-06	03-Apr-06	SP114	0206	8.6		2	ug/l		
cis-1,3-Dichloropropene	10061-01-5	EPA 624	J21855-1	02-Feb-06	03-Apr-06	SP114	0206	0	U	2	ug/l		
trans-1,3-Dichloropropene	10061-02-6	EPA 624	J21855-1	02-Feb-06	03-Apr-06	SP114	0206	0	U	2	ug/l		
1,4-Dichlorobenzene	106-46-7	EPA 624	J21855-1	02-Feb-06	03-Apr-06	SP114	0206	0	U	2	ug/l		
1,2-Dichloroethane	107-06-2	EPA 624	J21855-1	02-Feb-06	03-Apr-06	SP114	0206	0	U	2	ug/l		
Toluene	108-88-3	EPA 624	J21855-1	02-Feb-06	03-Apr-06	SP114	0206	6.8		2	ug/l		
Chlorobenzene	108-90-7	EPA 624	J21855-1	02-Feb-06	03-Apr-06	SP114	0206	0	U	2	ug/l		
Dibromochloromethane	124-48-1	EPA 624	J21855-1	02-Feb-06	03-Apr-06	SP114	0206	0	U	2	ug/l		
Tetrachloroethene	127-18-4	EPA 624	J21855-1	02-Feb-06	03-Apr-06	SP114	0206	0	U	2	ug/l		
Xylenes (total)	1330-20-7	EPA 624	J21855-1	02-Feb-06	03-Apr-06	SP114	0206	6.5		2	ug/l		
cis-1,2-Dichloroethene	156-59-2	EPA 624	J21855-1	02-Feb-06	03-Apr-06	SP114	0206	78.8		2	ug/l		
trans-1,2-Dichloroethene	156-60-5	EPA 624	J21855-1	02-Feb-06	03-Apr-06	SP114	0206	1.5	J	2	ug/l		
1,3-Dichlorobenzene	541-73-1	EPA 624	J21855-1	02-Feb-06	03-Apr-06	SP114	0206	0	U	2	ug/l		
Carbon tetrachloride	56-23-5	EPA 624	J21855-1	02-Feb-06	03-Apr-06	SP114	0206	0	U	2	ug/l		
Chloroform	67-66-3	EPA 624	J21855-1	02-Feb-06	03-Apr-06	SP114	0206	0	U	2	ug/l		
Benzene	71-43-2	EPA 624	J21855-1	02-Feb-06	03-Apr-06	SP114	0206	103		2	ug/l		
1,1,1-Trichloroethane	71-55-6	EPA 624	J21855-1	02-Feb-06	03-Apr-06	SP114	0206	5.4		2	ug/l		
Methyl bromide	74-83-9	EPA 624	J21855-1	02-Feb-06	03-Apr-06	SP114	0206	0	U	2	ug/l		
Chloromethane	74-87-3	EPA 624	J21855-1	02-Feb-06	03-Apr-06	SP114	0206	0	U	2	ug/l		
Chloroethane	75-00-3	EPA 624	J21855-1	02-Feb-06	03-Apr-06	SP114	0206	1.6	J	2	ug/l		
Vinyl chloride	75-01-4	EPA 624	J21855-1	02-Feb-06	03-Apr-06	SP114	0206	78.1		4	ug/l		
Methylene chloride	75-09-2	EPA 624	J21855-1	02-Feb-06	03-Apr-06	SP114	0206	0	U	2	ug/l		
Bromoform	75-25-2	EPA 624	J21855-1	02-Feb-06	03-Apr-06	SP114	0206	0	U	2	ug/l		
Bromodichloromethane	75-27-4	EPA 624	J21855-1	02-Feb-06	03-Apr-06	SP114	0206	0	U	2	ug/l		
1,1-Dichloroethane	75-34-3	EPA 624	J21855-1	02-Feb-06	03-Apr-06	SP114	0206	31		2	ug/l		
1,1-Dichloroethene	75-35-4	EPA 624	J21855-1	02-Feb-06	03-Apr-06	SP114	0206	0	U	2	ug/l		
Trichlorofluoromethane	75-69-4	EPA 624	J21855-1	02-Feb-06	03-Apr-06	SP114	0206	0	U	4	ug/l		
Dichlorodifluoromethane	75-71-8	EPA 624	J21855-1	02-Feb-06	03-Apr-06	SP114	0206	0	U	4	ug/l		
1,2-Dichloropropane	78-87-5	EPA 624	J21855-1	02-Feb-06	03-Apr-06	SP114	0206	0	U	2	ug/l		
1,1,2-Trichloroethane	79-00-5	EPA 624	J21855-1	02-Feb-06	03-Apr-06	SP114	0206	0	U	2	ug/l		
Trichloroethene	79-01-6	EPA 624	J21855-1	02-Feb-06	03-Apr-06	SP114	0206	0.85	J	2	ug/l		
1,1,2,2-Tetrachloroethane	79-34-5	EPA 624	J21855-1	02-Feb-06	03-Apr-06	SP114	0206	0	U	2	ug/l		
1,2-Dichlorobenzene	95-50-1	EPA 624	J21855-1	02-Feb-06	03-Apr-06	SP114	0206	0	U	2	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	J21855-2	02-Feb-06	03-Apr-06	SP217	0206	0	U	1	ug/l		
cis-1,3-Dichloropropene	10061-01-5	EPA 624	J21855-2	02-Feb-06	03-Apr-06	SP217	0206	0	U	1	ug/l		
trans-1,3-Dichloropropene	10061-02-6	EPA 624	J21855-2	02-Feb-06	03-Apr-06	SP217	0206	0	U	1	ug/l		
1,4-Dichlorobenzene	106-46-7	EPA 624	J21855-2	02-Feb-06	03-Apr-06	SP217	0206	0	U	1	ug/l		
1,2-Dichloroethane	107-06-2	EPA 624	J21855-2	02-Feb-06	03-Apr-06	SP217	0206	0	U	1	ug/l		
Toluene	108-88-3	EPA 624	J21855-2	02-Feb-06	03-Apr-06	SP217	0206	0	U	1	ug/l		
Chlorobenzene	108-90-7	EPA 624	J21855-2	02-Feb-06	03-Apr-06	SP217	0206	0	U	1	ug/l		
Dibromochloromethane	124-48-1	EPA 624	J21855-2	02-Feb-06	03-Apr-06	SP217	0206	0	U	1	ug/l		
Tetrachloroethene	127-18-4	EPA 624	J21855-2	02-Feb-06	03-Apr-06	SP217	0206	0	U	1	ug/l		
Xylenes (total)	1330-20-7	EPA 624	J21855-2	02-Feb-06	03-Apr-06	SP217	0206	0	U	1	ug/l		
cis-1,2-Dichloroethene	156-59-2	EPA 624	J21855-2	02-Feb-06	03-Apr-06	SP217	0206	1.5		1	ug/l		
trans-1,2-Dichloroethene	156-60-5	EPA 624	J21855-2	02-Feb-06	03-Apr-06	SP217	0206	0	U	1	ug/l		
1,3-Dichlorobenzene	541-73-1	EPA 624	J21855-2	02-Feb-06	03-Apr-06	SP217	0206	0	U	1	ug/l		
Carbon tetrachloride	56-23-5	EPA 624	J21855-2	02-Feb-06	03-Apr-06	SP217	0206	0	U	1	ug/l		
Chloroform	67-66-3	EPA 624	J21855-2	02-Feb-06	03-Apr-06	SP217	0206	0.79	J	1	ug/l		
Benzene	71-43-2	EPA 624	J21855-2	02-Feb-06	03-Apr-06	SP217	0206	0	U	1	ug/l		
1,1,1-Trichloroethane	71-55-6	EPA 624	J21855-2	02-Feb-06	03-Apr-06	SP217	0206	0	U	1	ug/l		
Methyl bromide	74-83-9	EPA 624	J21855-2	02-Feb-06	03-Apr-06	SP217	0206	0	U	1	ug/l		
Chloromethane	74-87-3	EPA 624	J21855-2	02-Feb-06	03-Apr-06	SP217	0206	0	U	1	ug/l		
Chloroethane	75-00-3	EPA 624	J21855-2	02-Feb-06	03-Apr-06	SP217	0206	0	U	1	ug/l		
Vinyl chloride	75-01-4	EPA 624	J21855-2	02-Feb-06	03-Apr-06	SP217	0206	0.61	J	2	ug/l		
Methylene chloride	75-09-2	EPA 624	J21855-2	02-Feb-06	03-Apr-06	SP217	0206	0	U	1	ug/l		
Bromoform	75-25-2	EPA 624	J21855-2	02-Feb-06	03-Apr-06	SP217	0206	0	U	1	ug/l		
Bromodichloromethane	75-27-4	EPA 624	J21855-2	02-Feb-06	03-Apr-06	SP217	0206	0.21	J	1	ug/l		
1,1-Dichloroethane	75-34-3	EPA 624	J21855-2	02-Feb-06	03-Apr-06	SP217	0206	1.1		1	ug/l		
1,1-Dichloroethene	75-35-4	EPA 624	J21855-2	02-Feb-06	03-Apr-06	SP217	0206	0	U	1	ug/l		
Trichlorofluoromethane	75-69-4	EPA 624	J21855-2	02-Feb-06	03-Apr-06	SP217	0206	0	U	2	ug/l		
Dichlorodifluoromethane	75-71-8	EPA 624	J21855-2	02-Feb-06	03-Apr-06	SP217	0206	0	U	2	ug/l		
1,2-Dichloropropane	78-87-5	EPA 624	J21855-2	02-Feb-06	03-Apr-06	SP217	0206	0	U	1	ug/l		
1,1,2-Trichloroethane	79-00-5	EPA 624	J21855-2	02-Feb-06	03-Apr-06	SP217	0206	0	U	1	ug/l		
Trichloroethene	79-01-6	EPA 624	J21855-2	02-Feb-06	03-Apr-06	SP217	0206	0	U	1	ug/l		
1,1,2,2-Tetrachloroethane	79-34-5	EPA 624	J21855-2	02-Feb-06	03-Apr-06	SP217	0206	0	U	1	ug/l		
1,2-Dichlorobenzene	95-50-1	EPA 624	J21855-2	02-Feb-06	03-Apr-06	SP217	0206	0	U	1	ug/l		

DATA USABILITY SUMMARY REPORT FOR MARCH 2006 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 March 6, 2006. These samples were received by Accutest Laboratories (Accutest) within one day of collection on March 7, 2006. 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 # J24238) 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, 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. Therefore, the nondetected oil and grease

result for sample SP219-0306 was 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 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 with the exception of MS recoveries.

All MS recoveries were compliant and within QC acceptance ranges with the exception of the low recovery for oil and grease (70.4%R; QC limit 79-114%R). As a result, the nondetected oil and grease result for sample SP219-0306 was considered estimated, possibly biased low, and qualified "UJ".

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
pH		EPA 150.1	J24238-1	06-Mar-06	04-Apr-06	SP114	0306	6.61			su		
Aluminum, Total	7429-90-5	EPA 200.7	J24238-1	06-Mar-06	04-Apr-06	SP114	0306	108		100	ug/l		
Iron, Total	7439-89-6	EPA 200.7	J24238-1	06-Mar-06	04-Apr-06	SP114	0306	50800		100	ug/l		
Lead, Total	7439-92-1	EPA 200.7	J24238-1	06-Mar-06	04-Apr-06	SP114	0306	0	U	3	ug/l		
Nickel, Total	7440-02-0	EPA 200.7	J24238-1	06-Mar-06	04-Apr-06	SP114	0306	0	U	40	ug/l		
Arsenic, Total	7440-38-2	EPA 200.7	J24238-1	06-Mar-06	04-Apr-06	SP114	0306	114		8	ug/l		
Chromium, Total	7440-47-3	EPA 200.7	J24238-1	06-Mar-06	04-Apr-06	SP114	0306	0	U	10	ug/l		
Copper, Total	7440-50-8	EPA 200.7	J24238-1	06-Mar-06	04-Apr-06	SP114	0306	0	U	25	ug/l		
Zinc, Total	7440-66-6	EPA 200.7	J24238-1	06-Mar-06	04-Apr-06	SP114	0306	0	U	20	ug/l		
Ethylbenzene	100-41-4	EPA 624	J24238-1	06-Mar-06	04-Apr-06	SP114	0306	9.8		1	ug/l		
cis-1,3-Dichloropropene	10061-01-5	EPA 624	J24238-1	06-Mar-06	04-Apr-06	SP114	0306	0	U	1	ug/l		
trans-1,3-Dichloropropene	10061-02-6	EPA 624	J24238-1	06-Mar-06	04-Apr-06	SP114	0306	0	U	1	ug/l		
1,4-Dichlorobenzene	106-46-7	EPA 624	J24238-1	06-Mar-06	04-Apr-06	SP114	0306	0	U	1	ug/l		
1,2-Dichloroethane	107-06-2	EPA 624	J24238-1	06-Mar-06	04-Apr-06	SP114	0306	0	U	1	ug/l		
Toluene	108-88-3	EPA 624	J24238-1	06-Mar-06	04-Apr-06	SP114	0306	8.7		1	ug/l		
Chlorobenzene	108-90-7	EPA 624	J24238-1	06-Mar-06	04-Apr-06	SP114	0306	0	U	1	ug/l		
Dibromochloromethane	124-48-1	EPA 624	J24238-1	06-Mar-06	04-Apr-06	SP114	0306	0	U	1	ug/l		
Tetrachloroethene	127-18-4	EPA 624	J24238-1	06-Mar-06	04-Apr-06	SP114	0306	0	U	1	ug/l		
Xylenes (total)	1330-20-7	EPA 624	J24238-1	06-Mar-06	04-Apr-06	SP114	0306	11.5		1	ug/l		
cis-1,2-Dichloroethene	156-59-2	EPA 624	J24238-1	06-Mar-06	04-Apr-06	SP114	0306	101		1	ug/l		
trans-1,2-Dichloroethene	156-60-5	EPA 624	J24238-1	06-Mar-06	04-Apr-06	SP114	0306	1.3		1	ug/l		
1,3-Dichlorobenzene	541-73-1	EPA 624	J24238-1	06-Mar-06	04-Apr-06	SP114	0306	0	U	1	ug/l		
Carbon tetrachloride	56-23-5	EPA 624	J24238-1	06-Mar-06	04-Apr-06	SP114	0306	0	U	1	ug/l		
Chloroform	67-66-3	EPA 624	J24238-1	06-Mar-06	04-Apr-06	SP114	0306	0	U	1	ug/l		
Benzene	71-43-2	EPA 624	J24238-1	06-Mar-06	04-Apr-06	SP114	0306	104		1	ug/l		
1,1,1-Trichloroethane	71-55-6	EPA 624	J24238-1	06-Mar-06	04-Apr-06	SP114	0306	9.7		1	ug/l		
Methyl bromide	74-83-9	EPA 624	J24238-1	06-Mar-06	04-Apr-06	SP114	0306	0	U	1	ug/l		
Chloromethane	74-87-3	EPA 624	J24238-1	06-Mar-06	04-Apr-06	SP114	0306	0	U	1	ug/l		
Chloroethane	75-00-3	EPA 624	J24238-1	06-Mar-06	04-Apr-06	SP114	0306	1.2		1	ug/l		
Vinyl chloride	75-01-4	EPA 624	J24238-1	06-Mar-06	04-Apr-06	SP114	0306	108		2	ug/l		
Methylene chloride	75-09-2	EPA 624	J24238-1	06-Mar-06	04-Apr-06	SP114	0306	0	U	1	ug/l		
Bromoform	75-25-2	EPA 624	J24238-1	06-Mar-06	04-Apr-06	SP114	0306	0	U	1	ug/l		
Bromodichloromethane	75-27-4	EPA 624	J24238-1	06-Mar-06	04-Apr-06	SP114	0306	0	U	1	ug/l		
1,1-Dichloroethane	75-34-3	EPA 624	J24238-1	06-Mar-06	04-Apr-06	SP114	0306	27.6		1	ug/l		
1,1-Dichloroethene	75-35-4	EPA 624	J24238-1	06-Mar-06	04-Apr-06	SP114	0306	0	U	1	ug/l		
Trichlorofluoromethane	75-69-4	EPA 624	J24238-1	06-Mar-06	04-Apr-06	SP114	0306	0	U	2	ug/l		
Dichlorodifluoromethane	75-71-8	EPA 624	J24238-1	06-Mar-06	04-Apr-06	SP114	0306	0	U	2	ug/l		
1,2-Dichloropropane	78-87-5	EPA 624	J24238-1	06-Mar-06	04-Apr-06	SP114	0306	0	U	1	ug/l		
1,1,2-Trichloroethane	79-00-5	EPA 624	J24238-1	06-Mar-06	04-Apr-06	SP114	0306	0	U	1	ug/l		
Trichloroethene	79-01-6	EPA 624	J24238-1	06-Mar-06	04-Apr-06	SP114	0306	2.7		1	ug/l		
1,1,2,2-Tetrachloroethane	79-34-5	EPA 624	J24238-1	06-Mar-06	04-Apr-06	SP114	0306	0	U	1	ug/l		
1,2-Dichlorobenzene	95-50-1	EPA 624	J24238-1	06-Mar-06	04-Apr-06	SP114	0306	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	J24238-2	06-Mar-06	04-Apr-06	SP217	0306	0	U	1	ug/l		
cis-1,3-Dichloropropene	10061-01-5	EPA 624	J24238-2	06-Mar-06	04-Apr-06	SP217	0306	0	U	1	ug/l		
trans-1,3-Dichloropropene	10061-02-6	EPA 624	J24238-2	06-Mar-06	04-Apr-06	SP217	0306	0	U	1	ug/l		
1,4-Dichlorobenzene	106-46-7	EPA 624	J24238-2	06-Mar-06	04-Apr-06	SP217	0306	0	U	1	ug/l		
1,2-Dichloroethane	107-06-2	EPA 624	J24238-2	06-Mar-06	04-Apr-06	SP217	0306	0	U	1	ug/l		
Toluene	108-88-3	EPA 624	J24238-2	06-Mar-06	04-Apr-06	SP217	0306	0	U	1	ug/l		
Chlorobenzene	108-90-7	EPA 624	J24238-2	06-Mar-06	04-Apr-06	SP217	0306	0	U	1	ug/l		
Dibromochloromethane	124-48-1	EPA 624	J24238-2	06-Mar-06	04-Apr-06	SP217	0306	0	U	1	ug/l		
Tetrachloroethene	127-18-4	EPA 624	J24238-2	06-Mar-06	04-Apr-06	SP217	0306	0	U	1	ug/l		
Xylenes (total)	1330-20-7	EPA 624	J24238-2	06-Mar-06	04-Apr-06	SP217	0306	0	U	1	ug/l		
cis-1,2-Dichloroethene	156-59-2	EPA 624	J24238-2	06-Mar-06	04-Apr-06	SP217	0306	0.79	J	1	ug/l		
trans-1,2-Dichloroethene	156-60-5	EPA 624	J24238-2	06-Mar-06	04-Apr-06	SP217	0306	0	U	1	ug/l		
1,3-Dichlorobenzene	541-73-1	EPA 624	J24238-2	06-Mar-06	04-Apr-06	SP217	0306	0	U	1	ug/l		
Carbon tetrachloride	56-23-5	EPA 624	J24238-2	06-Mar-06	04-Apr-06	SP217	0306	0	U	1	ug/l		
Chloroform	67-66-3	EPA 624	J24238-2	06-Mar-06	04-Apr-06	SP217	0306	0.64	J	1	ug/l		
Benzene	71-43-2	EPA 624	J24238-2	06-Mar-06	04-Apr-06	SP217	0306	0	U	1	ug/l		
1,1,1-Trichloroethane	71-55-6	EPA 624	J24238-2	06-Mar-06	04-Apr-06	SP217	0306	0	U	1	ug/l		
Methyl bromide	74-83-9	EPA 624	J24238-2	06-Mar-06	04-Apr-06	SP217	0306	0	U	1	ug/l		
Chloromethane	74-87-3	EPA 624	J24238-2	06-Mar-06	04-Apr-06	SP217	0306	0	U	1	ug/l		
Chloroethane	75-00-3	EPA 624	J24238-2	06-Mar-06	04-Apr-06	SP217	0306	0	U	1	ug/l		
Vinyl chloride	75-01-4	EPA 624	J24238-2	06-Mar-06	04-Apr-06	SP217	0306	0.86	J	2	ug/l		
Methylene chloride	75-09-2	EPA 624	J24238-2	06-Mar-06	04-Apr-06	SP217	0306	0	U	1	ug/l		
Bromoform	75-25-2	EPA 624	J24238-2	06-Mar-06	04-Apr-06	SP217	0306	0	U	1	ug/l		
Bromodichloromethane	75-27-4	EPA 624	J24238-2	06-Mar-06	04-Apr-06	SP217	0306	0	U	1	ug/l		
1,1-Dichloroethane	75-34-3	EPA 624	J24238-2	06-Mar-06	04-Apr-06	SP217	0306	1.3		1	ug/l		
1,1-Dichloroethene	75-35-4	EPA 624	J24238-2	06-Mar-06	04-Apr-06	SP217	0306	0	U	1	ug/l		
Trichlorofluoromethane	75-69-4	EPA 624	J24238-2	06-Mar-06	04-Apr-06	SP217	0306	0	U	2	ug/l		
Dichlorodifluoromethane	75-71-8	EPA 624	J24238-2	06-Mar-06	04-Apr-06	SP217	0306	0	U	2	ug/l		
1,2-Dichloropropane	78-87-5	EPA 624	J24238-2	06-Mar-06	04-Apr-06	SP217	0306	0	U	1	ug/l		
1,1,2-Trichloroethane	79-00-5	EPA 624	J24238-2	06-Mar-06	04-Apr-06	SP217	0306	0	U	1	ug/l		
Trichloroethene	79-01-6	EPA 624	J24238-2	06-Mar-06	04-Apr-06	SP217	0306	0	U	1	ug/l		
1,1,2,2-Tetrachloroethane	79-34-5	EPA 624	J24238-2	06-Mar-06	04-Apr-06	SP217	0306	0	U	1	ug/l		
1,2-Dichlorobenzene	95-50-1	EPA 624	J24238-2	06-Mar-06	04-Apr-06	SP217	0306	0	U	1	ug/l		

Analyte	casno	Method	Labsampid	Date Sampled	Validation Date	Sample	ID	Result	Code	RL	Units	Valid Result	Valid Code
Cyanide	57-12-5	EPA 335.3	J24238-3	06-Mar-06	04-Apr-06	SP219	0306	0	U	0.01	mg/l		
pH		EPA 150.1	J24238-3	06-Mar-06	04-Apr-06	SP219	0306	7.83			su		
Aluminum, Total	7429-90-5	EPA 200.7	J24238-3	06-Mar-06	04-Apr-06	SP219	0306	0	U	100	ug/l		
Iron, Total	7439-89-6	EPA 200.7	J24238-3	06-Mar-06	04-Apr-06	SP219	0306	182		100	ug/l		
Lead, Total	7439-92-1	EPA 200.7	J24238-3	06-Mar-06	04-Apr-06	SP219	0306	0	U	3	ug/l		
Nickel, Total	7440-02-0	EPA 200.7	J24238-3	06-Mar-06	04-Apr-06	SP219	0306	0	U	40	ug/l		
Arsenic, Total	7440-38-2	EPA 200.7	J24238-3	06-Mar-06	04-Apr-06	SP219	0306	0	U	8	ug/l		
Chromium, Total	7440-47-3	EPA 200.7	J24238-3	06-Mar-06	04-Apr-06	SP219	0306	0	U	10	ug/l		
Copper, Total	7440-50-8	EPA 200.7	J24238-3	06-Mar-06	04-Apr-06	SP219	0306	0	U	25	ug/l		
Zinc, Total	7440-66-6	EPA 200.7	J24238-3	06-Mar-06	04-Apr-06	SP219	0306	0	U	20	ug/l		
Oil And Grease		EPA 1664A	J24238-3	06-Mar-06	04-Apr-06	SP219	0306	0	U	5.1	mg/l		UJ
Ethylbenzene	100-41-4	EPA 624	J24238-3	06-Mar-06	04-Apr-06	SP219	0306	0	U	1	ug/l		
cis-1,3-Dichloropropene	10061-01-5	EPA 624	J24238-3	06-Mar-06	04-Apr-06	SP219	0306	0	U	1	ug/l		
trans-1,3-Dichloropropene	10061-02-6	EPA 624	J24238-3	06-Mar-06	04-Apr-06	SP219	0306	0	U	1	ug/l		
1,4-Dichlorobenzene	106-46-7	EPA 624	J24238-3	06-Mar-06	04-Apr-06	SP219	0306	0	U	1	ug/l		
1,2-Dichloroethane	107-06-2	EPA 624	J24238-3	06-Mar-06	04-Apr-06	SP219	0306	0	U	1	ug/l		
Toluene	108-88-3	EPA 624	J24238-3	06-Mar-06	04-Apr-06	SP219	0306	0	U	1	ug/l		
Chlorobenzene	108-90-7	EPA 624	J24238-3	06-Mar-06	04-Apr-06	SP219	0306	0	U	1	ug/l		
Dibromochloromethane	124-48-1	EPA 624	J24238-3	06-Mar-06	04-Apr-06	SP219	0306	0	U	1	ug/l		
Tetrachloroethene	127-18-4	EPA 624	J24238-3	06-Mar-06	04-Apr-06	SP219	0306	0	U	1	ug/l		
Xylenes (total)	1330-20-7	EPA 624	J24238-3	06-Mar-06	04-Apr-06	SP219	0306	0	U	1	ug/l		
cis-1,2-Dichloroethene	156-59-2	EPA 624	J24238-3	06-Mar-06	04-Apr-06	SP219	0306	0	U	1	ug/l		
trans-1,2-Dichloroethene	156-60-5	EPA 624	J24238-3	06-Mar-06	04-Apr-06	SP219	0306	0	U	1	ug/l		
1,3-Dichlorobenzene	541-73-1	EPA 624	J24238-3	06-Mar-06	04-Apr-06	SP219	0306	0	U	1	ug/l		
Carbon tetrachloride	56-23-5	EPA 624	J24238-3	06-Mar-06	04-Apr-06	SP219	0306	0	U	1	ug/l		
Chloroform	67-66-3	EPA 624	J24238-3	06-Mar-06	04-Apr-06	SP219	0306	0	U	1	ug/l		
Benzene	71-43-2	EPA 624	J24238-3	06-Mar-06	04-Apr-06	SP219	0306	0	U	1	ug/l		
1,1,1-Trichloroethane	71-55-6	EPA 624	J24238-3	06-Mar-06	04-Apr-06	SP219	0306	0	U	1	ug/l		
Methyl bromide	74-83-9	EPA 624	J24238-3	06-Mar-06	04-Apr-06	SP219	0306	0	U	1	ug/l		
Chloromethane	74-87-3	EPA 624	J24238-3	06-Mar-06	04-Apr-06	SP219	0306	0	U	1	ug/l		
Chloroethane	75-00-3	EPA 624	J24238-3	06-Mar-06	04-Apr-06	SP219	0306	0	U	1	ug/l		
Vinyl chloride	75-01-4	EPA 624	J24238-3	06-Mar-06	04-Apr-06	SP219	0306	0	U	2	ug/l		
Methylene chloride	75-09-2	EPA 624	J24238-3	06-Mar-06	04-Apr-06	SP219	0306	0	U	1	ug/l		
Bromoform	75-25-2	EPA 624	J24238-3	06-Mar-06	04-Apr-06	SP219	0306	0	U	1	ug/l		
Bromodichloromethane	75-27-4	EPA 624	J24238-3	06-Mar-06	04-Apr-06	SP219	0306	0	U	1	ug/l		
1,1-Dichloroethane	75-34-3	EPA 624	J24238-3	06-Mar-06	04-Apr-06	SP219	0306	0	U	1	ug/l		
1,1-Dichloroethene	75-35-4	EPA 624	J24238-3	06-Mar-06	04-Apr-06	SP219	0306	0	U	1	ug/l		
Trichlorofluoromethane	75-69-4	EPA 624	J24238-3	06-Mar-06	04-Apr-06	SP219	0306	0	U	2	ug/l		
Dichlorodifluoromethane	75-71-8	EPA 624	J24238-3	06-Mar-06	04-Apr-06	SP219	0306	0	U	2	ug/l		
1,2-Dichloropropane	78-87-5	EPA 624	J24238-3	06-Mar-06	04-Apr-06	SP219	0306	0	U	1	ug/l		
1,1,2-Trichloroethane	79-00-5	EPA 624	J24238-3	06-Mar-06	04-Apr-06	SP219	0306	0	U	1	ug/l		
Trichloroethene	79-01-6	EPA 624	J24238-3	06-Mar-06	04-Apr-06	SP219	0306	0	U	1	ug/l		
1,1,2,2-Tetrachloroethane	79-34-5	EPA 624	J24238-3	06-Mar-06	04-Apr-06	SP219	0306	0	U	1	ug/l		

Analyte	casno	Method	Labsampid	Date Sampled	Validation Date	Sample	ID	Result	Code	RL	Units	Valid Result	Valid Code
1,2-Dichlorobenzene	95-50-1	EPA 624	J24238-3	06-Mar-06	04-Apr-06	SP219	0306	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	J24238-4	06-Mar-06	04-Apr-06	UNK	TRIP BLANK	0	U	1	ug/l		
cis-1,3-Dichloropropene	10061-01-5	EPA 624	J24238-4	06-Mar-06	04-Apr-06	UNK	TRIP BLANK	0	U	1	ug/l		
trans-1,3-Dichloropropene	10061-02-6	EPA 624	J24238-4	06-Mar-06	04-Apr-06	UNK	TRIP BLANK	0	U	1	ug/l		
1,4-Dichlorobenzene	106-46-7	EPA 624	J24238-4	06-Mar-06	04-Apr-06	UNK	TRIP BLANK	0	U	1	ug/l		
1,2-Dichloroethane	107-06-2	EPA 624	J24238-4	06-Mar-06	04-Apr-06	UNK	TRIP BLANK	0	U	1	ug/l		
Toluene	108-88-3	EPA 624	J24238-4	06-Mar-06	04-Apr-06	UNK	TRIP BLANK	0	U	1	ug/l		
Chlorobenzene	108-90-7	EPA 624	J24238-4	06-Mar-06	04-Apr-06	UNK	TRIP BLANK	0	U	1	ug/l		
Dibromochloromethane	124-48-1	EPA 624	J24238-4	06-Mar-06	04-Apr-06	UNK	TRIP BLANK	0	U	1	ug/l		
Tetrachloroethene	127-18-4	EPA 624	J24238-4	06-Mar-06	04-Apr-06	UNK	TRIP BLANK	0	U	1	ug/l		
Xylenes (total)	1330-20-7	EPA 624	J24238-4	06-Mar-06	04-Apr-06	UNK	TRIP BLANK	0	U	1	ug/l		
cis-1,2-Dichloroethene	156-59-2	EPA 624	J24238-4	06-Mar-06	04-Apr-06	UNK	TRIP BLANK	0	U	1	ug/l		
trans-1,2-Dichloroethene	156-60-5	EPA 624	J24238-4	06-Mar-06	04-Apr-06	UNK	TRIP BLANK	0	U	1	ug/l		
1,3-Dichlorobenzene	541-73-1	EPA 624	J24238-4	06-Mar-06	04-Apr-06	UNK	TRIP BLANK	0	U	1	ug/l		
Carbon tetrachloride	56-23-5	EPA 624	J24238-4	06-Mar-06	04-Apr-06	UNK	TRIP BLANK	0	U	1	ug/l		
Chloroform	67-66-3	EPA 624	J24238-4	06-Mar-06	04-Apr-06	UNK	TRIP BLANK	0	U	1	ug/l		
Benzene	71-43-2	EPA 624	J24238-4	06-Mar-06	04-Apr-06	UNK	TRIP BLANK	0	U	1	ug/l		
1,1,1-Trichloroethane	71-55-6	EPA 624	J24238-4	06-Mar-06	04-Apr-06	UNK	TRIP BLANK	0	U	1	ug/l		
Methyl bromide	74-83-9	EPA 624	J24238-4	06-Mar-06	04-Apr-06	UNK	TRIP BLANK	0	U	1	ug/l		
Chloromethane	74-87-3	EPA 624	J24238-4	06-Mar-06	04-Apr-06	UNK	TRIP BLANK	0	U	1	ug/l		
Chloroethane	75-00-3	EPA 624	J24238-4	06-Mar-06	04-Apr-06	UNK	TRIP BLANK	0	U	1	ug/l		
Vinyl chloride	75-01-4	EPA 624	J24238-4	06-Mar-06	04-Apr-06	UNK	TRIP BLANK	0	U	2	ug/l		
Methylene chloride	75-09-2	EPA 624	J24238-4	06-Mar-06	04-Apr-06	UNK	TRIP BLANK	0	U	1	ug/l		
Bromoform	75-25-2	EPA 624	J24238-4	06-Mar-06	04-Apr-06	UNK	TRIP BLANK	0	U	1	ug/l		
Bromodichloromethane	75-27-4	EPA 624	J24238-4	06-Mar-06	04-Apr-06	UNK	TRIP BLANK	0	U	1	ug/l		
1,1-Dichloroethane	75-34-3	EPA 624	J24238-4	06-Mar-06	04-Apr-06	UNK	TRIP BLANK	0	U	1	ug/l		
1,1-Dichloroethene	75-35-4	EPA 624	J24238-4	06-Mar-06	04-Apr-06	UNK	TRIP BLANK	0	U	1	ug/l		
Trichlorofluoromethane	75-69-4	EPA 624	J24238-4	06-Mar-06	04-Apr-06	UNK	TRIP BLANK	0	U	2	ug/l		
Dichlorodifluoromethane	75-71-8	EPA 624	J24238-4	06-Mar-06	04-Apr-06	UNK	TRIP BLANK	0	U	2	ug/l		
1,2-Dichloropropane	78-87-5	EPA 624	J24238-4	06-Mar-06	04-Apr-06	UNK	TRIP BLANK	0	U	1	ug/l		
1,1,2-Trichloroethane	79-00-5	EPA 624	J24238-4	06-Mar-06	04-Apr-06	UNK	TRIP BLANK	0	U	1	ug/l		
Trichloroethene	79-01-6	EPA 624	J24238-4	06-Mar-06	04-Apr-06	UNK	TRIP BLANK	0	U	1	ug/l		
1,1,2,2-Tetrachloroethane	79-34-5	EPA 624	J24238-4	06-Mar-06	04-Apr-06	UNK	TRIP BLANK	0	U	1	ug/l		
1,2-Dichlorobenzene	95-50-1	EPA 624	J24238-4	06-Mar-06	04-Apr-06	UNK	TRIP BLANK	0	U	1	ug/l		
Aluminum, Dissolved	7429-90-5	EPA 200.7	J24238-1F	06-Mar-06	04-Apr-06	SP114	0306	0	U	100	ug/l		
Aluminum, Dissolved	7429-90-5	EPA 200.7	J24238-3F	06-Mar-06	04-Apr-06	SP219	0306	0	U	100	ug/l		

DATA USABILITY SUMMARY REPORT FOR APRIL 2006 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 April 6, 2006. These samples were received by Accutest Laboratories (Accutest) within one day of collection on April 7, 2006. 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 # J27120) 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, 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. Therefore, the nondetected chloroethane

results for samples SP217-0406, SP219-0406, and TRIP BLANK 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 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 with the exception of continuing calibrations. All continuing calibration compounds were compliant with maximum percent differences (%Ds) of ±25% and minimum relative response factors (RRFs) of 0.05 with the exception of chloroethane (-33.4%D, -26.4%D) in the continuing calibrations associated with samples SP217-0406, SP219-0406, and TRIP BLANK. Therefore, the nondetected chloroethane results for these samples were considered estimated and qualified "UJ".

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	Location	Result	Code	RL	Units	Valid Result	Valid Code
pH		EPA 150.1	J27120-1	06-Apr-06	23-May-06	SP114	0406	6.73			su		
Aluminum, Total	7429-90-5	EPA 200.7	J27120-1	06-Apr-06	23-May-06	SP114	0406	0	U	100	ug/l		
Iron, Total	7439-89-6	EPA 200.7	J27120-1	06-Apr-06	23-May-06	SP114	0406	45800		100	ug/l		
Lead, Total	7439-92-1	EPA 200.7	J27120-1	06-Apr-06	23-May-06	SP114	0406	0	U	3	ug/l		
Nickel, Total	7440-02-0	EPA 200.7	J27120-1	06-Apr-06	23-May-06	SP114	0406	0	U	40	ug/l		
Arsenic, Total	7440-38-2	EPA 200.7	J27120-1	06-Apr-06	23-May-06	SP114	0406	96.6		8	ug/l		
Chromium, Total	7440-47-3	EPA 200.7	J27120-1	06-Apr-06	23-May-06	SP114	0406	0	U	10	ug/l		
Copper, Total	7440-50-8	EPA 200.7	J27120-1	06-Apr-06	23-May-06	SP114	0406	0	U	25	ug/l		
Zinc, Total	7440-66-6	EPA 200.7	J27120-1	06-Apr-06	23-May-06	SP114	0406	0	U	20	ug/l		
Ethylbenzene	100-41-4	EPA 624	J27120-1	06-Apr-06	23-May-06	SP114	0406	8.5		1	ug/l		
cis-1,3-Dichloropropene	10061-01-5	EPA 624	J27120-1	06-Apr-06	23-May-06	SP114	0406	0	U	1	ug/l		
Dichloropropene	10061-02-6	EPA 624	J27120-1	06-Apr-06	23-May-06	SP114	0406	0	U	1	ug/l		
1,4-Dichlorobenzene	106-46-7	EPA 624	J27120-1	06-Apr-06	23-May-06	SP114	0406	0	U	1	ug/l		
1,2-Dichloroethane	107-06-2	EPA 624	J27120-1	06-Apr-06	23-May-06	SP114	0406	0	U	1	ug/l		
Toluene	108-88-3	EPA 624	J27120-1	06-Apr-06	23-May-06	SP114	0406	7.6		1	ug/l		
Chlorobenzene	108-90-7	EPA 624	J27120-1	06-Apr-06	23-May-06	SP114	0406	0.56	J	1	ug/l		
Dibromochloromethane	124-48-1	EPA 624	J27120-1	06-Apr-06	23-May-06	SP114	0406	0	U	1	ug/l		
Tetrachloroethene	127-18-4	EPA 624	J27120-1	06-Apr-06	23-May-06	SP114	0406	0	U	1	ug/l		
Xylenes (total)	1330-20-7	EPA 624	J27120-1	06-Apr-06	23-May-06	SP114	0406	9		1	ug/l		
cis-1,2-Dichloroethene	156-59-2	EPA 624	J27120-1	06-Apr-06	23-May-06	SP114	0406	61		1	ug/l		
trans-1,2-Dichloroethene	156-60-5	EPA 624	J27120-1	06-Apr-06	23-May-06	SP114	0406	0.93	J	1	ug/l		
1,3-Dichlorobenzene	541-73-1	EPA 624	J27120-1	06-Apr-06	23-May-06	SP114	0406	0	U	1	ug/l		
Carbon tetrachloride	56-23-5	EPA 624	J27120-1	06-Apr-06	23-May-06	SP114	0406	0	U	1	ug/l		
Chloroform	67-66-3	EPA 624	J27120-1	06-Apr-06	23-May-06	SP114	0406	0	U	1	ug/l		
Benzene	71-43-2	EPA 624	J27120-1	06-Apr-06	23-May-06	SP114	0406	87.5		1	ug/l		
1,1,1-Trichloroethane	71-55-6	EPA 624	J27120-1	06-Apr-06	23-May-06	SP114	0406	7.6		1	ug/l		
Methyl bromide	74-83-9	EPA 624	J27120-1	06-Apr-06	23-May-06	SP114	0406	0	U	1	ug/l		
Chloromethane	74-87-3	EPA 624	J27120-1	06-Apr-06	23-May-06	SP114	0406	0	U	1	ug/l		
Chloroethane	75-00-3	EPA 624	J27120-1	06-Apr-06	23-May-06	SP114	0406	1.3		1	ug/l		
Vinyl chloride	75-01-4	EPA 624	J27120-1	06-Apr-06	23-May-06	SP114	0406	73		2	ug/l		
Methylene chloride	75-09-2	EPA 624	J27120-1	06-Apr-06	23-May-06	SP114	0406	0	U	1	ug/l		
Bromoform	75-25-2	EPA 624	J27120-1	06-Apr-06	23-May-06	SP114	0406	0	U	1	ug/l		
Bromodichloromethane	75-27-4	EPA 624	J27120-1	06-Apr-06	23-May-06	SP114	0406	0	U	1	ug/l		
1,1-Dichloroethane	75-34-3	EPA 624	J27120-1	06-Apr-06	23-May-06	SP114	0406	21.3		1	ug/l		
1,1-Dichloroethene	75-35-4	EPA 624	J27120-1	06-Apr-06	23-May-06	SP114	0406	0	U	1	ug/l		
Trichlorofluoromethane	75-69-4	EPA 624	J27120-1	06-Apr-06	23-May-06	SP114	0406	0	U	2	ug/l		
Dichlorodifluoromethane	75-71-8	EPA 624	J27120-1	06-Apr-06	23-May-06	SP114	0406	0	U	2	ug/l		
1,2-Dichloropropane	78-87-5	EPA 624	J27120-1	06-Apr-06	23-May-06	SP114	0406	0	U	1	ug/l		
1,1,2-Trichloroethane	79-00-5	EPA 624	J27120-1	06-Apr-06	23-May-06	SP114	0406	0	U	1	ug/l		
Trichloroethene	79-01-6	EPA 624	J27120-1	06-Apr-06	23-May-06	SP114	0406	0.46	J	1	ug/l		
1,1,2,2-Tetrachloroethane	79-34-5	EPA 624	J27120-1	06-Apr-06	23-May-06	SP114	0406	0	U	1	ug/l		
1,2-Dichlorobenzene	95-50-1	EPA 624	J27120-1	06-Apr-06	23-May-06	SP114	0406	0	U	1	ug/l		
Aluminum, Dissolved	7429-90-5	EPA 200.7	J27120-1F	06-Apr-06	23-May-06	SP114	0406	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	J27120-2	06-Apr-06	23-May-06	SP217	0406	0	U	1	ug/l		
cis-1,3-Dichloropropene	10061-01-5	EPA 624	J27120-2	06-Apr-06	23-May-06	SP217	0406	0	U	1	ug/l		
Dichloropropene	10061-02-6	EPA 624	J27120-2	06-Apr-06	23-May-06	SP217	0406	0	U	1	ug/l		
1,4-Dichlorobenzene	106-46-7	EPA 624	J27120-2	06-Apr-06	23-May-06	SP217	0406	0	U	1	ug/l		
1,2-Dichloroethane	107-06-2	EPA 624	J27120-2	06-Apr-06	23-May-06	SP217	0406	0	U	1	ug/l		
Toluene	108-88-3	EPA 624	J27120-2	06-Apr-06	23-May-06	SP217	0406	0	U	1	ug/l		
Chlorobenzene	108-90-7	EPA 624	J27120-2	06-Apr-06	23-May-06	SP217	0406	0	U	1	ug/l		
Dibromochloromethane	124-48-1	EPA 624	J27120-2	06-Apr-06	23-May-06	SP217	0406	0	U	1	ug/l		
Tetrachloroethene	127-18-4	EPA 624	J27120-2	06-Apr-06	23-May-06	SP217	0406	0	U	1	ug/l		
Xylenes (total)	1330-20-7	EPA 624	J27120-2	06-Apr-06	23-May-06	SP217	0406	0	U	1	ug/l		
cis-1,2-Dichloroethene	156-59-2	EPA 624	J27120-2	06-Apr-06	23-May-06	SP217	0406	2.9		1	ug/l		
trans-1,2-Dichloroethene	156-60-5	EPA 624	J27120-2	06-Apr-06	23-May-06	SP217	0406	0	U	1	ug/l		
1,3-Dichlorobenzene	541-73-1	EPA 624	J27120-2	06-Apr-06	23-May-06	SP217	0406	0	U	1	ug/l		
Carbon tetrachloride	56-23-5	EPA 624	J27120-2	06-Apr-06	23-May-06	SP217	0406	0	U	1	ug/l		
Chloroform	67-66-3	EPA 624	J27120-2	06-Apr-06	23-May-06	SP217	0406	1.2		1	ug/l		
Benzene	71-43-2	EPA 624	J27120-2	06-Apr-06	23-May-06	SP217	0406	0	U	1	ug/l		
1,1,1-Trichloroethane	71-55-6	EPA 624	J27120-2	06-Apr-06	23-May-06	SP217	0406	0.61	J	1	ug/l		
Methyl bromide	74-83-9	EPA 624	J27120-2	06-Apr-06	23-May-06	SP217	0406	0	U	1	ug/l		
Chloromethane	74-87-3	EPA 624	J27120-2	06-Apr-06	23-May-06	SP217	0406	0	U	1	ug/l		
Chloroethane	75-00-3	EPA 624	J27120-2	06-Apr-06	23-May-06	SP217	0406	0	U	1	ug/l		UJ
Vinyl chloride	75-01-4	EPA 624	J27120-2	06-Apr-06	23-May-06	SP217	0406	0.81	J	2	ug/l		
Methylene chloride	75-09-2	EPA 624	J27120-2	06-Apr-06	23-May-06	SP217	0406	0	U	1	ug/l		
Bromoform	75-25-2	EPA 624	J27120-2	06-Apr-06	23-May-06	SP217	0406	0	U	1	ug/l		
Bromodichloromethane	75-27-4	EPA 624	J27120-2	06-Apr-06	23-May-06	SP217	0406	0	U	1	ug/l		
1,1-Dichloroethane	75-34-3	EPA 624	J27120-2	06-Apr-06	23-May-06	SP217	0406	3.2		1	ug/l		
1,1-Dichloroethene	75-35-4	EPA 624	J27120-2	06-Apr-06	23-May-06	SP217	0406	0	U	1	ug/l		
Trichlorofluoromethane	75-69-4	EPA 624	J27120-2	06-Apr-06	23-May-06	SP217	0406	0	U	2	ug/l		
Dichlorodifluoromethane	75-71-8	EPA 624	J27120-2	06-Apr-06	23-May-06	SP217	0406	0	U	2	ug/l		
1,2-Dichloropropane	78-87-5	EPA 624	J27120-2	06-Apr-06	23-May-06	SP217	0406	0	U	1	ug/l		
1,1,2-Trichloroethane	79-00-5	EPA 624	J27120-2	06-Apr-06	23-May-06	SP217	0406	0	U	1	ug/l		
Trichloroethene	79-01-6	EPA 624	J27120-2	06-Apr-06	23-May-06	SP217	0406	0	U	1	ug/l		
1,1,2,2-Tetrachloroethane	79-34-5	EPA 624	J27120-2	06-Apr-06	23-May-06	SP217	0406	0	U	1	ug/l		
1,2-Dichlorobenzene	95-50-1	EPA 624	J27120-2	06-Apr-06	23-May-06	SP217	0406	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	J27120-3	06-Apr-06	23-May-06	SP219	0406	7.27			su		
Cyanide	57-12-5	EPA 335.3	J27120-3	06-Apr-06	23-May-06	SP219	0406	0	U	0	mg/l		
Aluminum, Total	7429-90-5	EPA 200.7	J27120-3	06-Apr-06	23-May-06	SP219	0406	0	U	100	ug/l		
Iron, Total	7439-89-6	EPA 200.7	J27120-3	06-Apr-06	23-May-06	SP219	0406	150		100	ug/l		
Lead, Total	7439-92-1	EPA 200.7	J27120-3	06-Apr-06	23-May-06	SP219	0406	0	U	3	ug/l		
Nickel, Total	7440-02-0	EPA 200.7	J27120-3	06-Apr-06	23-May-06	SP219	0406	0	U	40	ug/l		
Arsenic, Total	7440-38-2	EPA 200.7	J27120-3	06-Apr-06	23-May-06	SP219	0406	0	U	8	ug/l		
Chromium, Total	7440-47-3	EPA 200.7	J27120-3	06-Apr-06	23-May-06	SP219	0406	0	U	10	ug/l		
Copper, Total	7440-50-8	EPA 200.7	J27120-3	06-Apr-06	23-May-06	SP219	0406	0	U	25	ug/l		
Zinc, Total	7440-66-6	EPA 200.7	J27120-3	06-Apr-06	23-May-06	SP219	0406	0	U	20	ug/l		
Oil And Grease		EPA 1664A	J27120-3	06-Apr-06	23-May-06	SP219	0406	0	U	5.1	mg/l		
Ethylbenzene	100-41-4	EPA 624	J27120-3	06-Apr-06	23-May-06	SP219	0406	0	U	1	ug/l		
cis-1,3-Dichloropropene	10061-01-5	EPA 624	J27120-3	06-Apr-06	23-May-06	SP219	0406	0	U	1	ug/l		
Dichloropropene	10061-02-6	EPA 624	J27120-3	06-Apr-06	23-May-06	SP219	0406	0	U	1	ug/l		
1,4-Dichlorobenzene	106-46-7	EPA 624	J27120-3	06-Apr-06	23-May-06	SP219	0406	0	U	1	ug/l		
1,2-Dichloroethane	107-06-2	EPA 624	J27120-3	06-Apr-06	23-May-06	SP219	0406	0	U	1	ug/l		
Toluene	108-88-3	EPA 624	J27120-3	06-Apr-06	23-May-06	SP219	0406	0	U	1	ug/l		
Chlorobenzene	108-90-7	EPA 624	J27120-3	06-Apr-06	23-May-06	SP219	0406	0	U	1	ug/l		
Dibromochloromethane	124-48-1	EPA 624	J27120-3	06-Apr-06	23-May-06	SP219	0406	0	U	1	ug/l		
Tetrachloroethene	127-18-4	EPA 624	J27120-3	06-Apr-06	23-May-06	SP219	0406	0	U	1	ug/l		
Xylenes (total)	1330-20-7	EPA 624	J27120-3	06-Apr-06	23-May-06	SP219	0406	0	U	1	ug/l		
cis-1,2-Dichloroethene	156-59-2	EPA 624	J27120-3	06-Apr-06	23-May-06	SP219	0406	0	U	1	ug/l		
trans-1,2-Dichloroethene	156-60-5	EPA 624	J27120-3	06-Apr-06	23-May-06	SP219	0406	0	U	1	ug/l		
1,3-Dichlorobenzene	541-73-1	EPA 624	J27120-3	06-Apr-06	23-May-06	SP219	0406	0	U	1	ug/l		
Carbon tetrachloride	56-23-5	EPA 624	J27120-3	06-Apr-06	23-May-06	SP219	0406	0	U	1	ug/l		
Chloroform	67-66-3	EPA 624	J27120-3	06-Apr-06	23-May-06	SP219	0406	0	U	1	ug/l		
Benzene	71-43-2	EPA 624	J27120-3	06-Apr-06	23-May-06	SP219	0406	0	U	1	ug/l		
1,1,1-Trichloroethane	71-55-6	EPA 624	J27120-3	06-Apr-06	23-May-06	SP219	0406	0	U	1	ug/l		
Methyl bromide	74-83-9	EPA 624	J27120-3	06-Apr-06	23-May-06	SP219	0406	0	U	1	ug/l		
Chloromethane	74-87-3	EPA 624	J27120-3	06-Apr-06	23-May-06	SP219	0406	0	U	1	ug/l		
Chloroethane	75-00-3	EPA 624	J27120-3	06-Apr-06	23-May-06	SP219	0406	0	U	1	ug/l		UJ
Vinyl chloride	75-01-4	EPA 624	J27120-3	06-Apr-06	23-May-06	SP219	0406	0	U	2	ug/l		
Methylene chloride	75-09-2	EPA 624	J27120-3	06-Apr-06	23-May-06	SP219	0406	0	U	1	ug/l		
Bromoform	75-25-2	EPA 624	J27120-3	06-Apr-06	23-May-06	SP219	0406	0	U	1	ug/l		
Bromodichloromethane	75-27-4	EPA 624	J27120-3	06-Apr-06	23-May-06	SP219	0406	0	U	1	ug/l		
1,1-Dichloroethane	75-34-3	EPA 624	J27120-3	06-Apr-06	23-May-06	SP219	0406	0	U	1	ug/l		
1,1-Dichloroethene	75-35-4	EPA 624	J27120-3	06-Apr-06	23-May-06	SP219	0406	0	U	1	ug/l		
Trichlorofluoromethane	75-69-4	EPA 624	J27120-3	06-Apr-06	23-May-06	SP219	0406	0	U	2	ug/l		
Dichlorodifluoromethane	75-71-8	EPA 624	J27120-3	06-Apr-06	23-May-06	SP219	0406	0	U	2	ug/l		
1,2-Dichloropropane	78-87-5	EPA 624	J27120-3	06-Apr-06	23-May-06	SP219	0406	0	U	1	ug/l		
1,1,2-Trichloroethane	79-00-5	EPA 624	J27120-3	06-Apr-06	23-May-06	SP219	0406	0	U	1	ug/l		
Trichloroethene	79-01-6	EPA 624	J27120-3	06-Apr-06	23-May-06	SP219	0406	0	U	1	ug/l		
1,1,2,2-Tetrachloroethane	79-34-5	EPA 624	J27120-3	06-Apr-06	23-May-06	SP219	0406	0	U	1	ug/l		
1,2-Dichlorobenzene	95-50-1	EPA 624	J27120-3	06-Apr-06	23-May-06	SP219	0406	0	U	1	ug/l		

Analyte	casno	Method	Labsampid	Date Sampled	Validation Date	Sample	Location	Result	Code	Rt	Units	Valid Result	Valid Code
Aluminum, Dissolved	7429-90-5	EPA 200.7	J27120-3F	06-Apr-06	23-May-06	SP219	0406	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	J27120-4	06-Apr-06	23-May-06	UNK	TRIP BLANK	0	U	1	ug/l		
cis-1,3-Dichloropropene	10061-01-5	EPA 624	J27120-4	06-Apr-06	23-May-06	UNK	TRIP BLANK	0	U	1	ug/l		
Dichloropropene	10061-02-6	EPA 624	J27120-4	06-Apr-06	23-May-06	UNK	TRIP BLANK	0	U	1	ug/l		
1,4-Dichlorobenzene	106-46-7	EPA 624	J27120-4	06-Apr-06	23-May-06	UNK	TRIP BLANK	0	U	1	ug/l		
1,2-Dichloroethane	107-06-2	EPA 624	J27120-4	06-Apr-06	23-May-06	UNK	TRIP BLANK	0	U	1	ug/l		
Toluene	108-88-3	EPA 624	J27120-4	06-Apr-06	23-May-06	UNK	TRIP BLANK	0	U	1	ug/l		
Chlorobenzene	108-90-7	EPA 624	J27120-4	06-Apr-06	23-May-06	UNK	TRIP BLANK	0	U	1	ug/l		
Dibromochloromethane	124-48-1	EPA 624	J27120-4	06-Apr-06	23-May-06	UNK	TRIP BLANK	0	U	1	ug/l		
Tetrachloroethene	127-18-4	EPA 624	J27120-4	06-Apr-06	23-May-06	UNK	TRIP BLANK	0	U	1	ug/l		
Xylenes (total)	1330-20-7	EPA 624	J27120-4	06-Apr-06	23-May-06	UNK	TRIP BLANK	0	U	1	ug/l		
cis-1,2-Dichloroethene	156-59-2	EPA 624	J27120-4	06-Apr-06	23-May-06	UNK	TRIP BLANK	0	U	1	ug/l		
trans-1,2-Dichloroethene	156-60-5	EPA 624	J27120-4	06-Apr-06	23-May-06	UNK	TRIP BLANK	0	U	1	ug/l		
1,3-Dichlorobenzene	541-73-1	EPA 624	J27120-4	06-Apr-06	23-May-06	UNK	TRIP BLANK	0	U	1	ug/l		
Carbon tetrachloride	56-23-5	EPA 624	J27120-4	06-Apr-06	23-May-06	UNK	TRIP BLANK	0	U	1	ug/l		
Chloroform	67-66-3	EPA 624	J27120-4	06-Apr-06	23-May-06	UNK	TRIP BLANK	0	U	1	ug/l		
Benzene	71-43-2	EPA 624	J27120-4	06-Apr-06	23-May-06	UNK	TRIP BLANK	0	U	1	ug/l		
1,1,1-Trichloroethane	71-55-6	EPA 624	J27120-4	06-Apr-06	23-May-06	UNK	TRIP BLANK	0	U	1	ug/l		
Methyl bromide	74-83-9	EPA 624	J27120-4	06-Apr-06	23-May-06	UNK	TRIP BLANK	0	U	1	ug/l		
Chloromethane	74-87-3	EPA 624	J27120-4	06-Apr-06	23-May-06	UNK	TRIP BLANK	0	U	1	ug/l		
Chloroethane	75-00-3	EPA 624	J27120-4	06-Apr-06	23-May-06	UNK	TRIP BLANK	0	U	1	ug/l		UJ
Vinyl chloride	75-01-4	EPA 624	J27120-4	06-Apr-06	23-May-06	UNK	TRIP BLANK	0	U	2	ug/l		
Methylene chloride	75-09-2	EPA 624	J27120-4	06-Apr-06	23-May-06	UNK	TRIP BLANK	0	U	1	ug/l		
Bromoform	75-25-2	EPA 624	J27120-4	06-Apr-06	23-May-06	UNK	TRIP BLANK	0	U	1	ug/l		
Bromodichloromethane	75-27-4	EPA 624	J27120-4	06-Apr-06	23-May-06	UNK	TRIP BLANK	0	U	1	ug/l		
1,1-Dichloroethane	75-34-3	EPA 624	J27120-4	06-Apr-06	23-May-06	UNK	TRIP BLANK	0	U	1	ug/l		
1,1-Dichloroethene	75-35-4	EPA 624	J27120-4	06-Apr-06	23-May-06	UNK	TRIP BLANK	0	U	1	ug/l		
Trichlorofluoromethane	75-69-4	EPA 624	J27120-4	06-Apr-06	23-May-06	UNK	TRIP BLANK	0	U	2	ug/l		
Dichlorodifluoromethane	75-71-8	EPA 624	J27120-4	06-Apr-06	23-May-06	UNK	TRIP BLANK	0	U	2	ug/l		
1,2-Dichloropropane	78-87-5	EPA 624	J27120-4	06-Apr-06	23-May-06	UNK	TRIP BLANK	0	U	1	ug/l		
1,1,2-Trichloroethane	79-00-5	EPA 624	J27120-4	06-Apr-06	23-May-06	UNK	TRIP BLANK	0	U	1	ug/l		
Trichloroethene	79-01-6	EPA 624	J27120-4	06-Apr-06	23-May-06	UNK	TRIP BLANK	0	U	1	ug/l		
1,1,2,2-Tetrachloroethane	79-34-5	EPA 624	J27120-4	06-Apr-06	23-May-06	UNK	TRIP BLANK	0	U	1	ug/l		
1,2-Dichlorobenzene	95-50-1	EPA 624	J27120-4	06-Apr-06	23-May-06	UNK	TRIP BLANK	0	U	1	ug/l		

DATA USABILITY SUMMARY REPORT FOR MAY 2006 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 May 3, 2006. These samples were received by Accutest Laboratories (Accutest) within one day of collection on May 4, 2006. 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 # J29436) 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, 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 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 (112.2%R; QC limit 90-110%R). Since cyanide was not detected in the project sample SP219-0506, validation qualification was not warranted.

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	Location	Result	Code	RL	Units	Valid Result	Valid Code
pH		EPA 150.1	J29436-1	02-May-06	24-May-06	SP114	0506	6.62			su		
Aluminum, Total	7429-90-5	EPA 200.7	J29436-1	02-May-06	24-May-06	SP114	0506	0	U	100	ug/l		
Iron, Total	7439-89-6	EPA 200.7	J29436-1	02-May-06	24-May-06	SP114	0506	46800		100	ug/l		
Lead, Total	7439-92-1	EPA 200.7	J29436-1	02-May-06	24-May-06	SP114	0506	0	U	3	ug/l		
Nickel, Total	7440-02-0	EPA 200.7	J29436-1	02-May-06	24-May-06	SP114	0506	0	U	40	ug/l		
Arsenic, Total	7440-38-2	EPA 200.7	J29436-1	02-May-06	24-May-06	SP114	0506	96.8		8	ug/l		
Chromium, Total	7440-47-3	EPA 200.7	J29436-1	02-May-06	24-May-06	SP114	0506	0	U	10	ug/l		
Copper, Total	7440-50-8	EPA 200.7	J29436-1	02-May-06	24-May-06	SP114	0506	0	U	25	ug/l		
Zinc, Total	7440-66-6	EPA 200.7	J29436-1	02-May-06	24-May-06	SP114	0506	0	U	20	ug/l		
Ethylbenzene	100-41-4	EPA 624	J29436-1	02-May-06	24-May-06	SP114	0506	10.1		1	ug/l		
cis-1,3-Dichloropropene	10061-01-5	EPA 624	J29436-1	02-May-06	24-May-06	SP114	0506	0	U	1	ug/l		
trans-1,3-Dichloropropene	10061-02-6	EPA 624	J29436-1	02-May-06	24-May-06	SP114	0506	0	U	1	ug/l		
1,4-Dichlorobenzene	106-46-7	EPA 624	J29436-1	02-May-06	24-May-06	SP114	0506	0	U	1	ug/l		
1,2-Dichloroethane	107-06-2	EPA 624	J29436-1	02-May-06	24-May-06	SP114	0506	0	U	1	ug/l		
Toluene	108-88-3	EPA 624	J29436-1	02-May-06	24-May-06	SP114	0506	9		1	ug/l		
Chlorobenzene	108-90-7	EPA 624	J29436-1	02-May-06	24-May-06	SP114	0506	0.64	J	1	ug/l		
Dibromochloromethane	124-48-1	EPA 624	J29436-1	02-May-06	24-May-06	SP114	0506	0	U	1	ug/l		
Tetrachloroethene	127-18-4	EPA 624	J29436-1	02-May-06	24-May-06	SP114	0506	0	U	1	ug/l		
Xylenes (total)	1330-20-7	EPA 624	J29436-1	02-May-06	24-May-06	SP114	0506	11.9		1	ug/l		
cis-1,2-Dichloroethene	156-59-2	EPA 624	J29436-1	02-May-06	24-May-06	SP114	0506	76.9		1	ug/l		
trans-1,2-Dichloroethene	156-60-5	EPA 624	J29436-1	02-May-06	24-May-06	SP114	0506	1.3		1	ug/l		
1,3-Dichlorobenzene	541-73-1	EPA 624	J29436-1	02-May-06	24-May-06	SP114	0506	0	U	1	ug/l		
Carbon tetrachloride	56-23-5	EPA 624	J29436-1	02-May-06	24-May-06	SP114	0506	0	U	1	ug/l		
Chloroform	67-66-3	EPA 624	J29436-1	02-May-06	24-May-06	SP114	0506	0	U	1	ug/l		
Benzene	71-43-2	EPA 624	J29436-1	02-May-06	24-May-06	SP114	0506	102		1	ug/l		
1,1,1-Trichloroethane	71-55-6	EPA 624	J29436-1	02-May-06	24-May-06	SP114	0506	7.8		1	ug/l		
Methyl bromide	74-83-9	EPA 624	J29436-1	02-May-06	24-May-06	SP114	0506	0	U	1	ug/l		
Chloromethane	74-87-3	EPA 624	J29436-1	02-May-06	24-May-06	SP114	0506	0	U	1	ug/l		
Chloroethane	75-00-3	EPA 624	J29436-1	02-May-06	24-May-06	SP114	0506	0.83	J	1	ug/l		
Vinyl chloride	75-01-4	EPA 624	J29436-1	02-May-06	24-May-06	SP114	0506	71.2		2	ug/l		
Methylene chloride	75-09-2	EPA 624	J29436-1	02-May-06	24-May-06	SP114	0506	0	U	1	ug/l		
Bromoform	75-25-2	EPA 624	J29436-1	02-May-06	24-May-06	SP114	0506	0	U	1	ug/l		
Bromodichloromethane	75-27-4	EPA 624	J29436-1	02-May-06	24-May-06	SP114	0506	0	U	1	ug/l		
1,1-Dichloroethane	75-34-3	EPA 624	J29436-1	02-May-06	24-May-06	SP114	0506	21.1		1	ug/l		
1,1-Dichloroethene	75-35-4	EPA 624	J29436-1	02-May-06	24-May-06	SP114	0506	0	U	1	ug/l		
Trichlorofluoromethane	75-69-4	EPA 624	J29436-1	02-May-06	24-May-06	SP114	0506	0	U	2	ug/l		
Dichlorodifluoromethane	75-71-8	EPA 624	J29436-1	02-May-06	24-May-06	SP114	0506	0	U	2	ug/l		
1,2-Dichloropropane	78-87-5	EPA 624	J29436-1	02-May-06	24-May-06	SP114	0506	0	U	1	ug/l		
1,1,2-Trichloroethane	79-00-5	EPA 624	J29436-1	02-May-06	24-May-06	SP114	0506	0	U	1	ug/l		
Trichloroethene	79-01-6	EPA 624	J29436-1	02-May-06	24-May-06	SP114	0506	0.49	J	1	ug/l		
1,1,2,2-Tetrachloroethane	79-34-5	EPA 624	J29436-1	02-May-06	24-May-06	SP114	0506	0	U	1	ug/l		
1,2-Dichlorobenzene	95-50-1	EPA 624	J29436-1	02-May-06	24-May-06	SP114	0506	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	J29436-2	02-May-06	24-May-06	SP217	0506	0	U	1	ug/l		
cis-1,3-Dichloropropene	10061-01-5	EPA 624	J29436-2	02-May-06	24-May-06	SP217	0506	0	U	1	ug/l		
trans-1,3-Dichloropropene	10061-02-6	EPA 624	J29436-2	02-May-06	24-May-06	SP217	0506	0	U	1	ug/l		
1,4-Dichlorobenzene	106-46-7	EPA 624	J29436-2	02-May-06	24-May-06	SP217	0506	0	U	1	ug/l		
1,2-Dichloroethane	107-06-2	EPA 624	J29436-2	02-May-06	24-May-06	SP217	0506	0	U	1	ug/l		
Toluene	108-88-3	EPA 624	J29436-2	02-May-06	24-May-06	SP217	0506	0	U	1	ug/l		
Chlorobenzene	108-90-7	EPA 624	J29436-2	02-May-06	24-May-06	SP217	0506	0	U	1	ug/l		
Dibromochloromethane	124-48-1	EPA 624	J29436-2	02-May-06	24-May-06	SP217	0506	0	U	1	ug/l		
Tetrachloroethene	127-18-4	EPA 624	J29436-2	02-May-06	24-May-06	SP217	0506	0	U	1	ug/l		
Xylenes (total)	1330-20-7	EPA 624	J29436-2	02-May-06	24-May-06	SP217	0506	0	U	1	ug/l		
cis-1,2-Dichloroethene	156-59-2	EPA 624	J29436-2	02-May-06	24-May-06	SP217	0506	1.6		1	ug/l		
trans-1,2-Dichloroethene	156-60-5	EPA 624	J29436-2	02-May-06	24-May-06	SP217	0506	0	U	1	ug/l		
1,3-Dichlorobenzene	541-73-1	EPA 624	J29436-2	02-May-06	24-May-06	SP217	0506	0	U	1	ug/l		
Carbon tetrachloride	56-23-5	EPA 624	J29436-2	02-May-06	24-May-06	SP217	0506	0	U	1	ug/l		
Chloroform	67-66-3	EPA 624	J29436-2	02-May-06	24-May-06	SP217	0506	0.86	J	1	ug/l		
Benzene	71-43-2	EPA 624	J29436-2	02-May-06	24-May-06	SP217	0506	0	U	1	ug/l		
1,1,1-Trichloroethane	71-55-6	EPA 624	J29436-2	02-May-06	24-May-06	SP217	0506	0	U	1	ug/l		
Methyl bromide	74-83-9	EPA 624	J29436-2	02-May-06	24-May-06	SP217	0506	0	U	1	ug/l		
Chloromethane	74-87-3	EPA 624	J29436-2	02-May-06	24-May-06	SP217	0506	0	U	1	ug/l		
Chloroethane	75-00-3	EPA 624	J29436-2	02-May-06	24-May-06	SP217	0506	0	U	1	ug/l		
Vinyl chloride	75-01-4	EPA 624	J29436-2	02-May-06	24-May-06	SP217	0506	0	U	2	ug/l		
Methylene chloride	75-09-2	EPA 624	J29436-2	02-May-06	24-May-06	SP217	0506	0	U	1	ug/l		
Bromoform	75-25-2	EPA 624	J29436-2	02-May-06	24-May-06	SP217	0506	0	U	1	ug/l		
Bromodichloromethane	75-27-4	EPA 624	J29436-2	02-May-06	24-May-06	SP217	0506	0	U	1	ug/l		
1,1-Dichloroethane	75-34-3	EPA 624	J29436-2	02-May-06	24-May-06	SP217	0506	1.3		1	ug/l		
1,1-Dichloroethene	75-35-4	EPA 624	J29436-2	02-May-06	24-May-06	SP217	0506	0	U	1	ug/l		
Trichlorofluoromethane	75-69-4	EPA 624	J29436-2	02-May-06	24-May-06	SP217	0506	0	U	2	ug/l		
Dichlorodifluoromethane	75-71-8	EPA 624	J29436-2	02-May-06	24-May-06	SP217	0506	0	U	2	ug/l		
1,2-Dichloropropane	78-87-5	EPA 624	J29436-2	02-May-06	24-May-06	SP217	0506	0	U	1	ug/l		
1,1,2-Trichloroethane	79-00-5	EPA 624	J29436-2	02-May-06	24-May-06	SP217	0506	0	U	1	ug/l		
Trichloroethene	79-01-6	EPA 624	J29436-2	02-May-06	24-May-06	SP217	0506	0	U	1	ug/l		
1,1,2,2-Tetrachloroethane	79-34-5	EPA 624	J29436-2	02-May-06	24-May-06	SP217	0506	0	U	1	ug/l		
1,2-Dichlorobenzene	95-50-1	EPA 624	J29436-2	02-May-06	24-May-06	SP217	0506	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	EPA 200.7	J29436-3	02-May-06	24-May-06	SP219	0506	0	U	8	ug/l		
pH		EPA 150.1	J29436-3	02-May-06	24-May-06	SP219	0506	7.3			su		
Cyanide	57-12-5	EPA 335.3	J29436-3	02-May-06	24-May-06	SP219	0506	0	U	0.01	mg/l		
Aluminum, Total	7429-90-5	EPA 200.7	J29436-3	02-May-06	24-May-06	SP219	0506	0	U	100	ug/l		
Iron, Total	7439-89-6	EPA 200.7	J29436-3	02-May-06	24-May-06	SP219	0506	0	U	100	ug/l		
Lead, Total	7439-92-1	EPA 200.7	J29436-3	02-May-06	24-May-06	SP219	0506	0	U	3	ug/l		
Nickel, Total	7440-02-0	EPA 200.7	J29436-3	02-May-06	24-May-06	SP219	0506	0	U	40	ug/l		
Chromium, Total	7440-47-3	EPA 200.7	J29436-3	02-May-06	24-May-06	SP219	0506	0	U	10	ug/l		
Copper, Total	7440-50-8	EPA 200.7	J29436-3	02-May-06	24-May-06	SP219	0506	0	U	25	ug/l		
Zinc, Total	7440-66-6	EPA 200.7	J29436-3	02-May-06	24-May-06	SP219	0506	0	U	20	ug/l		
Oil And Grease		EPA 1664A	J29436-3	02-May-06	24-May-06	SP219	0506	0	U	5	mg/l		
Ethylbenzene	100-41-4	EPA 624	J29436-3	02-May-06	24-May-06	SP219	0506	0	U	1	ug/l		
cis-1,3-Dichloropropene	10061-01-5	EPA 624	J29436-3	02-May-06	24-May-06	SP219	0506	0	U	1	ug/l		
trans-1,3-Dichloropropene	10061-02-6	EPA 624	J29436-3	02-May-06	24-May-06	SP219	0506	0	U	1	ug/l		
1,4-Dichlorobenzene	106-46-7	EPA 624	J29436-3	02-May-06	24-May-06	SP219	0506	0	U	1	ug/l		
1,2-Dichloroethane	107-06-2	EPA 624	J29436-3	02-May-06	24-May-06	SP219	0506	0	U	1	ug/l		
Toluene	108-88-3	EPA 624	J29436-3	02-May-06	24-May-06	SP219	0506	0	U	1	ug/l		
Chlorobenzene	108-90-7	EPA 624	J29436-3	02-May-06	24-May-06	SP219	0506	0	U	1	ug/l		
Dibromochloromethane	124-48-1	EPA 624	J29436-3	02-May-06	24-May-06	SP219	0506	0	U	1	ug/l		
Tetrachloroethene	127-18-4	EPA 624	J29436-3	02-May-06	24-May-06	SP219	0506	0	U	1	ug/l		
Xylenes (total)	1330-20-7	EPA 624	J29436-3	02-May-06	24-May-06	SP219	0506	0	U	1	ug/l		
cis-1,2-Dichloroethene	156-59-2	EPA 624	J29436-3	02-May-06	24-May-06	SP219	0506	0	U	1	ug/l		
trans-1,2-Dichloroethene	156-60-5	EPA 624	J29436-3	02-May-06	24-May-06	SP219	0506	0	U	1	ug/l		
1,3-Dichlorobenzene	541-73-1	EPA 624	J29436-3	02-May-06	24-May-06	SP219	0506	0	U	1	ug/l		
Carbon tetrachloride	56-23-5	EPA 624	J29436-3	02-May-06	24-May-06	SP219	0506	0	U	1	ug/l		
Chloroform	67-66-3	EPA 624	J29436-3	02-May-06	24-May-06	SP219	0506	0.21	J	1	ug/l		
Benzene	71-43-2	EPA 624	J29436-3	02-May-06	24-May-06	SP219	0506	0	U	1	ug/l		
1,1,1-Trichloroethane	71-55-6	EPA 624	J29436-3	02-May-06	24-May-06	SP219	0506	0	U	1	ug/l		
Methyl bromide	74-83-9	EPA 624	J29436-3	02-May-06	24-May-06	SP219	0506	0	U	1	ug/l		
Chloromethane	74-87-3	EPA 624	J29436-3	02-May-06	24-May-06	SP219	0506	0	U	1	ug/l		
Chloroethane	75-00-3	EPA 624	J29436-3	02-May-06	24-May-06	SP219	0506	0	U	1	ug/l		
Vinyl chloride	75-01-4	EPA 624	J29436-3	02-May-06	24-May-06	SP219	0506	0	U	2	ug/l		
Methylene chloride	75-09-2	EPA 624	J29436-3	02-May-06	24-May-06	SP219	0506	0	U	1	ug/l		
Bromoform	75-25-2	EPA 624	J29436-3	02-May-06	24-May-06	SP219	0506	0	U	1	ug/l		
Bromodichloromethane	75-27-4	EPA 624	J29436-3	02-May-06	24-May-06	SP219	0506	0	U	1	ug/l		
1,1-Dichloroethane	75-34-3	EPA 624	J29436-3	02-May-06	24-May-06	SP219	0506	0	U	1	ug/l		
1,1-Dichloroethene	75-35-4	EPA 624	J29436-3	02-May-06	24-May-06	SP219	0506	0	U	1	ug/l		
Trichlorofluoromethane	75-69-4	EPA 624	J29436-3	02-May-06	24-May-06	SP219	0506	0	U	2	ug/l		
Dichlorodifluoromethane	75-71-8	EPA 624	J29436-3	02-May-06	24-May-06	SP219	0506	0	U	2	ug/l		
1,2-Dichloropropane	78-87-5	EPA 624	J29436-3	02-May-06	24-May-06	SP219	0506	0	U	1	ug/l		
1,1,2-Trichloroethane	79-00-5	EPA 624	J29436-3	02-May-06	24-May-06	SP219	0506	0	U	1	ug/l		
Trichloroethene	79-01-6	EPA 624	J29436-3	02-May-06	24-May-06	SP219	0506	0	U	1	ug/l		
1,1,2,2-Tetrachloroethane	79-34-5	EPA 624	J29436-3	02-May-06	24-May-06	SP219	0506	0	U	1	ug/l		

Analyte	casno	Method	Labsampid	Date Sampled	Validation Date	Sample	Location	Result	Code	RL	Units	Valid Result	Valid Code
1,2-Dichlorobenzene	95-50-1	EPA 624	J29436-3	02-May-06	24-May-06	SP219	0506	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	J29436-4	02-May-06	24-May-06	UNK	TRIP BLANK	0	U	1	ug/l		
cis-1,3-Dichloropropene	10061-01-5	EPA 624	J29436-4	02-May-06	24-May-06	UNK	TRIP BLANK	0	U	1	ug/l		
trans-1,3-Dichloropropene	10061-02-6	EPA 624	J29436-4	02-May-06	24-May-06	UNK	TRIP BLANK	0	U	1	ug/l		
1,4-Dichlorobenzene	106-46-7	EPA 624	J29436-4	02-May-06	24-May-06	UNK	TRIP BLANK	0	U	1	ug/l		
1,2-Dichloroethane	107-06-2	EPA 624	J29436-4	02-May-06	24-May-06	UNK	TRIP BLANK	0	U	1	ug/l		
Toluene	108-88-3	EPA 624	J29436-4	02-May-06	24-May-06	UNK	TRIP BLANK	0	U	1	ug/l		
Chlorobenzene	108-90-7	EPA 624	J29436-4	02-May-06	24-May-06	UNK	TRIP BLANK	0	U	1	ug/l		
Dibromochloromethane	124-48-1	EPA 624	J29436-4	02-May-06	24-May-06	UNK	TRIP BLANK	0	U	1	ug/l		
Tetrachloroethene	127-18-4	EPA 624	J29436-4	02-May-06	24-May-06	UNK	TRIP BLANK	0	U	1	ug/l		
Xylenes (total)	1330-20-7	EPA 624	J29436-4	02-May-06	24-May-06	UNK	TRIP BLANK	0	U	1	ug/l		
cis-1,2-Dichloroethene	156-59-2	EPA 624	J29436-4	02-May-06	24-May-06	UNK	TRIP BLANK	0	U	1	ug/l		
trans-1,2-Dichloroethene	156-60-5	EPA 624	J29436-4	02-May-06	24-May-06	UNK	TRIP BLANK	0	U	1	ug/l		
1,3-Dichlorobenzene	541-73-1	EPA 624	J29436-4	02-May-06	24-May-06	UNK	TRIP BLANK	0	U	1	ug/l		
Carbon tetrachloride	56-23-5	EPA 624	J29436-4	02-May-06	24-May-06	UNK	TRIP BLANK	0	U	1	ug/l		
Chloroform	67-66-3	EPA 624	J29436-4	02-May-06	24-May-06	UNK	TRIP BLANK	0	U	1	ug/l		
Benzene	71-43-2	EPA 624	J29436-4	02-May-06	24-May-06	UNK	TRIP BLANK	0	U	1	ug/l		
1,1,1-Trichloroethane	71-55-6	EPA 624	J29436-4	02-May-06	24-May-06	UNK	TRIP BLANK	0	U	1	ug/l		
Methyl bromide	74-83-9	EPA 624	J29436-4	02-May-06	24-May-06	UNK	TRIP BLANK	0	U	1	ug/l		
Chloromethane	74-87-3	EPA 624	J29436-4	02-May-06	24-May-06	UNK	TRIP BLANK	0	U	1	ug/l		
Chloroethane	75-00-3	EPA 624	J29436-4	02-May-06	24-May-06	UNK	TRIP BLANK	0	U	1	ug/l		
Vinyl chloride	75-01-4	EPA 624	J29436-4	02-May-06	24-May-06	UNK	TRIP BLANK	0	U	2	ug/l		
Methylene chloride	75-09-2	EPA 624	J29436-4	02-May-06	24-May-06	UNK	TRIP BLANK	0	U	1	ug/l		
Bromoform	75-25-2	EPA 624	J29436-4	02-May-06	24-May-06	UNK	TRIP BLANK	0	U	1	ug/l		
Bromodichloromethane	75-27-4	EPA 624	J29436-4	02-May-06	24-May-06	UNK	TRIP BLANK	0	U	1	ug/l		
1,1-Dichloroethane	75-34-3	EPA 624	J29436-4	02-May-06	24-May-06	UNK	TRIP BLANK	0	U	1	ug/l		
1,1-Dichloroethene	75-35-4	EPA 624	J29436-4	02-May-06	24-May-06	UNK	TRIP BLANK	0	U	1	ug/l		
Trichlorofluoromethane	75-69-4	EPA 624	J29436-4	02-May-06	24-May-06	UNK	TRIP BLANK	0	U	2	ug/l		
Dichlorodifluoromethane	75-71-8	EPA 624	J29436-4	02-May-06	24-May-06	UNK	TRIP BLANK	0	U	2	ug/l		
1,2-Dichloropropane	78-87-5	EPA 624	J29436-4	02-May-06	24-May-06	UNK	TRIP BLANK	0	U	1	ug/l		
1,1,2-Trichloroethane	79-00-5	EPA 624	J29436-4	02-May-06	24-May-06	UNK	TRIP BLANK	0	U	1	ug/l		
Trichloroethene	79-01-6	EPA 624	J29436-4	02-May-06	24-May-06	UNK	TRIP BLANK	0	U	1	ug/l		
1,1,2,2-Tetrachloroethane	79-34-5	EPA 624	J29436-4	02-May-06	24-May-06	UNK	TRIP BLANK	0	U	1	ug/l		
1,2-Dichlorobenzene	95-50-1	EPA 624	J29436-4	02-May-06	24-May-06	UNK	TRIP BLANK	0	U	1	ug/l		
Aluminum, Dissolved	7429-90-5	EPA 200.7	J29436-1F	02-May-06	24-May-06	SP114	0506	0	U	100	ug/l		
Aluminum, Dissolved	7429-90-5	EPA 200.7	J29436-3F	02-May-06	24-May-06	SP219	0506	0	U	100	ug/l		

DATA USABILITY SUMMARY REPORT FOR MAY 2006 WASTE SAMPLING

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

Two waste samples were collected from the Former Sinclair Refinery Site in Wellsville, New York on May 15, 2006. These samples were received by Accutest Laboratories (Accutest) within one day of collection on May 16, 2006. These samples were analyzed by Accutest for percent solids using the USEPA method 160.3. One waste sample was analyzed by Accutest for toxicity characteristic leaching procedure (TCLP) volatile organic compounds (VOCs) using the USEPA SW-846 method 8260B; the total metals arsenic and iron using the USEPA SW-826 method 6010B; TCLP arsenic using the USEPA SW-846 method 6010B; and corrosivity, reactivity, and ignitability using the USEPA SW-846 methods specified in Chapter 7. 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 waste 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 # J30626) 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, internal standard responses, laboratory control sample (LCS) recoveries, laboratory method blank and TCLP extraction blank contamination, instrument calibrations and verifications, 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.

TCLP VOLATILE ORGANIC ANALYSIS

The following items were reviewed for compliancy in 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 TCLP extraction blank contamination
- Internal standard responses
- Quantitation limits
- Sample result identifications
- Data completeness

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

TOTAL METAL AND TCLP METAL ANALYSIS

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

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

- Sample result identifications
- Data completeness

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

CORROSIVITY, IGNITABILITY, AND REACTIVITY ANALYSIS

The following items were reviewed for compliancy in the waste characteristic analyses:

- Custody documentation
- Holding times
- MS recoveries
- LCS recoveries
- Laboratory duplicate precision
- Instrument calibrations
- Laboratory method blank contamination
- Quantitation limits
- Sample result identifications
- Data Completeness

These items were considered compliant and acceptable in accordance with the validation protocols. Therefore, the waste characteristic 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	DL	Units	Valid Result	Valid Code
Iron, Total	7439-89-6	SW846 6010B	J30626-1	15-May-06	03-Jul-06	FPSLUDGE	0506	490000		120	mg/kg		
Arsenic, Total	7440-38-2	SW846 6010B	J30626-1	15-May-06	03-Jul-06	FPSLUDGE	0506	990		25	mg/kg		
Solids, Percent		EPA 160.3 M	J30626-1	15-May-06	03-Jul-06	FPSLUDGE	0506	80.9			%		
(Flashpoint)		SW846 CHAP7	J30626-1	15-May-06	03-Jul-06	FPSLUDGE	0506	0	U>		Deg. F		
Sulfide Reactivity		SW846 CHAP7	J30626-1	15-May-06	03-Jul-06	FPSLUDGE	0506	0	U	60	mg/kg		
1,4-Dichlorobenzene	106-46-7	SW846 8260B	J30626-1	15-May-06	03-Jul-06	FPSLUDGE	0506	0	U	0.005	mg/l		
1,2-Dichloroethane	107-06-2	SW846 8260B	J30626-1	15-May-06	03-Jul-06	FPSLUDGE	0506	0	U	0.005	mg/l		
Chlorobenzene	108-90-7	SW846 8260B	J30626-1	15-May-06	03-Jul-06	FPSLUDGE	0506	0	U	0.005	mg/l		
Tetrachloroethene	127-18-4	SW846 8260B	J30626-1	15-May-06	03-Jul-06	FPSLUDGE	0506	0	U	0.005	mg/l		
Carbon tetrachloride	56-23-5	SW846 8260B	J30626-1	15-May-06	03-Jul-06	FPSLUDGE	0506	0	U	0.005	mg/l		
Chloroform	67-66-3	SW846 8260B	J30626-1	15-May-06	03-Jul-06	FPSLUDGE	0506	0	U	0.005	mg/l		
Benzene	71-43-2	SW846 8260B	J30626-1	15-May-06	03-Jul-06	FPSLUDGE	0506	0	U	0.005	mg/l		
Vinyl chloride	75-01-4	SW846 8260B	J30626-1	15-May-06	03-Jul-06	FPSLUDGE	0506	0	U	0.025	mg/l		
1,1-Dichloroethene	75-35-4	SW846 8260B	J30626-1	15-May-06	03-Jul-06	FPSLUDGE	0506	0	U	0.005	mg/l		
2-Butanone (mek)	78-93-3	SW846 8260B	J30626-1	15-May-06	03-Jul-06	FPSLUDGE	0506	0	U	0.05	mg/l		
Trichloroethene	79-01-6	SW846 8260B	J30626-1	15-May-06	03-Jul-06	FPSLUDGE	0506	0	U	0.005	mg/l		
Cyanide Reactivity		SW846 CHAP7	J30626-1	15-May-06	03-Jul-06	FPSLUDGE	0506	0	U	6.2	mg/kg		
Corrosivity as pH		SW846 CHAP7	J30626-1	15-May-06	03-Jul-06	FPSLUDGE	0506	0	U				
Solids, Percent		EPA 160.3 M	J30626-2	15-May-06	03-Jul-06	CAKESLUDGE	0506	20			%		
Arsenic, Total	7440-38-2	SW846 6010B	J30626-1A	15-May-06	03-Jul-06	FPSLUDGE	0506	0	U	0.5	mg/l		

DATA USABILITY SUMMARY REPORT FOR JUNE 2006 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 June 1, 2006. These samples were received by Accutest Laboratories (Accutest) within one day of collection on June 2, 2006. 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 3.4°C. All samples were received intact and in good condition at Accutest.

The analytical data package generated by Accutest (Accutest Job # J32037) 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, 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 with the exception of MS recoveries. It was noted that the spiked recoveries for the compounds cis-1,2-dichloroethene (139%R; QC limit 69-133%R) and vinyl chloride (162%R; QC limit 56-159%R) exceeded QC acceptance limits during the spiked analysis of sample SP114-0606. However, validation qualification of the unspiked sample SP114-0606 was not required due to large concentrations of these compounds in the unspiked sample and the absence of the analysis of a MSD.

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	Location	Result	Code	RL	Units	Valid Result	Valid Code
pH		EPA 150.1	J32037-1	01-Jun-06	03-Jul-06	SP114	0606	6.64			su		
Aluminum, Total	7429-90-5	EPA 200.7	J32037-1	01-Jun-06	03-Jul-06	SP114	0606	0	U	100	ug/l		
Iron, Total	7439-89-6	EPA 200.7	J32037-1	01-Jun-06	03-Jul-06	SP114	0606	43400		100	ug/l		
Lead, Total	7439-92-1	EPA 200.7	J32037-1	01-Jun-06	03-Jul-06	SP114	0606	3		3	ug/l		
Nickel, Total	7440-02-0	EPA 200.7	J32037-1	01-Jun-06	03-Jul-06	SP114	0606	0	U	40	ug/l		
Arsenic, Total	7440-38-2	EPA 200.7	J32037-1	01-Jun-06	03-Jul-06	SP114	0606	90.2		8	ug/l		
Chromium, Total	7440-47-3	EPA 200.7	J32037-1	01-Jun-06	03-Jul-06	SP114	0606	0	U	10	ug/l		
Copper, Total	7440-50-8	EPA 200.7	J32037-1	01-Jun-06	03-Jul-06	SP114	0606	0	U	25	ug/l		
Zinc, Total	7440-66-6	EPA 200.7	J32037-1	01-Jun-06	03-Jul-06	SP114	0606	0	U	20	ug/l		
Ethylbenzene	100-41-4	EPA 624	J32037-1	01-Jun-06	03-Jul-06	SP114	0606	7.5		1	ug/l		
cis-1,3-Dichloropropene	10061-01-5	EPA 624	J32037-1	01-Jun-06	03-Jul-06	SP114	0606	0	U	1	ug/l		
trans-1,3-Dichloropropene	10061-02-6	EPA 624	J32037-1	01-Jun-06	03-Jul-06	SP114	0606	0	U	1	ug/l		
1,4-Dichlorobenzene	106-46-7	EPA 624	J32037-1	01-Jun-06	03-Jul-06	SP114	0606	0	U	1	ug/l		
1,2-Dichloroethane	107-06-2	EPA 624	J32037-1	01-Jun-06	03-Jul-06	SP114	0606	0	U	1	ug/l		
Toluene	108-88-3	EPA 624	J32037-1	01-Jun-06	03-Jul-06	SP114	0606	7.9		1	ug/l		
Chlorobenzene	108-90-7	EPA 624	J32037-1	01-Jun-06	03-Jul-06	SP114	0606	0.56	J	1	ug/l		
Dibromochloromethane	124-48-1	EPA 624	J32037-1	01-Jun-06	03-Jul-06	SP114	0606	0	U	1	ug/l		
Tetrachloroethene	127-18-4	EPA 624	J32037-1	01-Jun-06	03-Jul-06	SP114	0606	0	U	1	ug/l		
Xylenes (total)	1330-20-7	EPA 624	J32037-1	01-Jun-06	03-Jul-06	SP114	0606	12		1	ug/l		
cis-1,2-Dichloroethene	156-59-2	EPA 624	J32037-1	01-Jun-06	03-Jul-06	SP114	0606	55.3		1	ug/l		
trans-1,2-Dichloroethene	156-60-5	EPA 624	J32037-1	01-Jun-06	03-Jul-06	SP114	0606	1		1	ug/l		
1,3-Dichlorobenzene	541-73-1	EPA 624	J32037-1	01-Jun-06	03-Jul-06	SP114	0606	0	U	1	ug/l		
Carbon tetrachloride	56-23-5	EPA 624	J32037-1	01-Jun-06	03-Jul-06	SP114	0606	0	U	1	ug/l		
Chloroform	67-66-3	EPA 624	J32037-1	01-Jun-06	03-Jul-06	SP114	0606	0	U	1	ug/l		
Benzene	71-43-2	EPA 624	J32037-1	01-Jun-06	03-Jul-06	SP114	0606	82.5		1	ug/l		
1,1,1-Trichloroethane	71-55-6	EPA 624	J32037-1	01-Jun-06	03-Jul-06	SP114	0606	8.3		1	ug/l		
Methyl bromide	74-83-9	EPA 624	J32037-1	01-Jun-06	03-Jul-06	SP114	0606	0	U	1	ug/l		
Chloromethane	74-87-3	EPA 624	J32037-1	01-Jun-06	03-Jul-06	SP114	0606	0	U	1	ug/l		
Chloroethane	75-00-3	EPA 624	J32037-1	01-Jun-06	03-Jul-06	SP114	0606	0.66	J	1	ug/l		
Vinyl chloride	75-01-4	EPA 624	J32037-1	01-Jun-06	03-Jul-06	SP114	0606	85.7		2	ug/l		
Methylene chloride	75-09-2	EPA 624	J32037-1	01-Jun-06	03-Jul-06	SP114	0606	0	U	1	ug/l		
Bromoform	75-25-2	EPA 624	J32037-1	01-Jun-06	03-Jul-06	SP114	0606	0	U	1	ug/l		
Bromodichloromethane	75-27-4	EPA 624	J32037-1	01-Jun-06	03-Jul-06	SP114	0606	0	U	1	ug/l		
1,1-Dichloroethane	75-34-3	EPA 624	J32037-1	01-Jun-06	03-Jul-06	SP114	0606	16.7		1	ug/l		
1,1-Dichloroethene	75-35-4	EPA 624	J32037-1	01-Jun-06	03-Jul-06	SP114	0606	0	U	1	ug/l		
Trichlorofluoromethane	75-69-4	EPA 624	J32037-1	01-Jun-06	03-Jul-06	SP114	0606	0	U	2	ug/l		
Dichlorodifluoromethane	75-71-8	EPA 624	J32037-1	01-Jun-06	03-Jul-06	SP114	0606	0	U	2	ug/l		
1,2-Dichloropropane	78-87-5	EPA 624	J32037-1	01-Jun-06	03-Jul-06	SP114	0606	0	U	1	ug/l		
1,1,2-Trichloroethane	79-00-5	EPA 624	J32037-1	01-Jun-06	03-Jul-06	SP114	0606	0	U	1	ug/l		
Trichloroethene	79-01-6	EPA 624	J32037-1	01-Jun-06	03-Jul-06	SP114	0606	0	U	1	ug/l		
1,1,2,2-Tetrachloroethane	79-34-5	EPA 624	J32037-1	01-Jun-06	03-Jul-06	SP114	0606	0	U	1	ug/l		
1,2-Dichlorobenzene	95-50-1	EPA 624	J32037-1	01-Jun-06	03-Jul-06	SP114	0606	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	J32037-2	01-Jun-06	03-Jul-06	SP217	0606	0	U	1	ug/l		
cis-1,3-Dichloropropene	10061-01-5	EPA 624	J32037-2	01-Jun-06	03-Jul-06	SP217	0606	0	U	1	ug/l		
trans-1,3-Dichloropropene	10061-02-6	EPA 624	J32037-2	01-Jun-06	03-Jul-06	SP217	0606	0	U	1	ug/l		
1,4-Dichlorobenzene	106-46-7	EPA 624	J32037-2	01-Jun-06	03-Jul-06	SP217	0606	0	U	1	ug/l		
1,2-Dichloroethane	107-06-2	EPA 624	J32037-2	01-Jun-06	03-Jul-06	SP217	0606	0	U	1	ug/l		
Toluene	108-88-3	EPA 624	J32037-2	01-Jun-06	03-Jul-06	SP217	0606	0	U	1	ug/l		
Chlorobenzene	108-90-7	EPA 624	J32037-2	01-Jun-06	03-Jul-06	SP217	0606	0	U	1	ug/l		
Dibromochloromethane	124-48-1	EPA 624	J32037-2	01-Jun-06	03-Jul-06	SP217	0606	0	U	1	ug/l		
Tetrachloroethene	127-18-4	EPA 624	J32037-2	01-Jun-06	03-Jul-06	SP217	0606	0	U	1	ug/l		
Xylenes (total)	1330-20-7	EPA 624	J32037-2	01-Jun-06	03-Jul-06	SP217	0606	0	U	1	ug/l		
cis-1,2-Dichloroethene	156-59-2	EPA 624	J32037-2	01-Jun-06	03-Jul-06	SP217	0606	5		1	ug/l		
trans-1,2-Dichloroethene	156-60-5	EPA 624	J32037-2	01-Jun-06	03-Jul-06	SP217	0606	0	U	1	ug/l		
1,3-Dichlorobenzene	541-73-1	EPA 624	J32037-2	01-Jun-06	03-Jul-06	SP217	0606	0	U	1	ug/l		
Carbon tetrachloride	56-23-5	EPA 624	J32037-2	01-Jun-06	03-Jul-06	SP217	0606	0	U	1	ug/l		
Chloroform	67-66-3	EPA 624	J32037-2	01-Jun-06	03-Jul-06	SP217	0606	1.3		1	ug/l		
Benzene	71-43-2	EPA 624	J32037-2	01-Jun-06	03-Jul-06	SP217	0606	0.21	J	1	ug/l		
1,1,1-Trichloroethane	71-55-6	EPA 624	J32037-2	01-Jun-06	03-Jul-06	SP217	0606	1.3		1	ug/l		
Methyl bromide	74-83-9	EPA 624	J32037-2	01-Jun-06	03-Jul-06	SP217	0606	0	U	1	ug/l		
Chloromethane	74-87-3	EPA 624	J32037-2	01-Jun-06	03-Jul-06	SP217	0606	0	U	1	ug/l		
Chloroethane	75-00-3	EPA 624	J32037-2	01-Jun-06	03-Jul-06	SP217	0606	0	U	1	ug/l		
Vinyl chloride	75-01-4	EPA 624	J32037-2	01-Jun-06	03-Jul-06	SP217	0606	1.5	J	2	ug/l		
Methylene chloride	75-09-2	EPA 624	J32037-2	01-Jun-06	03-Jul-06	SP217	0606	0	U	1	ug/l		
Bromoform	75-25-2	EPA 624	J32037-2	01-Jun-06	03-Jul-06	SP217	0606	0	U	1	ug/l		
Bromodichloromethane	75-27-4	EPA 624	J32037-2	01-Jun-06	03-Jul-06	SP217	0606	0.3	J	1	ug/l		
1,1-Dichloroethane	75-34-3	EPA 624	J32037-2	01-Jun-06	03-Jul-06	SP217	0606	4.2		1	ug/l		
1,1-Dichloroethene	75-35-4	EPA 624	J32037-2	01-Jun-06	03-Jul-06	SP217	0606	0	U	1	ug/l		
Trichlorofluoromethane	75-69-4	EPA 624	J32037-2	01-Jun-06	03-Jul-06	SP217	0606	0	U	2	ug/l		
Dichlorodifluoromethane	75-71-8	EPA 624	J32037-2	01-Jun-06	03-Jul-06	SP217	0606	0	U	2	ug/l		
1,2-Dichloropropane	78-87-5	EPA 624	J32037-2	01-Jun-06	03-Jul-06	SP217	0606	0	U	1	ug/l		
1,1,2-Trichloroethane	79-00-5	EPA 624	J32037-2	01-Jun-06	03-Jul-06	SP217	0606	0	U	1	ug/l		
Trichloroethene	79-01-6	EPA 624	J32037-2	01-Jun-06	03-Jul-06	SP217	0606	0	U	1	ug/l		
1,1,2,2-Tetrachloroethane	79-34-5	EPA 624	J32037-2	01-Jun-06	03-Jul-06	SP217	0606	0	U	1	ug/l		
1,2-Dichlorobenzene	95-50-1	EPA 624	J32037-2	01-Jun-06	03-Jul-06	SP217	0606	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	J32037-3	01-Jun-06	03-Jul-06	SP219	0606	7.22			su		
Cyanide	57-12-5	EPA 335.3	J32037-3	01-Jun-06	03-Jul-06	SP219	0606	0	U	0.01	mg/l		
Aluminum, Total	7429-90-5	EPA 200.7	J32037-3	01-Jun-06	03-Jul-06	SP219	0606	0	U	100	ug/l		
Iron, Total	7439-89-6	EPA 200.7	J32037-3	01-Jun-06	03-Jul-06	SP219	0606	0	U	100	ug/l		
Lead, Total	7439-92-1	EPA 200.7	J32037-3	01-Jun-06	03-Jul-06	SP219	0606	0	U	3	ug/l		
Nickel, Total	7440-02-0	EPA 200.7	J32037-3	01-Jun-06	03-Jul-06	SP219	0606	0	U	40	ug/l		
Arsenic, Total	7440-38-2	EPA 200.7	J32037-3	01-Jun-06	03-Jul-06	SP219	0606	0	U	8	ug/l		
Chromium, Total	7440-47-3	EPA 200.7	J32037-3	01-Jun-06	03-Jul-06	SP219	0606	0	U	10	ug/l		
Copper, Total	7440-50-8	EPA 200.7	J32037-3	01-Jun-06	03-Jul-06	SP219	0606	0	U	25	ug/l		
Zinc, Total	7440-66-6	EPA 200.7	J32037-3	01-Jun-06	03-Jul-06	SP219	0606	0	U	20	ug/l		
Oil And Grease		EPA 1664A	J32037-3	01-Jun-06	03-Jul-06	SP219	0606	0	U	5.2	mg/l		
Ethylbenzene	100-41-4	EPA 624	J32037-3	01-Jun-06	03-Jul-06	SP219	0606	0	U	1	ug/l		
cis-1,3-Dichloropropene	10061-01-5	EPA 624	J32037-3	01-Jun-06	03-Jul-06	SP219	0606	0	U	1	ug/l		
trans-1,3-Dichloropropene	10061-02-6	EPA 624	J32037-3	01-Jun-06	03-Jul-06	SP219	0606	0	U	1	ug/l		
1,4-Dichlorobenzene	106-46-7	EPA 624	J32037-3	01-Jun-06	03-Jul-06	SP219	0606	0	U	1	ug/l		
1,2-Dichloroethane	107-06-2	EPA 624	J32037-3	01-Jun-06	03-Jul-06	SP219	0606	0	U	1	ug/l		
Toluene	108-88-3	EPA 624	J32037-3	01-Jun-06	03-Jul-06	SP219	0606	0	U	1	ug/l		
Chlorobenzene	108-90-7	EPA 624	J32037-3	01-Jun-06	03-Jul-06	SP219	0606	0	U	1	ug/l		
Dibromochloromethane	124-48-1	EPA 624	J32037-3	01-Jun-06	03-Jul-06	SP219	0606	0	U	1	ug/l		
Tetrachloroethene	127-18-4	EPA 624	J32037-3	01-Jun-06	03-Jul-06	SP219	0606	0	U	1	ug/l		
Xylenes (total)	1330-20-7	EPA 624	J32037-3	01-Jun-06	03-Jul-06	SP219	0606	0	U	1	ug/l		
cis-1,2-Dichloroethene	156-59-2	EPA 624	J32037-3	01-Jun-06	03-Jul-06	SP219	0606	0	U	1	ug/l		
trans-1,2-Dichloroethene	156-60-5	EPA 624	J32037-3	01-Jun-06	03-Jul-06	SP219	0606	0	U	1	ug/l		
1,3-Dichlorobenzene	541-73-1	EPA 624	J32037-3	01-Jun-06	03-Jul-06	SP219	0606	0	U	1	ug/l		
Carbon tetrachloride	56-23-5	EPA 624	J32037-3	01-Jun-06	03-Jul-06	SP219	0606	0	U	1	ug/l		
Chloroform	67-66-3	EPA 624	J32037-3	01-Jun-06	03-Jul-06	SP219	0606	0.76	J	1	ug/l		
Benzene	71-43-2	EPA 624	J32037-3	01-Jun-06	03-Jul-06	SP219	0606	0	U	1	ug/l		
1,1,1-Trichloroethane	71-55-6	EPA 624	J32037-3	01-Jun-06	03-Jul-06	SP219	0606	0.37	J	1	ug/l		
Methyl bromide	74-83-9	EPA 624	J32037-3	01-Jun-06	03-Jul-06	SP219	0606	0	U	1	ug/l		
Chloromethane	74-87-3	EPA 624	J32037-3	01-Jun-06	03-Jul-06	SP219	0606	0	U	1	ug/l		
Chloroethane	75-00-3	EPA 624	J32037-3	01-Jun-06	03-Jul-06	SP219	0606	0	U	1	ug/l		
Vinyl chloride	75-01-4	EPA 624	J32037-3	01-Jun-06	03-Jul-06	SP219	0606	0.5	J	2	ug/l		
Methylene chloride	75-09-2	EPA 624	J32037-3	01-Jun-06	03-Jul-06	SP219	0606	0	U	1	ug/l		
Bromoform	75-25-2	EPA 624	J32037-3	01-Jun-06	03-Jul-06	SP219	0606	0	U	1	ug/l		
Bromodichloromethane	75-27-4	EPA 624	J32037-3	01-Jun-06	03-Jul-06	SP219	0606	0	U	1	ug/l		
1,1-Dichloroethane	75-34-3	EPA 624	J32037-3	01-Jun-06	03-Jul-06	SP219	0606	1.9		1	ug/l		
1,1-Dichloroethene	75-35-4	EPA 624	J32037-3	01-Jun-06	03-Jul-06	SP219	0606	0	U	1	ug/l		
Trichlorofluoromethane	75-69-4	EPA 624	J32037-3	01-Jun-06	03-Jul-06	SP219	0606	0	U	2	ug/l		
Dichlorodifluoromethane	75-71-8	EPA 624	J32037-3	01-Jun-06	03-Jul-06	SP219	0606	0	U	2	ug/l		
1,2-Dichloropropane	78-87-5	EPA 624	J32037-3	01-Jun-06	03-Jul-06	SP219	0606	0	U	1	ug/l		
1,1,2-Trichloroethane	79-00-5	EPA 624	J32037-3	01-Jun-06	03-Jul-06	SP219	0606	0	U	1	ug/l		
Trichloroethene	79-01-6	EPA 624	J32037-3	01-Jun-06	03-Jul-06	SP219	0606	0	U	1	ug/l		
1,1,2,2-Tetrachloroethane	79-34-5	EPA 624	J32037-3	01-Jun-06	03-Jul-06	SP219	0606	0	U	1	ug/l		

Analyte	casno	Method	Labsampid	Date Sampled	Validation Date	Sample	Location	Result	Code	RL	Units	Valid Result	Valid Code
1,2-Dichlorobenzene	95-50-1	EPA 624	J32037-3	01-Jun-06	03-Jul-06	SP219	0606	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	J32037-4	01-Jun-06	03-Jul-06	UNK	TRIP BLANK	0	U	1	ug/l		
cis-1,3-Dichloropropene	10061-01-5	EPA 624	J32037-4	01-Jun-06	03-Jul-06	UNK	TRIP BLANK	0	U	1	ug/l		
trans-1,3-Dichloropropene	10061-02-6	EPA 624	J32037-4	01-Jun-06	03-Jul-06	UNK	TRIP BLANK	0	U	1	ug/l		
1,4-Dichlorobenzene	106-46-7	EPA 624	J32037-4	01-Jun-06	03-Jul-06	UNK	TRIP BLANK	0	U	1	ug/l		
1,2-Dichloroethane	107-06-2	EPA 624	J32037-4	01-Jun-06	03-Jul-06	UNK	TRIP BLANK	0	U	1	ug/l		
Toluene	108-88-3	EPA 624	J32037-4	01-Jun-06	03-Jul-06	UNK	TRIP BLANK	0	U	1	ug/l		
Chlorobenzene	108-90-7	EPA 624	J32037-4	01-Jun-06	03-Jul-06	UNK	TRIP BLANK	0	U	1	ug/l		
Dibromochloromethane	124-48-1	EPA 624	J32037-4	01-Jun-06	03-Jul-06	UNK	TRIP BLANK	0	U	1	ug/l		
Tetrachloroethene	127-18-4	EPA 624	J32037-4	01-Jun-06	03-Jul-06	UNK	TRIP BLANK	0	U	1	ug/l		
Xylenes (total)	1330-20-7	EPA 624	J32037-4	01-Jun-06	03-Jul-06	UNK	TRIP BLANK	0	U	1	ug/l		
cis-1,2-Dichloroethene	156-59-2	EPA 624	J32037-4	01-Jun-06	03-Jul-06	UNK	TRIP BLANK	0	U	1	ug/l		
trans-1,2-Dichloroethene	156-60-5	EPA 624	J32037-4	01-Jun-06	03-Jul-06	UNK	TRIP BLANK	0	U	1	ug/l		
1,3-Dichlorobenzene	541-73-1	EPA 624	J32037-4	01-Jun-06	03-Jul-06	UNK	TRIP BLANK	0	U	1	ug/l		
Carbon tetrachloride	56-23-5	EPA 624	J32037-4	01-Jun-06	03-Jul-06	UNK	TRIP BLANK	0	U	1	ug/l		
Chloroform	67-66-3	EPA 624	J32037-4	01-Jun-06	03-Jul-06	UNK	TRIP BLANK	0	U	1	ug/l		
Benzene	71-43-2	EPA 624	J32037-4	01-Jun-06	03-Jul-06	UNK	TRIP BLANK	0	U	1	ug/l		
1,1,1-Trichloroethane	71-55-6	EPA 624	J32037-4	01-Jun-06	03-Jul-06	UNK	TRIP BLANK	0	U	1	ug/l		
Methyl bromide	74-83-9	EPA 624	J32037-4	01-Jun-06	03-Jul-06	UNK	TRIP BLANK	0	U	1	ug/l		
Chloromethane	74-87-3	EPA 624	J32037-4	01-Jun-06	03-Jul-06	UNK	TRIP BLANK	0	U	1	ug/l		
Chloroethane	75-00-3	EPA 624	J32037-4	01-Jun-06	03-Jul-06	UNK	TRIP BLANK	0	U	1	ug/l		
Vinyl chloride	75-01-4	EPA 624	J32037-4	01-Jun-06	03-Jul-06	UNK	TRIP BLANK	0	U	2	ug/l		
Methylene chloride	75-09-2	EPA 624	J32037-4	01-Jun-06	03-Jul-06	UNK	TRIP BLANK	0	U	1	ug/l		
Bromoform	75-25-2	EPA 624	J32037-4	01-Jun-06	03-Jul-06	UNK	TRIP BLANK	0	U	1	ug/l		
Bromodichloromethane	75-27-4	EPA 624	J32037-4	01-Jun-06	03-Jul-06	UNK	TRIP BLANK	0	U	1	ug/l		
1,1-Dichloroethane	75-34-3	EPA 624	J32037-4	01-Jun-06	03-Jul-06	UNK	TRIP BLANK	0	U	1	ug/l		
1,1-Dichloroethene	75-35-4	EPA 624	J32037-4	01-Jun-06	03-Jul-06	UNK	TRIP BLANK	0	U	1	ug/l		
Trichlorofluoromethane	75-69-4	EPA 624	J32037-4	01-Jun-06	03-Jul-06	UNK	TRIP BLANK	0	U	2	ug/l		
Dichlorodifluoromethane	75-71-8	EPA 624	J32037-4	01-Jun-06	03-Jul-06	UNK	TRIP BLANK	0	U	2	ug/l		
1,2-Dichloropropane	78-87-5	EPA 624	J32037-4	01-Jun-06	03-Jul-06	UNK	TRIP BLANK	0	U	1	ug/l		
1,1,2-Trichloroethane	79-00-5	EPA 624	J32037-4	01-Jun-06	03-Jul-06	UNK	TRIP BLANK	0	U	1	ug/l		
Trichloroethene	79-01-6	EPA 624	J32037-4	01-Jun-06	03-Jul-06	UNK	TRIP BLANK	0	U	1	ug/l		
1,1,2,2-Tetrachloroethane	79-34-5	EPA 624	J32037-4	01-Jun-06	03-Jul-06	UNK	TRIP BLANK	0	U	1	ug/l		
1,2-Dichlorobenzene	95-50-1	EPA 624	J32037-4	01-Jun-06	03-Jul-06	UNK	TRIP BLANK	0	U	1	ug/l		
Aluminum, Dissolved	7429-90-5	EPA 200.7	J32037-1F	01-Jun-06	03-Jul-06	SP114	0606	0	U	100	ug/l		
Aluminum, Dissolved	7429-90-5	EPA 200.7	J32037-3F	01-Jun-06	03-Jul-06	SP219	0606	0	U	100	ug/l		

DATA USABILITY SUMMARY REPORT FOR INTERIM GROUNDWATER MONITORING

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

Fourteen groundwater samples, three field QC equipment blanks, and three field QC trip blanks were collected from the Former Sinclair Refinery Site in Wellsville, New York on June 13, 2006 through June 21, 2006. These samples were received by Accutest Laboratories (Accutest) within one to two days of collection on June 15, 2006, June 17, 2006, and June 22, 2006. 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 3-5°C. All samples were received intact and in good condition at Accutest.

The analytical data packages generated by Accutest (Accutest Job #s J33288, J33534, and J33914) were received by On-Site within 20-23 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 and equipment blank contamination, instrument calibrations, internal standard responses, laboratory duplicate precision, field 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 tables with the "Valid Result" and "Valid Code" columns representing changes in

laboratory data resulting from data validation. Therefore, the nondetected aniline results for samples MW10-0606 and EB2-0606 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 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
- 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
- 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 aniline (31.6%D) in the continuing calibration associated with samples MW10-0606 and EB2-0606. Therefore, the aniline results for these samples which were nondetects, were considered estimated and qualified "UJ".

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
- 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	J33288-1	13-Jun-06	15-Aug-06	MW9	0606	11		8	ug/l		
Ethylbenzene	100-41-4	SW846 8260B	J33288-1	13-Jun-06	15-Aug-06	MW9	0606	0	U	1	ug/l		
Toluene	108-88-3	SW846 8260B	J33288-1	13-Jun-06	15-Aug-06	MW9	0606	0	U	1	ug/l		
Xylene (total)	1330-20-7	SW846 8260B	J33288-1	13-Jun-06	15-Aug-06	MW9	0606	0	U	1	ug/l		
Benzene	71-43-2	SW846 8260B	J33288-1	13-Jun-06	15-Aug-06	MW9	0606	0.58	J	1	ug/l		
Arsenic, Total	7440-38-2	SW846 6010B	J33288-2	13-Jun-06	15-Aug-06	MW55	0606	61.5		8	ug/l		
Ethylbenzene	100-41-4	SW846 8260B	J33288-2	13-Jun-06	15-Aug-06	MW55	0606	49.1		1	ug/l		
Toluene	108-88-3	SW846 8260B	J33288-2	13-Jun-06	15-Aug-06	MW55	0606	11.7		1	ug/l		
Xylene (total)	1330-20-7	SW846 8260B	J33288-2	13-Jun-06	15-Aug-06	MW55	0606	48.2		1	ug/l		
Benzene	71-43-2	SW846 8260B	J33288-2	13-Jun-06	15-Aug-06	MW55	0606	28.4		1	ug/l		
Arsenic, Total	7440-38-2	SW846 6010B	J33288-3	13-Jun-06	15-Aug-06	MW69A	0606	48.2		8	ug/l		
Ethylbenzene	100-41-4	SW846 8260B	J33288-3	13-Jun-06	15-Aug-06	MW69A	0606	0.54	J	1	ug/l		
Toluene	108-88-3	SW846 8260B	J33288-3	13-Jun-06	15-Aug-06	MW69A	0606	0.4	J	1	ug/l		
Xylene (total)	1330-20-7	SW846 8260B	J33288-3	13-Jun-06	15-Aug-06	MW69A	0606	0	U	1	ug/l		
cis-1,2-Dichloroethene	156-59-2	SW846 8260B	J33288-3	13-Jun-06	15-Aug-06	MW69A	0606	3.7		1	ug/l		
Benzene	71-43-2	SW846 8260B	J33288-3	13-Jun-06	15-Aug-06	MW69A	0606	56.9		1	ug/l		
Vinyl chloride	75-01-4	SW846 8260B	J33288-3	13-Jun-06	15-Aug-06	MW69A	0606	9.7		1	ug/l		
Arsenic, Total	7440-38-2	SW846 6010B	J33288-4	13-Jun-06	15-Aug-06	EB1	0606	0	U	8	ug/l		
Ethylbenzene	100-41-4	SW846 8260B	J33288-4	13-Jun-06	15-Aug-06	EB1	0606	0	U	1	ug/l		
Toluene	108-88-3	SW846 8260B	J33288-4	13-Jun-06	15-Aug-06	EB1	0606	0	U	1	ug/l		
Xylene (total)	1330-20-7	SW846 8260B	J33288-4	13-Jun-06	15-Aug-06	EB1	0606	0	U	1	ug/l		
cis-1,2-Dichloroethene	156-59-2	SW846 8260B	J33288-4	13-Jun-06	15-Aug-06	EB1	0606	0	U	1	ug/l		
Benzene	71-43-2	SW846 8260B	J33288-4	13-Jun-06	15-Aug-06	EB1	0606	0	U	1	ug/l		
Vinyl chloride	75-01-4	SW846 8260B	J33288-4	13-Jun-06	15-Aug-06	EB1	0606	0	U	1	ug/l		
Arsenic, Total	7440-38-2	SW846 6010B	J33288-5	14-Jun-06	15-Aug-06	MW11	0606	27.7		8	ug/l		
Ethylbenzene	100-41-4	SW846 8260B	J33288-5	14-Jun-06	15-Aug-06	MW11	0606	0	U	1	ug/l		
Toluene	108-88-3	SW846 8260B	J33288-5	14-Jun-06	15-Aug-06	MW11	0606	0	U	1	ug/l		
Xylene (total)	1330-20-7	SW846 8260B	J33288-5	14-Jun-06	15-Aug-06	MW11	0606	0	U	1	ug/l		
Benzene	71-43-2	SW846 8260B	J33288-5	14-Jun-06	15-Aug-06	MW11	0606	0	U	1	ug/l		
Arsenic, Total	7440-38-2	SW846 6010B	J33288-6	14-Jun-06	15-Aug-06	MW78	0606	26		8	ug/l		
Ethylbenzene	100-41-4	SW846 8260B	J33288-6	14-Jun-06	15-Aug-06	MW78	0606	0	U	1	ug/l		
Toluene	108-88-3	SW846 8260B	J33288-6	14-Jun-06	15-Aug-06	MW78	0606	0	U	1	ug/l		
Xylene (total)	1330-20-7	SW846 8260B	J33288-6	14-Jun-06	15-Aug-06	MW78	0606	0	U	1	ug/l		
Benzene	71-43-2	SW846 8260B	J33288-6	14-Jun-06	15-Aug-06	MW78	0606	4		1	ug/l		
Ethylbenzene	100-41-4	SW846 8260B	J33288-7	14-Jun-06	15-Aug-06	UNK	TRIP BLANK	0	U	1	ug/l		
Toluene	108-88-3	SW846 8260B	J33288-7	14-Jun-06	15-Aug-06	UNK	TRIP BLANK	0	U	1	ug/l		
Xylene (total)	1330-20-7	SW846 8260B	J33288-7	14-Jun-06	15-Aug-06	UNK	TRIP BLANK	0	U	1	ug/l		
Benzene	71-43-2	SW846 8260B	J33288-7	14-Jun-06	15-Aug-06	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
2-Aminophenol	95-55-6	SW846 8270C	J33534-3	15-Jun-06	15-Aug-06	OW3	0606	0	U	20	ug/l		
Ethylbenzene	100-41-4	SW846 8260B	J33534-3	15-Jun-06	15-Aug-06	OW3	0606	8.3		1	ug/l		
Toluene	108-88-3	SW846 8260B	J33534-3	15-Jun-06	15-Aug-06	OW3	0606	22		1	ug/l		
Xylene (total)	1330-20-7	SW846 8260B	J33534-3	15-Jun-06	15-Aug-06	OW3	0606	52.4		1	ug/l		
Benzene	71-43-2	SW846 8260B	J33534-3	15-Jun-06	15-Aug-06	OW3	0606	7.9		1	ug/l		
Arsenic, Total	7440-38-2	SW846 6010B	J33534-1	15-Jun-06	15-Aug-06	OW1	0606	80.4		8	ug/l		
Azobenzene	103-33-3	SW846 8270C	J33534-1	15-Jun-06	15-Aug-06	OW1	0606	0	U	5	ug/l		
Azoxybenzene	495-48-7	SW846 8270C	J33534-1	15-Jun-06	15-Aug-06	OW1	0606	0	U	5	ug/l		
Aniline	62-53-3	SW846 8270C	J33534-1	15-Jun-06	15-Aug-06	OW1	0606	0	U	2	ug/l		
2-Aminophenol	95-55-6	SW846 8270C	J33534-1	15-Jun-06	15-Aug-06	OW1	0606	0	U	20	ug/l		
Nitrobenzene	98-95-3	SW846 8270C	J33534-1	15-Jun-06	15-Aug-06	OW1	0606	0	U	2	ug/l		
Ethylbenzene	100-41-4	SW846 8260B	J33534-1	15-Jun-06	15-Aug-06	OW1	0606	0.48	J	1	ug/l		
Toluene	108-88-3	SW846 8260B	J33534-1	15-Jun-06	15-Aug-06	OW1	0606	2.7		1	ug/l		
Xylene (total)	1330-20-7	SW846 8260B	J33534-1	15-Jun-06	15-Aug-06	OW1	0606	1.6		1	ug/l		
Benzene	71-43-2	SW846 8260B	J33534-1	15-Jun-06	15-Aug-06	OW1	0606	39.4		1	ug/l		
Aniline	62-53-3	SW846 8270C	J33534-2	15-Jun-06	15-Aug-06	MW70	0606	7690		200	ug/l		
Nitrobenzene	98-95-3	SW846 8270C	J33534-2	15-Jun-06	15-Aug-06	MW70	0606	3130		200	ug/l		
Arsenic, Total	7440-38-2	SW846 6010B	J33534-2	15-Jun-06	15-Aug-06	MW70	0606	32.6		8	ug/l		
Azobenzene	103-33-3	SW846 8270C	J33534-2	15-Jun-06	15-Aug-06	MW70	0606	0	U	5	ug/l		
Azoxybenzene	495-48-7	SW846 8270C	J33534-2	15-Jun-06	15-Aug-06	MW70	0606	0	U	5	ug/l		
2-Aminophenol	95-55-6	SW846 8270C	J33534-2	15-Jun-06	15-Aug-06	MW70	0606	0	U	20	ug/l		
Ethylbenzene	100-41-4	SW846 8260B	J33534-2	15-Jun-06	15-Aug-06	MW70	0606	18		1	ug/l		
Toluene	108-88-3	SW846 8260B	J33534-2	15-Jun-06	15-Aug-06	MW70	0606	40.5		1	ug/l		
Xylene (total)	1330-20-7	SW846 8260B	J33534-2	15-Jun-06	15-Aug-06	MW70	0606	77.6		1	ug/l		
Benzene	71-43-2	SW846 8260B	J33534-2	15-Jun-06	15-Aug-06	MW70	0606	11.4		1	ug/l		
Aniline	62-53-3	SW846 8270C	J33534-3	15-Jun-06	15-Aug-06	OW3	0606	4200		400	ug/l		
Nitrobenzene	98-95-3	SW846 8270C	J33534-3	15-Jun-06	15-Aug-06	OW3	0606	12300		400	ug/l		
Arsenic, Total	7440-38-2	SW846 6010B	J33534-3	15-Jun-06	15-Aug-06	OW3	0606	22		8	ug/l		
Azobenzene	103-33-3	SW846 8270C	J33534-3	15-Jun-06	15-Aug-06	OW3	0606	0	U	5	ug/l		
Azoxybenzene	495-48-7	SW846 8270C	J33534-3	15-Jun-06	15-Aug-06	OW3	0606	0	U	5	ug/l		
Aniline	62-53-3	SW846 8270C	J33534-4	15-Jun-06	15-Aug-06	DUP1	0606	4850		800	ug/l		
Nitrobenzene	98-95-3	SW846 8270C	J33534-4	15-Jun-06	15-Aug-06	DUP1	0606	15200		800	ug/l		
Arsenic, Total	7440-38-2	SW846 6010B	J33534-4	15-Jun-06	15-Aug-06	DUP1	0606	21.8		8	ug/l		
Azobenzene	103-33-3	SW846 8270C	J33534-4	15-Jun-06	15-Aug-06	DUP1	0606	0	U	5	ug/l		
Azoxybenzene	495-48-7	SW846 8270C	J33534-4	15-Jun-06	15-Aug-06	DUP1	0606	0	U	5	ug/l		
2-Aminophenol	95-55-6	SW846 8270C	J33534-4	15-Jun-06	15-Aug-06	DUP1	0606	0	U	20	ug/l		
Ethylbenzene	100-41-4	SW846 8260B	J33534-4	15-Jun-06	15-Aug-06	DUP1	0606	8.5		1	ug/l		
Toluene	108-88-3	SW846 8260B	J33534-4	15-Jun-06	15-Aug-06	DUP1	0606	21.7		1	ug/l		
Xylene (total)	1330-20-7	SW846 8260B	J33534-4	15-Jun-06	15-Aug-06	DUP1	0606	52.9		1	ug/l		

Analyte	casno	Method	Labsampid	Date Sampled	Validation Date	Sample	Location	Result	Code	RL	Units	Valid Result	Valid Code
Benzene	71-43-2	SW846 8260B	J33534-4	15-Jun-06	15-Aug-06	DUP1	0606	7.8		1	ug/l		
Azobenzene	103-33-3	SW846 8270C	J33534-5	15-Jun-06	15-Aug-06	EB3	0606	0	U	5	ug/l		
Azoxybenzene	495-48-7	SW846 8270C	J33534-5	15-Jun-06	15-Aug-06	EB3	0606	0	U	5	ug/l		
Aniline	62-53-3	SW846 8270C	J33534-5	15-Jun-06	15-Aug-06	EB3	0606	0	U	2	ug/l		
2-Aminophenol	95-55-6	SW846 8270C	J33534-5	15-Jun-06	15-Aug-06	EB3	0606	0	U	20	ug/l		
Nitrobenzene	98-95-3	SW846 8270C	J33534-5	15-Jun-06	15-Aug-06	EB3	0606	0	U	2	ug/l		
Arsenic, Total	7440-38-2	SW846 6010B	J33534-5	15-Jun-06	15-Aug-06	EB3	0606	0	U	8	ug/l		
Ethylbenzene	100-41-4	SW846 8260B	J33534-5	15-Jun-06	15-Aug-06	EB3	0606	0	U	1	ug/l		
Toluene	108-88-3	SW846 8260B	J33534-5	15-Jun-06	15-Aug-06	EB3	0606	0	U	1	ug/l		
Xylene (total)	1330-20-7	SW846 8260B	J33534-5	15-Jun-06	15-Aug-06	EB3	0606	0	U	1	ug/l		
Benzene	71-43-2	SW846 8260B	J33534-5	15-Jun-06	15-Aug-06	EB3	0606	0	U	1	ug/l		
Ethylbenzene	100-41-4	SW846 8260B	J33534-6	15-Jun-06	15-Aug-06	UNK	TRIP BLANK	0	U	1	ug/l		
Toluene	108-88-3	SW846 8260B	J33534-6	15-Jun-06	15-Aug-06	UNK	TRIP BLANK	0	U	1	ug/l		
Xylene (total)	1330-20-7	SW846 8260B	J33534-6	15-Jun-06	15-Aug-06	UNK	TRIP BLANK	0	U	1	ug/l		
Benzene	71-43-2	SW846 8260B	J33534-6	15-Jun-06	15-Aug-06	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
Arsenic, Total	7440-38-2	SW846 6010B	J33914-1	20-Jun-06	15-Aug-06	MW96	0606	38.2		8	ug/l		
Ethylbenzene	100-41-4	SW846 8260B	J33914-1	20-Jun-06	15-Aug-06	MW96	0606	0	U	1	ug/l		
Toluene	108-88-3	SW846 8260B	J33914-1	20-Jun-06	15-Aug-06	MW96	0606	0.31	J	1	ug/l		
Xylene (total)	1330-20-7	SW846 8260B	J33914-1	20-Jun-06	15-Aug-06	MW96	0606	0	U	1	ug/l		
Benzene	71-43-2	SW846 8260B	J33914-1	20-Jun-06	15-Aug-06	MW96	0606	1.6		1	ug/l		
Arsenic, Total	7440-38-2	SW846 6010B	J33914-2	20-Jun-06	15-Aug-06	MW7	0606	16.8		8	ug/l		
Ethylbenzene	100-41-4	SW846 8260B	J33914-2	20-Jun-06	15-Aug-06	MW7	0606	0.34	J	1	ug/l		
Toluene	108-88-3	SW846 8260B	J33914-2	20-Jun-06	15-Aug-06	MW7	0606	2.3		1	ug/l		
Xylene (total)	1330-20-7	SW846 8260B	J33914-2	20-Jun-06	15-Aug-06	MW7	0606	3.4		1	ug/l		
Benzene	71-43-2	SW846 8260B	J33914-2	20-Jun-06	15-Aug-06	MW7	0606	3.3		1	ug/l		
Arsenic, Total	7440-38-2	SW846 6010B	J33914-3	21-Jun-06	15-Aug-06	MW71	0606	0	U	8	ug/l		
Ethylbenzene	100-41-4	SW846 8260B	J33914-3	21-Jun-06	15-Aug-06	MW71	0606	0	U	1	ug/l		
Toluene	108-88-3	SW846 8260B	J33914-3	21-Jun-06	15-Aug-06	MW71	0606	0	U	1	ug/l		
Xylene (total)	1330-20-7	SW846 8260B	J33914-3	21-Jun-06	15-Aug-06	MW71	0606	0	U	1	ug/l		
Benzene	71-43-2	SW846 8260B	J33914-3	21-Jun-06	15-Aug-06	MW71	0606	0	U	1	ug/l		
Azobenzene	103-33-3	SW846 8270C	J33914-4	21-Jun-06	15-Aug-06	MW10	0606	0	U	5.2	ug/l		
Azoxybenzene	495-48-7	SW846 8270C	J33914-4	21-Jun-06	15-Aug-06	MW10	0606	0	U	5.2	ug/l		
2-Aminophenol	95-55-6	SW846 8270C	J33914-4	21-Jun-06	15-Aug-06	MW10	0606	0	U	21	ug/l		
Arsenic, Total	7440-38-2	SW846 6010B	J33914-4	21-Jun-06	15-Aug-06	MW10	0606	21.9		8	ug/l		
Aniline	62-53-3	SW846 8270C	J33914-4	21-Jun-06	15-Aug-06	MW10	0606	0	U	2.1	ug/l		UJ
Nitrobenzene	98-95-3	SW846 8270C	J33914-4	21-Jun-06	15-Aug-06	MW10	0606	0	U	2.1	ug/l		
Ethylbenzene	100-41-4	SW846 8260B	J33914-4	21-Jun-06	15-Aug-06	MW10	0606	0	U	1	ug/l		
Toluene	108-88-3	SW846 8260B	J33914-4	21-Jun-06	15-Aug-06	MW10	0606	0	U	1	ug/l		
Xylene (total)	1330-20-7	SW846 8260B	J33914-4	21-Jun-06	15-Aug-06	MW10	0606	0	U	1	ug/l		
cis-1,2-Dichloroethene	156-59-2	SW846 8260B	J33914-4	21-Jun-06	15-Aug-06	MW10	0606	0	U	1	ug/l		
Benzene	71-43-2	SW846 8260B	J33914-4	21-Jun-06	15-Aug-06	MW10	0606	0.62	J	1	ug/l		
Vinyl chloride	75-01-4	SW846 8260B	J33914-4	21-Jun-06	15-Aug-06	MW10	0606	0	U	1	ug/l		
Arsenic, Total	7440-38-2	SW846 6010B	J33914-5	21-Jun-06	15-Aug-06	OW4	0606	26.7		8	ug/l		
Ethylbenzene	100-41-4	SW846 8260B	J33914-5	21-Jun-06	15-Aug-06	OW4	0606	0	U	1	ug/l		
Toluene	108-88-3	SW846 8260B	J33914-5	21-Jun-06	15-Aug-06	OW4	0606	0	U	1	ug/l		
Xylene (total)	1330-20-7	SW846 8260B	J33914-5	21-Jun-06	15-Aug-06	OW4	0606	0	U	1	ug/l		
Benzene	71-43-2	SW846 8260B	J33914-5	21-Jun-06	15-Aug-06	OW4	0606	0	U	1	ug/l		

Analyte	casno	Method	Labsampid	Date Sampled	Validation Date	Sample	Location	Result	Code	RL	Units	Valid Result	Valid Code
Azobenzene	103-33-3	SW846 8270C	J33914-6	21-Jun-06	15-Aug-06	EB2	0606	0	U	5	ug/l		
Azoxybenzene	495-48-7	SW846 8270C	J33914-6	21-Jun-06	15-Aug-06	EB2	0606	0	U	5	ug/l		
2-Aminophenol	95-55-6	SW846 8270C	J33914-6	21-Jun-06	15-Aug-06	EB2	0606	0	U	20	ug/l		
Arsenic, Total	7440-38-2	SW846 6010B	J33914-6	21-Jun-06	15-Aug-06	EB2	0606	0	U	8	ug/l		
Aniline	62-53-3	SW846 8270C	J33914-6	21-Jun-06	15-Aug-06	EB2	0606	0	U	2	ug/l		UJ
Nitrobenzene	98-95-3	SW846 8270C	J33914-6	21-Jun-06	15-Aug-06	EB2	0606	0	U	2	ug/l		
Ethylbenzene	100-41-4	SW846 8260B	J33914-6	21-Jun-06	15-Aug-06	EB2	0606	0	U	1	ug/l		
Toluene	108-88-3	SW846 8260B	J33914-6	21-Jun-06	15-Aug-06	EB2	0606	0	U	1	ug/l		
Xylene (total)	1330-20-7	SW846 8260B	J33914-6	21-Jun-06	15-Aug-06	EB2	0606	0	U	1	ug/l		
cis-1,2-Dichloroethene	156-59-2	SW846 8260B	J33914-6	21-Jun-06	15-Aug-06	EB2	0606	0	U	1	ug/l		
Benzene	71-43-2	SW846 8260B	J33914-6	21-Jun-06	15-Aug-06	EB2	0606	0	U	1	ug/l		
Vinyl chloride	75-01-4	SW846 8260B	J33914-6	21-Jun-06	15-Aug-06	EB2	0606	0	U	1	ug/l		
Ethylbenzene	100-41-4	SW846 8260B	J33914-7	21-Jun-06	15-Aug-06	UNK	TRIP BLANK	0	U	1	ug/l		
Toluene	108-88-3	SW846 8260B	J33914-7	21-Jun-06	15-Aug-06	UNK	TRIP BLANK	0	U	1	ug/l		
Xylene (total)	1330-20-7	SW846 8260B	J33914-7	21-Jun-06	15-Aug-06	UNK	TRIP BLANK	0	U	1	ug/l		
Benzene	71-43-2	SW846 8260B	J33914-7	21-Jun-06	15-Aug-06	UNK	TRIP BLANK	0	U	1	ug/l		

DATA USABILITY SUMMARY REPORT FOR JULY 2006 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 July 6, 2006. These samples were received by Accutest Laboratories (Accutest) within one day of collection on July 7, 2006. 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 5.2°C. All samples were received intact and in good condition at Accutest.

The analytical data package generated by Accutest (Accutest Job # J34993) 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, 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, vinyl chloride, and bromomethane results were considered estimated and qualified "UJ" in the "Valid Code" column for the sample TRIP BLANK 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
- Quantitation limits
- Data completeness

These items were considered compliant and acceptable in accordance with the validation protocols with the exception of continuing calibrations. It was noted that all continuing calibration compounds were compliant with relative response factors greater than 0.05 and percent differences (%Ds) within ±25% with the exception of dichlorodifluoromethane (-29.2%D), vinyl chloride (-27.4%D), and bromomethane (-28.9%D) in the continuing calibration associated with sample TRIP BLANK. Therefore, the nondetected results for these compounds for this sample were considered estimated and qualified "UJ".

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	Location	Result	Code	RL	Units	Valid Result	Valid Code
pH		EPA 150.1	J34993-1	06-Jul-06	28-Jul-06	SP114	0706	6.72			su		
Aluminum, Total	7429-90-5	EPA 200.7	J34993-1	06-Jul-06	28-Jul-06	SP114	0706	0	U	100	ug/l		
Iron, Total	7439-89-6	EPA 200.7	J34993-1	06-Jul-06	28-Jul-06	SP114	0706	44900		100	ug/l		
Lead, Total	7439-92-1	EPA 200.7	J34993-1	06-Jul-06	28-Jul-06	SP114	0706	0	U	3	ug/l		
Nickel, Total	7440-02-0	EPA 200.7	J34993-1	06-Jul-06	28-Jul-06	SP114	0706	0	U	40	ug/l		
Arsenic, Total	7440-38-2	EPA 200.7	J34993-1	06-Jul-06	28-Jul-06	SP114	0706	98.4		8	ug/l		
Chromium, Total	7440-47-3	EPA 200.7	J34993-1	06-Jul-06	28-Jul-06	SP114	0706	0	U	10	ug/l		
Copper, Total	7440-50-8	EPA 200.7	J34993-1	06-Jul-06	28-Jul-06	SP114	0706	0	U	25	ug/l		
Zinc, Total	7440-66-6	EPA 200.7	J34993-1	06-Jul-06	28-Jul-06	SP114	0706	0	U	20	ug/l		
Ethylbenzene	100-41-4	EPA 624	J34993-1	06-Jul-06	28-Jul-06	SP114	0706	6.8		1	ug/l		
cis-1,3-Dichloropropene	10061-01-5	EPA 624	J34993-1	06-Jul-06	28-Jul-06	SP114	0706	0	U	1	ug/l		
trans-1,3-Dichloropropene	10061-02-6	EPA 624	J34993-1	06-Jul-06	28-Jul-06	SP114	0706	0	U	1	ug/l		
1,4-Dichlorobenzene	106-46-7	EPA 624	J34993-1	06-Jul-06	28-Jul-06	SP114	0706	0	U	1	ug/l		
1,2-Dichloroethane	107-06-2	EPA 624	J34993-1	06-Jul-06	28-Jul-06	SP114	0706	0	U	1	ug/l		
Toluene	108-88-3	EPA 624	J34993-1	06-Jul-06	28-Jul-06	SP114	0706	7.6		1	ug/l		
Chlorobenzene	108-90-7	EPA 624	J34993-1	06-Jul-06	28-Jul-06	SP114	0706	0.65	J	1	ug/l		
Dibromochloromethane	124-48-1	EPA 624	J34993-1	06-Jul-06	28-Jul-06	SP114	0706	0	U	1	ug/l		
Tetrachloroethene	127-18-4	EPA 624	J34993-1	06-Jul-06	28-Jul-06	SP114	0706	0	U	1	ug/l		
Xylenes (total)	1330-20-7	EPA 624	J34993-1	06-Jul-06	28-Jul-06	SP114	0706	10.7		1	ug/l		
cis-1,2-Dichloroethene	156-59-2	EPA 624	J34993-1	06-Jul-06	28-Jul-06	SP114	0706	34.9		1	ug/l		
trans-1,2-Dichloroethene	156-60-5	EPA 624	J34993-1	06-Jul-06	28-Jul-06	SP114	0706	0.72	J	1	ug/l		
1,3-Dichlorobenzene	541-73-1	EPA 624	J34993-1	06-Jul-06	28-Jul-06	SP114	0706	0	U	1	ug/l		
Carbon tetrachloride	56-23-5	EPA 624	J34993-1	06-Jul-06	28-Jul-06	SP114	0706	0	U	1	ug/l		
Chloroform	67-66-3	EPA 624	J34993-1	06-Jul-06	28-Jul-06	SP114	0706	0	U	1	ug/l		
Benzene	71-43-2	EPA 624	J34993-1	06-Jul-06	28-Jul-06	SP114	0706	91		1	ug/l		
1,1,1-Trichloroethane	71-55-6	EPA 624	J34993-1	06-Jul-06	28-Jul-06	SP114	0706	7.4		1	ug/l		
Methyl bromide	74-83-9	EPA 624	J34993-1	06-Jul-06	28-Jul-06	SP114	0706	0	U	1	ug/l		
Chloromethane	74-87-3	EPA 624	J34993-1	06-Jul-06	28-Jul-06	SP114	0706	0	U	1	ug/l		
Chloroethane	75-00-3	EPA 624	J34993-1	06-Jul-06	28-Jul-06	SP114	0706	0	U	1	ug/l		
Vinyl chloride	75-01-4	EPA 624	J34993-1	06-Jul-06	28-Jul-06	SP114	0706	96.4		2	ug/l		
Methylene chloride	75-09-2	EPA 624	J34993-1	06-Jul-06	28-Jul-06	SP114	0706	0	U	1	ug/l		
Bromoform	75-25-2	EPA 624	J34993-1	06-Jul-06	28-Jul-06	SP114	0706	0	U	1	ug/l		
Bromodichloromethane	75-27-4	EPA 624	J34993-1	06-Jul-06	28-Jul-06	SP114	0706	0	U	1	ug/l		
1,1-Dichloroethane	75-34-3	EPA 624	J34993-1	06-Jul-06	28-Jul-06	SP114	0706	17		1	ug/l		
1,1-Dichloroethene	75-35-4	EPA 624	J34993-1	06-Jul-06	28-Jul-06	SP114	0706	0	U	1	ug/l		
Trichlorofluoromethane	75-69-4	EPA 624	J34993-1	06-Jul-06	28-Jul-06	SP114	0706	0	U	2	ug/l		
Dichlorodifluoromethane	75-71-8	EPA 624	J34993-1	06-Jul-06	28-Jul-06	SP114	0706	0	U	2	ug/l		
1,2-Dichloropropane	78-87-5	EPA 624	J34993-1	06-Jul-06	28-Jul-06	SP114	0706	0	U	1	ug/l		
1,1,2-Trichloroethane	79-00-5	EPA 624	J34993-1	06-Jul-06	28-Jul-06	SP114	0706	0	U	1	ug/l		
Trichloroethene	79-01-6	EPA 624	J34993-1	06-Jul-06	28-Jul-06	SP114	0706	0	U	1	ug/l		
1,1,2,2-Tetrachloroethane	79-34-5	EPA 624	J34993-1	06-Jul-06	28-Jul-06	SP114	0706	0	U	1	ug/l		
1,2-Dichlorobenzene	95-50-1	EPA 624	J34993-1	06-Jul-06	28-Jul-06	SP114	0706	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	J34993-2	06-Jul-06	28-Jul-06	SP217	0706	0	U	1	ug/l		
cis-1,3-Dichloropropene	10061-01-5	EPA 624	J34993-2	06-Jul-06	28-Jul-06	SP217	0706	0	U	1	ug/l		
trans-1,3-Dichloropropene	10061-02-6	EPA 624	J34993-2	06-Jul-06	28-Jul-06	SP217	0706	0	U	1	ug/l		
1,4-Dichlorobenzene	106-46-7	EPA 624	J34993-2	06-Jul-06	28-Jul-06	SP217	0706	0	U	1	ug/l		
1,2-Dichloroethane	107-06-2	EPA 624	J34993-2	06-Jul-06	28-Jul-06	SP217	0706	0	U	1	ug/l		
Toluene	108-88-3	EPA 624	J34993-2	06-Jul-06	28-Jul-06	SP217	0706	0	U	1	ug/l		
Chlorobenzene	108-90-7	EPA 624	J34993-2	06-Jul-06	28-Jul-06	SP217	0706	0	U	1	ug/l		
Dibromochloromethane	124-48-1	EPA 624	J34993-2	06-Jul-06	28-Jul-06	SP217	0706	0	U	1	ug/l		
Tetrachloroethene	127-18-4	EPA 624	J34993-2	06-Jul-06	28-Jul-06	SP217	0706	0	U	1	ug/l		
Xylenes (total)	1330-20-7	EPA 624	J34993-2	06-Jul-06	28-Jul-06	SP217	0706	0	U	1	ug/l		
cis-1,2-Dichloroethene	156-59-2	EPA 624	J34993-2	06-Jul-06	28-Jul-06	SP217	0706	1		1	ug/l		
trans-1,2-Dichloroethene	156-60-5	EPA 624	J34993-2	06-Jul-06	28-Jul-06	SP217	0706	0	U	1	ug/l		
1,3-Dichlorobenzene	541-73-1	EPA 624	J34993-2	06-Jul-06	28-Jul-06	SP217	0706	0	U	1	ug/l		
Carbon tetrachloride	56-23-5	EPA 624	J34993-2	06-Jul-06	28-Jul-06	SP217	0706	0	U	1	ug/l		
Chloroform	67-66-3	EPA 624	J34993-2	06-Jul-06	28-Jul-06	SP217	0706	2.3		1	ug/l		
Benzene	71-43-2	EPA 624	J34993-2	06-Jul-06	28-Jul-06	SP217	0706	0.5	J	1	ug/l		
1,1,1-Trichloroethane	71-55-6	EPA 624	J34993-2	06-Jul-06	28-Jul-06	SP217	0706	0.81	J	1	ug/l		
Methyl bromide	74-83-9	EPA 624	J34993-2	06-Jul-06	28-Jul-06	SP217	0706	0	U	1	ug/l		
Chloromethane	74-87-3	EPA 624	J34993-2	06-Jul-06	28-Jul-06	SP217	0706	0	U	1	ug/l		
Chloroethane	75-00-3	EPA 624	J34993-2	06-Jul-06	28-Jul-06	SP217	0706	0	U	1	ug/l		
Vinyl chloride	75-01-4	EPA 624	J34993-2	06-Jul-06	28-Jul-06	SP217	0706	1.2	J	2	ug/l		
Methylene chloride	75-09-2	EPA 624	J34993-2	06-Jul-06	28-Jul-06	SP217	0706	0	U	1	ug/l		
Bromoform	75-25-2	EPA 624	J34993-2	06-Jul-06	28-Jul-06	SP217	0706	0	U	1	ug/l		
Bromodichloromethane	75-27-4	EPA 624	J34993-2	06-Jul-06	28-Jul-06	SP217	0706	0.4	J	1	ug/l		
1,1-Dichloroethane	75-34-3	EPA 624	J34993-2	06-Jul-06	28-Jul-06	SP217	0706	3.6		1	ug/l		
1,1-Dichloroethene	75-35-4	EPA 624	J34993-2	06-Jul-06	28-Jul-06	SP217	0706	0	U	1	ug/l		
Trichlorofluoromethane	75-69-4	EPA 624	J34993-2	06-Jul-06	28-Jul-06	SP217	0706	0	U	2	ug/l		
Dichlorodifluoromethane	75-71-8	EPA 624	J34993-2	06-Jul-06	28-Jul-06	SP217	0706	0	U	2	ug/l		
1,2-Dichloropropane	78-87-5	EPA 624	J34993-2	06-Jul-06	28-Jul-06	SP217	0706	0	U	1	ug/l		
1,1,2-Trichloroethane	79-00-5	EPA 624	J34993-2	06-Jul-06	28-Jul-06	SP217	0706	0	U	1	ug/l		
Trichloroethene	79-01-6	EPA 624	J34993-2	06-Jul-06	28-Jul-06	SP217	0706	0	U	1	ug/l		
1,1,2,2-Tetrachloroethane	79-34-5	EPA 624	J34993-2	06-Jul-06	28-Jul-06	SP217	0706	0	U	1	ug/l		
1,2-Dichlorobenzene	95-50-1	EPA 624	J34993-2	06-Jul-06	28-Jul-06	SP217	0706	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	J34993-3	06-Jul-06	28-Jul-06	SP219	0706	7.48			su		
Aluminum, Total	7429-90-5	EPA 200.7	J34993-3	06-Jul-06	28-Jul-06	SP219	0706	0	U	100	ug/l		
Iron, Total	7439-89-6	EPA 200.7	J34993-3	06-Jul-06	28-Jul-06	SP219	0706	186		100	ug/l		
Lead, Total	7439-92-1	EPA 200.7	J34993-3	06-Jul-06	28-Jul-06	SP219	0706	0	U	3	ug/l		
Nickel, Total	7440-02-0	EPA 200.7	J34993-3	06-Jul-06	28-Jul-06	SP219	0706	0	U	40	ug/l		
Arsenic, Total	7440-38-2	EPA 200.7	J34993-3	06-Jul-06	28-Jul-06	SP219	0706	0	U	8	ug/l		
Chromium, Total	7440-47-3	EPA 200.7	J34993-3	06-Jul-06	28-Jul-06	SP219	0706	0	U	10	ug/l		
Copper, Total	7440-50-8	EPA 200.7	J34993-3	06-Jul-06	28-Jul-06	SP219	0706	0	U	25	ug/l		
Zinc, Total	7440-66-6	EPA 200.7	J34993-3	06-Jul-06	28-Jul-06	SP219	0706	0	U	20	ug/l		
Oil And Grease		EPA 1664A	J34993-3	06-Jul-06	28-Jul-06	SP219	0706	0	U	5.1	mg/l		
Ethylbenzene	100-41-4	EPA 624	J34993-3	06-Jul-06	28-Jul-06	SP219	0706	0	U	1	ug/l		
cis-1,3-Dichloropropene	10061-01-5	EPA 624	J34993-3	06-Jul-06	28-Jul-06	SP219	0706	0	U	1	ug/l		
trans-1,3-Dichloropropene	10061-02-6	EPA 624	J34993-3	06-Jul-06	28-Jul-06	SP219	0706	0	U	1	ug/l		
1,4-Dichlorobenzene	106-46-7	EPA 624	J34993-3	06-Jul-06	28-Jul-06	SP219	0706	0	U	1	ug/l		
1,2-Dichloroethane	107-06-2	EPA 624	J34993-3	06-Jul-06	28-Jul-06	SP219	0706	0	U	1	ug/l		
Toluene	108-88-3	EPA 624	J34993-3	06-Jul-06	28-Jul-06	SP219	0706	0	U	1	ug/l		
Chlorobenzene	108-90-7	EPA 624	J34993-3	06-Jul-06	28-Jul-06	SP219	0706	0	U	1	ug/l		
Dibromochloromethane	124-48-1	EPA 624	J34993-3	06-Jul-06	28-Jul-06	SP219	0706	0	U	1	ug/l		
Tetrachloroethene	127-18-4	EPA 624	J34993-3	06-Jul-06	28-Jul-06	SP219	0706	0	U	1	ug/l		
Xylenes (total)	1330-20-7	EPA 624	J34993-3	06-Jul-06	28-Jul-06	SP219	0706	0	U	1	ug/l		
cis-1,2-Dichloroethene	156-59-2	EPA 624	J34993-3	06-Jul-06	28-Jul-06	SP219	0706	0.83	J	1	ug/l		
trans-1,2-Dichloroethene	156-60-5	EPA 624	J34993-3	06-Jul-06	28-Jul-06	SP219	0706	0	U	1	ug/l		
1,3-Dichlorobenzene	541-73-1	EPA 624	J34993-3	06-Jul-06	28-Jul-06	SP219	0706	0	U	1	ug/l		
Carbon tetrachloride	56-23-5	EPA 624	J34993-3	06-Jul-06	28-Jul-06	SP219	0706	0	U	1	ug/l		
Chloroform	67-66-3	EPA 624	J34993-3	06-Jul-06	28-Jul-06	SP219	0706	1.8		1	ug/l		
Benzene	71-43-2	EPA 624	J34993-3	06-Jul-06	28-Jul-06	SP219	0706	0.29	J	1	ug/l		
1,1,1-Trichloroethane	71-55-6	EPA 624	J34993-3	06-Jul-06	28-Jul-06	SP219	0706	0.57	J	1	ug/l		
Methyl bromide	74-83-9	EPA 624	J34993-3	06-Jul-06	28-Jul-06	SP219	0706	0	U	1	ug/l		
Chloromethane	74-87-3	EPA 624	J34993-3	06-Jul-06	28-Jul-06	SP219	0706	0	U	1	ug/l		
Chloroethane	75-00-3	EPA 624	J34993-3	06-Jul-06	28-Jul-06	SP219	0706	0	U	1	ug/l		
Vinyl chloride	75-01-4	EPA 624	J34993-3	06-Jul-06	28-Jul-06	SP219	0706	0.7	J	2	ug/l		
Methylene chloride	75-09-2	EPA 624	J34993-3	06-Jul-06	28-Jul-06	SP219	0706	0	U	1	ug/l		
Bromoform	75-25-2	EPA 624	J34993-3	06-Jul-06	28-Jul-06	SP219	0706	0	U	1	ug/l		
Bromodichloromethane	75-27-4	EPA 624	J34993-3	06-Jul-06	28-Jul-06	SP219	0706	0	U	1	ug/l		
1,1-Dichloroethane	75-34-3	EPA 624	J34993-3	06-Jul-06	28-Jul-06	SP219	0706	2.6		1	ug/l		
1,1-Dichloroethene	75-35-4	EPA 624	J34993-3	06-Jul-06	28-Jul-06	SP219	0706	0	U	1	ug/l		
Trichlorofluoromethane	75-69-4	EPA 624	J34993-3	06-Jul-06	28-Jul-06	SP219	0706	0	U	2	ug/l		
Dichlorodifluoromethane	75-71-8	EPA 624	J34993-3	06-Jul-06	28-Jul-06	SP219	0706	0	U	2	ug/l		
1,2-Dichloropropane	78-87-5	EPA 624	J34993-3	06-Jul-06	28-Jul-06	SP219	0706	0	U	1	ug/l		
1,1,2-Trichloroethane	79-00-5	EPA 624	J34993-3	06-Jul-06	28-Jul-06	SP219	0706	0	U	1	ug/l		
Trichloroethene	79-01-6	EPA 624	J34993-3	06-Jul-06	28-Jul-06	SP219	0706	0	U	1	ug/l		
1,1,2,2-Tetrachloroethane	79-34-5	EPA 624	J34993-3	06-Jul-06	28-Jul-06	SP219	0706	0	U	1	ug/l		
1,2-Dichlorobenzene	95-50-1	EPA 624	J34993-3	06-Jul-06	28-Jul-06	SP219	0706	0	U	1	ug/l		

Analyte	casno	Method	Labsampid	Date Sampled	Validation Date	Sample	Location	Result	Code	RL	Units	Valid Result	Valid Code
Cyanide	57-12-5	335.3/LACH	J34993-3	06-Jul-06	28-Jul-06	SP219	0706	0	U	0.01	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	J34993-4	06-Jul-06	28-Jul-06	UNK	TRIP BLANK	0	U	1	ug/l		
cis-1,3-Dichloropropene	10061-01-5	EPA 624	J34993-4	06-Jul-06	28-Jul-06	UNK	TRIP BLANK	0	U	1	ug/l		
trans-1,3-Dichloropropene	10061-02-6	EPA 624	J34993-4	06-Jul-06	28-Jul-06	UNK	TRIP BLANK	0	U	1	ug/l		
1,4-Dichlorobenzene	106-46-7	EPA 624	J34993-4	06-Jul-06	28-Jul-06	UNK	TRIP BLANK	0	U	1	ug/l		
1,2-Dichloroethane	107-06-2	EPA 624	J34993-4	06-Jul-06	28-Jul-06	UNK	TRIP BLANK	0	U	1	ug/l		
Toluene	108-88-3	EPA 624	J34993-4	06-Jul-06	28-Jul-06	UNK	TRIP BLANK	0	U	1	ug/l		
Chlorobenzene	108-90-7	EPA 624	J34993-4	06-Jul-06	28-Jul-06	UNK	TRIP BLANK	0	U	1	ug/l		
Dibromochloromethane	124-48-1	EPA 624	J34993-4	06-Jul-06	28-Jul-06	UNK	TRIP BLANK	0	U	1	ug/l		
Tetrachloroethene	127-18-4	EPA 624	J34993-4	06-Jul-06	28-Jul-06	UNK	TRIP BLANK	0	U	1	ug/l		
Xylenes (total)	1330-20-7	EPA 624	J34993-4	06-Jul-06	28-Jul-06	UNK	TRIP BLANK	0	U	1	ug/l		
cis-1,2-Dichloroethene	156-59-2	EPA 624	J34993-4	06-Jul-06	28-Jul-06	UNK	TRIP BLANK	0	U	1	ug/l		
trans-1,2-Dichloroethene	156-60-5	EPA 624	J34993-4	06-Jul-06	28-Jul-06	UNK	TRIP BLANK	0	U	1	ug/l		
1,3-Dichlorobenzene	541-73-1	EPA 624	J34993-4	06-Jul-06	28-Jul-06	UNK	TRIP BLANK	0	U	1	ug/l		
Carbon tetrachloride	56-23-5	EPA 624	J34993-4	06-Jul-06	28-Jul-06	UNK	TRIP BLANK	0	U	1	ug/l		
Chloroform	67-66-3	EPA 624	J34993-4	06-Jul-06	28-Jul-06	UNK	TRIP BLANK	0	U	1	ug/l		
Benzene	71-43-2	EPA 624	J34993-4	06-Jul-06	28-Jul-06	UNK	TRIP BLANK	0	U	1	ug/l		
1,1,1-Trichloroethane	71-55-6	EPA 624	J34993-4	06-Jul-06	28-Jul-06	UNK	TRIP BLANK	0	U	1	ug/l		
Methyl bromide	74-83-9	EPA 624	J34993-4	06-Jul-06	28-Jul-06	UNK	TRIP BLANK	0	U	1	ug/l		UJ
Chloromethane	74-87-3	EPA 624	J34993-4	06-Jul-06	28-Jul-06	UNK	TRIP BLANK	0	U	1	ug/l		
Chloroethane	75-00-3	EPA 624	J34993-4	06-Jul-06	28-Jul-06	UNK	TRIP BLANK	0	U	1	ug/l		
Vinyl chloride	75-01-4	EPA 624	J34993-4	06-Jul-06	28-Jul-06	UNK	TRIP BLANK	0	U	2	ug/l		UJ
Methylene chloride	75-09-2	EPA 624	J34993-4	06-Jul-06	28-Jul-06	UNK	TRIP BLANK	0	U	1	ug/l		
Bromoform	75-25-2	EPA 624	J34993-4	06-Jul-06	28-Jul-06	UNK	TRIP BLANK	0	U	1	ug/l		
Bromodichloromethane	75-27-4	EPA 624	J34993-4	06-Jul-06	28-Jul-06	UNK	TRIP BLANK	0	U	1	ug/l		
1,1-Dichloroethane	75-34-3	EPA 624	J34993-4	06-Jul-06	28-Jul-06	UNK	TRIP BLANK	0	U	1	ug/l		
1,1-Dichloroethene	75-35-4	EPA 624	J34993-4	06-Jul-06	28-Jul-06	UNK	TRIP BLANK	0	U	1	ug/l		
Trichlorofluoromethane	75-69-4	EPA 624	J34993-4	06-Jul-06	28-Jul-06	UNK	TRIP BLANK	0	U	2	ug/l		
Dichlorodifluoromethane	75-71-8	EPA 624	J34993-4	06-Jul-06	28-Jul-06	UNK	TRIP BLANK	0	U	2	ug/l		UJ
1,2-Dichloropropane	78-87-5	EPA 624	J34993-4	06-Jul-06	28-Jul-06	UNK	TRIP BLANK	0	U	1	ug/l		
1,1,2-Trichloroethane	79-00-5	EPA 624	J34993-4	06-Jul-06	28-Jul-06	UNK	TRIP BLANK	0	U	1	ug/l		
Trichloroethene	79-01-6	EPA 624	J34993-4	06-Jul-06	28-Jul-06	UNK	TRIP BLANK	0	U	1	ug/l		
1,1,2,2-Tetrachloroethane	79-34-5	EPA 624	J34993-4	06-Jul-06	28-Jul-06	UNK	TRIP BLANK	0	U	1	ug/l		
1,2-Dichlorobenzene	95-50-1	EPA 624	J34993-4	06-Jul-06	28-Jul-06	UNK	TRIP BLANK	0	U	1	ug/l		
Aluminum, Dissolved	7429-90-5	EPA 200.7	J34993-1F	06-Jul-06	28-Jul-06	SP114	0706	0	U	100	ug/l		
Aluminum, Dissolved	7429-90-5	EPA 200.7	J34993-3F	06-Jul-06	28-Jul-06	SP219	0706	0	U	100	ug/l		

DATA USABILITY SUMMARY REPORT FOR AUGUST 2006 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 August 3, 2006. These samples were received by Accutest Laboratories (Accutest) within one day of collection on August 4, 2006. 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 5.4°C. All samples were received intact and in good condition at Accutest.

The analytical data package generated by Accutest (Accutest Job # J37582) 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	Location	Result	Code	RL	Units	Valid Result	Valid Code
pH		EPA 150.1	J37582-1	03-Aug-06	08-Sep-06	SP114	0806	6.75			su		
Ethylbenzene	100-41-4	EPA 624	J37582-1	03-Aug-06	08-Sep-06	SP114	0806	6.2		1	ug/l		
cis-1,3-Dichloropropene	10061-01-5	EPA 624	J37582-1	03-Aug-06	08-Sep-06	SP114	0806	0	U	1	ug/l		
trans-1,3-Dichloropropene	10061-02-6	EPA 624	J37582-1	03-Aug-06	08-Sep-06	SP114	0806	0	U	1	ug/l		
1,4-Dichlorobenzene	106-46-7	EPA 624	J37582-1	03-Aug-06	08-Sep-06	SP114	0806	0	U	1	ug/l		
1,2-Dichloroethane	107-06-2	EPA 624	J37582-1	03-Aug-06	08-Sep-06	SP114	0806	0	U	1	ug/l		
Toluene	108-88-3	EPA 624	J37582-1	03-Aug-06	08-Sep-06	SP114	0806	8.4		1	ug/l		
Chlorobenzene	108-90-7	EPA 624	J37582-1	03-Aug-06	08-Sep-06	SP114	0806	0.8	J	1	ug/l		
Dibromochloromethane	124-48-1	EPA 624	J37582-1	03-Aug-06	08-Sep-06	SP114	0806	0	U	1	ug/l		
Tetrachloroethene	127-18-4	EPA 624	J37582-1	03-Aug-06	08-Sep-06	SP114	0806	0	U	1	ug/l		
Xylenes (total)	1330-20-7	EPA 624	J37582-1	03-Aug-06	08-Sep-06	SP114	0806	13.5		1	ug/l		
cis-1,2-Dichloroethene	156-59-2	EPA 624	J37582-1	03-Aug-06	08-Sep-06	SP114	0806	39.2		1	ug/l		
trans-1,2-Dichloroethene	156-60-5	EPA 624	J37582-1	03-Aug-06	08-Sep-06	SP114	0806	1.4		1	ug/l		
1,3-Dichlorobenzene	541-73-1	EPA 624	J37582-1	03-Aug-06	08-Sep-06	SP114	0806	0	U	1	ug/l		
Carbon tetrachloride	56-23-5	EPA 624	J37582-1	03-Aug-06	08-Sep-06	SP114	0806	0	U	1	ug/l		
Chloroform	67-66-3	EPA 624	J37582-1	03-Aug-06	08-Sep-06	SP114	0806	0	U	1	ug/l		
Benzene	71-43-2	EPA 624	J37582-1	03-Aug-06	08-Sep-06	SP114	0806	88.2		1	ug/l		
1,1,1-Trichloroethane	71-55-6	EPA 624	J37582-1	03-Aug-06	08-Sep-06	SP114	0806	7.7		1	ug/l		
Methyl bromide	74-83-9	EPA 624	J37582-1	03-Aug-06	08-Sep-06	SP114	0806	0	U	1	ug/l		
Chloromethane	74-87-3	EPA 624	J37582-1	03-Aug-06	08-Sep-06	SP114	0806	0	U	1	ug/l		
Chloroethane	75-00-3	EPA 624	J37582-1	03-Aug-06	08-Sep-06	SP114	0806	0	U	1	ug/l		
Vinyl chloride	75-01-4	EPA 624	J37582-1	03-Aug-06	08-Sep-06	SP114	0806	95.8		2	ug/l		
Methylene chloride	75-09-2	EPA 624	J37582-1	03-Aug-06	08-Sep-06	SP114	0806	0	U	1	ug/l		
Bromoform	75-25-2	EPA 624	J37582-1	03-Aug-06	08-Sep-06	SP114	0806	0	U	1	ug/l		
Bromodichloromethane	75-27-4	EPA 624	J37582-1	03-Aug-06	08-Sep-06	SP114	0806	0	U	1	ug/l		
1,1-Dichloroethane	75-34-3	EPA 624	J37582-1	03-Aug-06	08-Sep-06	SP114	0806	18.5		1	ug/l		
1,1-Dichloroethene	75-35-4	EPA 624	J37582-1	03-Aug-06	08-Sep-06	SP114	0806	0	U	1	ug/l		
Trichlorofluoromethane	75-69-4	EPA 624	J37582-1	03-Aug-06	08-Sep-06	SP114	0806	0	U	2	ug/l		
Dichlorodifluoromethane	75-71-8	EPA 624	J37582-1	03-Aug-06	08-Sep-06	SP114	0806	0	U	2	ug/l		
1,2-Dichloropropane	78-87-5	EPA 624	J37582-1	03-Aug-06	08-Sep-06	SP114	0806	0	U	1	ug/l		
1,1,2-Trichloroethane	79-00-5	EPA 624	J37582-1	03-Aug-06	08-Sep-06	SP114	0806	0	U	1	ug/l		
Trichloroethene	79-01-6	EPA 624	J37582-1	03-Aug-06	08-Sep-06	SP114	0806	0	U	1	ug/l		
1,1,2,2-Tetrachloroethane	79-34-5	EPA 624	J37582-1	03-Aug-06	08-Sep-06	SP114	0806	0	U	1	ug/l		
1,2-Dichlorobenzene	95-50-1	EPA 624	J37582-1	03-Aug-06	08-Sep-06	SP114	0806	0	U	1	ug/l		
Aluminum, Total	7429-90-5	EPA 200.7	J37582-1	03-Aug-06	08-Sep-06	SP114	0806	0	U	100	ug/l		
Iron, Total	7439-89-6	EPA 200.7	J37582-1	03-Aug-06	08-Sep-06	SP114	0806	44900		100	ug/l		
Lead, Total	7439-92-1	EPA 200.7	J37582-1	03-Aug-06	08-Sep-06	SP114	0806	0	U	3	ug/l		
Nickel, Total	7440-02-0	EPA 200.7	J37582-1	03-Aug-06	08-Sep-06	SP114	0806	0	U	40	ug/l		
Arsenic, Total	7440-38-2	EPA 200.7	J37582-1	03-Aug-06	08-Sep-06	SP114	0806	102		8	ug/l		
Chromium, Total	7440-47-3	EPA 200.7	J37582-1	03-Aug-06	08-Sep-06	SP114	0806	0	U	10	ug/l		
Copper, Total	7440-50-8	EPA 200.7	J37582-1	03-Aug-06	08-Sep-06	SP114	0806	0	U	25	ug/l		
Zinc, Total	7440-66-6	EPA 200.7	J37582-1	03-Aug-06	08-Sep-06	SP114	0806	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	J37582-2	03-Aug-06	08-Sep-06	SP117	0806	0	U	1	ug/l		
cis-1,3-Dichloropropene	10061-01-5	EPA 624	J37582-2	03-Aug-06	08-Sep-06	SP117	0806	0	U	1	ug/l		
trans-1,3-Dichloropropene	10061-02-6	EPA 624	J37582-2	03-Aug-06	08-Sep-06	SP117	0806	0	U	1	ug/l		
1,4-Dichlorobenzene	106-46-7	EPA 624	J37582-2	03-Aug-06	08-Sep-06	SP117	0806	0	U	1	ug/l		
1,2-Dichloroethane	107-06-2	EPA 624	J37582-2	03-Aug-06	08-Sep-06	SP117	0806	0	U	1	ug/l		
Toluene	108-88-3	EPA 624	J37582-2	03-Aug-06	08-Sep-06	SP117	0806	0	U	1	ug/l		
Chlorobenzene	108-90-7	EPA 624	J37582-2	03-Aug-06	08-Sep-06	SP117	0806	0	U	1	ug/l		
Dibromochloromethane	124-48-1	EPA 624	J37582-2	03-Aug-06	08-Sep-06	SP117	0806	0	U	1	ug/l		
Tetrachloroethene	127-18-4	EPA 624	J37582-2	03-Aug-06	08-Sep-06	SP117	0806	4.3		1	ug/l		
Xylenes (total)	1330-20-7	EPA 624	J37582-2	03-Aug-06	08-Sep-06	SP117	0806	0	U	1	ug/l		
cis-1,2-Dichloroethene	156-59-2	EPA 624	J37582-2	03-Aug-06	08-Sep-06	SP117	0806	0	U	1	ug/l		
trans-1,2-Dichloroethene	156-60-5	EPA 624	J37582-2	03-Aug-06	08-Sep-06	SP117	0806	0	U	1	ug/l		
1,3-Dichlorobenzene	541-73-1	EPA 624	J37582-2	03-Aug-06	08-Sep-06	SP117	0806	0	U	1	ug/l		
Carbon tetrachloride	56-23-5	EPA 624	J37582-2	03-Aug-06	08-Sep-06	SP117	0806	0	U	1	ug/l		
Chloroform	67-66-3	EPA 624	J37582-2	03-Aug-06	08-Sep-06	SP117	0806	0.71	J	1	ug/l		
Benzene	71-43-2	EPA 624	J37582-2	03-Aug-06	08-Sep-06	SP117	0806	0	U	1	ug/l		
1,1,1-Trichloroethane	71-55-6	EPA 624	J37582-2	03-Aug-06	08-Sep-06	SP117	0806	0	U	1	ug/l		
Methyl bromide	74-83-9	EPA 624	J37582-2	03-Aug-06	08-Sep-06	SP117	0806	0	U	1	ug/l		
Chloromethane	74-87-3	EPA 624	J37582-2	03-Aug-06	08-Sep-06	SP117	0806	0	U	1	ug/l		
Chloroethane	75-00-3	EPA 624	J37582-2	03-Aug-06	08-Sep-06	SP117	0806	0	U	1	ug/l		
Vinyl chloride	75-01-4	EPA 624	J37582-2	03-Aug-06	08-Sep-06	SP117	0806	0	U	2	ug/l		
Methylene chloride	75-09-2	EPA 624	J37582-2	03-Aug-06	08-Sep-06	SP117	0806	0	U	1	ug/l		
Bromoform	75-25-2	EPA 624	J37582-2	03-Aug-06	08-Sep-06	SP117	0806	0	U	1	ug/l		
Bromodichloromethane	75-27-4	EPA 624	J37582-2	03-Aug-06	08-Sep-06	SP117	0806	0	U	1	ug/l		
1,1-Dichloroethane	75-34-3	EPA 624	J37582-2	03-Aug-06	08-Sep-06	SP117	0806	0	U	1	ug/l		
1,1-Dichloroethene	75-35-4	EPA 624	J37582-2	03-Aug-06	08-Sep-06	SP117	0806	0	U	1	ug/l		
Trichlorofluoromethane	75-69-4	EPA 624	J37582-2	03-Aug-06	08-Sep-06	SP117	0806	0	U	2	ug/l		
Dichlorodifluoromethane	75-71-8	EPA 624	J37582-2	03-Aug-06	08-Sep-06	SP117	0806	0	U	2	ug/l		
1,2-Dichloropropane	78-87-5	EPA 624	J37582-2	03-Aug-06	08-Sep-06	SP117	0806	0	U	1	ug/l		
1,1,2-Trichloroethane	79-00-5	EPA 624	J37582-2	03-Aug-06	08-Sep-06	SP117	0806	0	U	1	ug/l		
Trichloroethene	79-01-6	EPA 624	J37582-2	03-Aug-06	08-Sep-06	SP117	0806	1.5		1	ug/l		
1,1,2,2-Tetrachloroethane	79-34-5	EPA 624	J37582-2	03-Aug-06	08-Sep-06	SP117	0806	0	U	1	ug/l		
1,2-Dichlorobenzene	95-50-1	EPA 624	J37582-2	03-Aug-06	08-Sep-06	SP117	0806	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	J37582-3	03-Aug-06	08-Sep-06	SP119	0806	7.57			su		
Oil And Grease		EPA 1664A	J37582-3	03-Aug-06	08-Sep-06	SP119	0806	0	U	5.1	mg/l		
Ethylbenzene	100-41-4	EPA 624	J37582-3	03-Aug-06	08-Sep-06	SP119	0806	0	U	1	ug/l		
cis-1,3-Dichloropropene	10061-01-5	EPA 624	J37582-3	03-Aug-06	08-Sep-06	SP119	0806	0	U	1	ug/l		
trans-1,3-Dichloropropene	10061-02-6	EPA 624	J37582-3	03-Aug-06	08-Sep-06	SP119	0806	0	U	1	ug/l		
1,4-Dichlorobenzene	106-46-7	EPA 624	J37582-3	03-Aug-06	08-Sep-06	SP119	0806	0	U	1	ug/l		
1,2-Dichloroethane	107-06-2	EPA 624	J37582-3	03-Aug-06	08-Sep-06	SP119	0806	0	U	1	ug/l		
Toluene	108-88-3	EPA 624	J37582-3	03-Aug-06	08-Sep-06	SP119	0806	0	U	1	ug/l		
Chlorobenzene	108-90-7	EPA 624	J37582-3	03-Aug-06	08-Sep-06	SP119	0806	0	U	1	ug/l		
Dibromochloromethane	124-48-1	EPA 624	J37582-3	03-Aug-06	08-Sep-06	SP119	0806	0	U	1	ug/l		
Tetrachloroethene	127-18-4	EPA 624	J37582-3	03-Aug-06	08-Sep-06	SP119	0806	0	U	1	ug/l		
Xylenes (total)	1330-20-7	EPA 624	J37582-3	03-Aug-06	08-Sep-06	SP119	0806	0	U	1	ug/l		
cis-1,2-Dichloroethene	156-59-2	EPA 624	J37582-3	03-Aug-06	08-Sep-06	SP119	0806	0	U	1	ug/l		
trans-1,2-Dichloroethene	156-60-5	EPA 624	J37582-3	03-Aug-06	08-Sep-06	SP119	0806	0	U	1	ug/l		
1,3-Dichlorobenzene	541-73-1	EPA 624	J37582-3	03-Aug-06	08-Sep-06	SP119	0806	0	U	1	ug/l		
Carbon tetrachloride	56-23-5	EPA 624	J37582-3	03-Aug-06	08-Sep-06	SP119	0806	0	U	1	ug/l		
Chloroform	67-66-3	EPA 624	J37582-3	03-Aug-06	08-Sep-06	SP119	0806	0	U	1	ug/l		
Benzene	71-43-2	EPA 624	J37582-3	03-Aug-06	08-Sep-06	SP119	0806	0	U	1	ug/l		
1,1,1-Trichloroethane	71-55-6	EPA 624	J37582-3	03-Aug-06	08-Sep-06	SP119	0806	0	U	1	ug/l		
Methyl bromide	74-83-9	EPA 624	J37582-3	03-Aug-06	08-Sep-06	SP119	0806	0	U	1	ug/l		
Chloromethane	74-87-3	EPA 624	J37582-3	03-Aug-06	08-Sep-06	SP119	0806	0	U	1	ug/l		
Chloroethane	75-00-3	EPA 624	J37582-3	03-Aug-06	08-Sep-06	SP119	0806	0	U	1	ug/l		
Vinyl chloride	75-01-4	EPA 624	J37582-3	03-Aug-06	08-Sep-06	SP119	0806	0	U	2	ug/l		
Methylene chloride	75-09-2	EPA 624	J37582-3	03-Aug-06	08-Sep-06	SP119	0806	0	U	1	ug/l		
Bromoform	75-25-2	EPA 624	J37582-3	03-Aug-06	08-Sep-06	SP119	0806	0	U	1	ug/l		
Bromodichloromethane	75-27-4	EPA 624	J37582-3	03-Aug-06	08-Sep-06	SP119	0806	0	U	1	ug/l		
1,1-Dichloroethane	75-34-3	EPA 624	J37582-3	03-Aug-06	08-Sep-06	SP119	0806	0	U	1	ug/l		
1,1-Dichloroethene	75-35-4	EPA 624	J37582-3	03-Aug-06	08-Sep-06	SP119	0806	0	U	1	ug/l		
Trichlorofluoromethane	75-69-4	EPA 624	J37582-3	03-Aug-06	08-Sep-06	SP119	0806	0	U	2	ug/l		
Dichlorodifluoromethane	75-71-8	EPA 624	J37582-3	03-Aug-06	08-Sep-06	SP119	0806	0	U	2	ug/l		
1,2-Dichloropropane	78-87-5	EPA 624	J37582-3	03-Aug-06	08-Sep-06	SP119	0806	0	U	1	ug/l		
1,1,2-Trichloroethane	79-00-5	EPA 624	J37582-3	03-Aug-06	08-Sep-06	SP119	0806	0	U	1	ug/l		
Trichloroethene	79-01-6	EPA 624	J37582-3	03-Aug-06	08-Sep-06	SP119	0806	0	U	1	ug/l		
1,1,2,2-Tetrachloroethane	79-34-5	EPA 624	J37582-3	03-Aug-06	08-Sep-06	SP119	0806	0	U	1	ug/l		
1,2-Dichlorobenzene	95-50-1	EPA 624	J37582-3	03-Aug-06	08-Sep-06	SP119	0806	0	U	1	ug/l		
Aluminum, Total	7429-90-5	EPA 200.7	J37582-3	03-Aug-06	08-Sep-06	SP119	0806	0	U	100	ug/l		
Iron, Total	7439-89-6	EPA 200.7	J37582-3	03-Aug-06	08-Sep-06	SP119	0806	0	U	100	ug/l		
Lead, Total	7439-92-1	EPA 200.7	J37582-3	03-Aug-06	08-Sep-06	SP119	0806	0	U	3	ug/l		
Nickel, Total	7440-02-0	EPA 200.7	J37582-3	03-Aug-06	08-Sep-06	SP119	0806	0	U	40	ug/l		
Arsenic, Total	7440-38-2	EPA 200.7	J37582-3	03-Aug-06	08-Sep-06	SP119	0806	0	U	8	ug/l		
Chromium, Total	7440-47-3	EPA 200.7	J37582-3	03-Aug-06	08-Sep-06	SP119	0806	0	U	10	ug/l		
Copper, Total	7440-50-8	EPA 200.7	J37582-3	03-Aug-06	08-Sep-06	SP119	0806	0	U	25	ug/l		
Zinc, Total	7440-66-6	EPA 200.7	J37582-3	03-Aug-06	08-Sep-06	SP119	0806	0	U	20	ug/l		

Analyte	casno	Method	Labsampid	Date Sampled	Validation Date	Sample	Location	Result	Code	RL	Units	Valid Result	Valid Code
Cyanide	57-12-5	335.3/LACH	J37582-3	03-Aug-06	08-Sep-06	SP119	0806	0	U	0.01	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	J37582-4	03-Aug-06	08-Sep-06	UNK	TRIP BLANK	0	U	1	ug/l		
cis-1,3-Dichloropropene	10061-01-5	EPA 624	J37582-4	03-Aug-06	08-Sep-06	UNK	TRIP BLANK	0	U	1	ug/l		
trans-1,3-Dichloropropene	10061-02-6	EPA 624	J37582-4	03-Aug-06	08-Sep-06	UNK	TRIP BLANK	0	U	1	ug/l		
1,4-Dichlorobenzene	106-46-7	EPA 624	J37582-4	03-Aug-06	08-Sep-06	UNK	TRIP BLANK	0	U	1	ug/l		
1,2-Dichloroethane	107-06-2	EPA 624	J37582-4	03-Aug-06	08-Sep-06	UNK	TRIP BLANK	0	U	1	ug/l		
Toluene	108-88-3	EPA 624	J37582-4	03-Aug-06	08-Sep-06	UNK	TRIP BLANK	0	U	1	ug/l		
Chlorobenzene	108-90-7	EPA 624	J37582-4	03-Aug-06	08-Sep-06	UNK	TRIP BLANK	0	U	1	ug/l		
Dibromochloromethane	124-48-1	EPA 624	J37582-4	03-Aug-06	08-Sep-06	UNK	TRIP BLANK	0	U	1	ug/l		
Tetrachloroethene	127-18-4	EPA 624	J37582-4	03-Aug-06	08-Sep-06	UNK	TRIP BLANK	0	U	1	ug/l		
Xylenes (total)	1330-20-7	EPA 624	J37582-4	03-Aug-06	08-Sep-06	UNK	TRIP BLANK	0	U	1	ug/l		
cis-1,2-Dichloroethene	156-59-2	EPA 624	J37582-4	03-Aug-06	08-Sep-06	UNK	TRIP BLANK	0	U	1	ug/l		
trans-1,2-Dichloroethene	156-60-5	EPA 624	J37582-4	03-Aug-06	08-Sep-06	UNK	TRIP BLANK	0	U	1	ug/l		
1,3-Dichlorobenzene	541-73-1	EPA 624	J37582-4	03-Aug-06	08-Sep-06	UNK	TRIP BLANK	0	U	1	ug/l		
Carbon tetrachloride	56-23-5	EPA 624	J37582-4	03-Aug-06	08-Sep-06	UNK	TRIP BLANK	0	U	1	ug/l		
Chloroform	67-66-3	EPA 624	J37582-4	03-Aug-06	08-Sep-06	UNK	TRIP BLANK	0	U	1	ug/l		
Benzene	71-43-2	EPA 624	J37582-4	03-Aug-06	08-Sep-06	UNK	TRIP BLANK	0	U	1	ug/l		
1,1,1-Trichloroethane	71-55-6	EPA 624	J37582-4	03-Aug-06	08-Sep-06	UNK	TRIP BLANK	0	U	1	ug/l		
Methyl bromide	74-83-9	EPA 624	J37582-4	03-Aug-06	08-Sep-06	UNK	TRIP BLANK	0	U	1	ug/l		
Chloromethane	74-87-3	EPA 624	J37582-4	03-Aug-06	08-Sep-06	UNK	TRIP BLANK	0	U	1	ug/l		
Chloroethane	75-00-3	EPA 624	J37582-4	03-Aug-06	08-Sep-06	UNK	TRIP BLANK	0	U	1	ug/l		
Vinyl chloride	75-01-4	EPA 624	J37582-4	03-Aug-06	08-Sep-06	UNK	TRIP BLANK	0	U	2	ug/l		
Methylene chloride	75-09-2	EPA 624	J37582-4	03-Aug-06	08-Sep-06	UNK	TRIP BLANK	0	U	1	ug/l		
Bromoform	75-25-2	EPA 624	J37582-4	03-Aug-06	08-Sep-06	UNK	TRIP BLANK	0	U	1	ug/l		
Bromodichloromethane	75-27-4	EPA 624	J37582-4	03-Aug-06	08-Sep-06	UNK	TRIP BLANK	0	U	1	ug/l		
1,1-Dichloroethane	75-34-3	EPA 624	J37582-4	03-Aug-06	08-Sep-06	UNK	TRIP BLANK	0	U	1	ug/l		
1,1-Dichloroethene	75-35-4	EPA 624	J37582-4	03-Aug-06	08-Sep-06	UNK	TRIP BLANK	0	U	1	ug/l		
Trichlorofluoromethane	75-69-4	EPA 624	J37582-4	03-Aug-06	08-Sep-06	UNK	TRIP BLANK	0	U	2	ug/l		
Dichlorodifluoromethane	75-71-8	EPA 624	J37582-4	03-Aug-06	08-Sep-06	UNK	TRIP BLANK	0	U	2	ug/l		
1,2-Dichloropropane	78-87-5	EPA 624	J37582-4	03-Aug-06	08-Sep-06	UNK	TRIP BLANK	0	U	1	ug/l		
1,1,2-Trichloroethane	79-00-5	EPA 624	J37582-4	03-Aug-06	08-Sep-06	UNK	TRIP BLANK	0	U	1	ug/l		
Trichloroethene	79-01-6	EPA 624	J37582-4	03-Aug-06	08-Sep-06	UNK	TRIP BLANK	0	U	1	ug/l		
1,1,2,2-Tetrachloroethane	79-34-5	EPA 624	J37582-4	03-Aug-06	08-Sep-06	UNK	TRIP BLANK	0	U	1	ug/l		
1,2-Dichlorobenzene	95-50-1	EPA 624	J37582-4	03-Aug-06	08-Sep-06	UNK	TRIP BLANK	0	U	1	ug/l		
Aluminum, Dissolved	7429-90-5	EPA 200.7	J37582-1F	03-Aug-06	08-Sep-06	SP114	0806	0	U	100	ug/l		
Aluminum, Dissolved	7429-90-5	EPA 200.7	J37582-3F	03-Aug-06	08-Sep-06	SP119	0806	0	U	100	ug/l		

DATA USABILITY SUMMARY REPORT FOR SEPTEMBER 2006 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 September 6, 2006. These samples were received by Accutest Laboratories (Accutest) within one day of collection on September 7, 2006. 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 5.8°C. All samples were received intact and in good condition at Accutest.

The analytical data package generated by Accutest (Accutest Job # J40276) 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	Location	Result	Code	RL	Units	Valid Result	Valid Code
Iron, Total	7439-89-6	EPA 200.7	J40276-1	06-Sep-06	28-Nov-06	SP114	0906	48400		100	ug/l		
Lead, Total	7439-92-1	EPA 200.7	J40276-1	06-Sep-06	28-Nov-06	SP114	0906	0	U	3	ug/l		
Nickel, Total	7440-02-0	EPA 200.7	J40276-1	06-Sep-06	28-Nov-06	SP114	0906	0	U	40	ug/l		
Arsenic, Total	7440-38-2	EPA 200.7	J40276-1	06-Sep-06	28-Nov-06	SP114	0906	117		8	ug/l		
Copper, Total	7440-50-8	EPA 200.7	J40276-1	06-Sep-06	28-Nov-06	SP114	0906	0	U	25	ug/l		
Zinc, Total	7440-66-6	EPA 200.7	J40276-1	06-Sep-06	28-Nov-06	SP114	0906	0	U	20	ug/l		
Aluminum, Total	7429-90-5	EPA 200.7	J40276-1	06-Sep-06	28-Nov-06	SP114	0906	0	U	100	ug/l		
Chromium, Total	7440-47-3	EPA 200.7	J40276-1	06-Sep-06	28-Nov-06	SP114	0906	0	U	10	ug/l		
pH		EPA 150.1	J40276-1	06-Sep-06	28-Nov-06	SP114	0906	6.7			su		
Ethylbenzene	100-41-4	EPA 624	J40276-1	06-Sep-06	28-Nov-06	SP114	0906	4.3		1	ug/l		
cis-1,3-Dichloropropene	10061-01-5	EPA 624	J40276-1	06-Sep-06	28-Nov-06	SP114	0906	0	U	1	ug/l		
trans-1,3-Dichloropropene	10061-02-6	EPA 624	J40276-1	06-Sep-06	28-Nov-06	SP114	0906	0	U	1	ug/l		
1,4-Dichlorobenzene	106-46-7	EPA 624	J40276-1	06-Sep-06	28-Nov-06	SP114	0906	0	U	1	ug/l		
1,2-Dichloroethane	107-06-2	EPA 624	J40276-1	06-Sep-06	28-Nov-06	SP114	0906	0	U	1	ug/l		
Toluene	108-88-3	EPA 624	J40276-1	06-Sep-06	28-Nov-06	SP114	0906	5.8		1	ug/l		
Chlorobenzene	108-90-7	EPA 624	J40276-1	06-Sep-06	28-Nov-06	SP114	0906	0.72	J	1	ug/l		
Dibromochloromethane	124-48-1	EPA 624	J40276-1	06-Sep-06	28-Nov-06	SP114	0906	0	U	1	ug/l		
Tetrachloroethene	127-18-4	EPA 624	J40276-1	06-Sep-06	28-Nov-06	SP114	0906	0	U	1	ug/l		
Xylenes (total)	1330-20-7	EPA 624	J40276-1	06-Sep-06	28-Nov-06	SP114	0906	9.1		1	ug/l		
cis-1,2-Dichloroethene	156-59-2	EPA 624	J40276-1	06-Sep-06	28-Nov-06	SP114	0906	10.9		1	ug/l		
trans-1,2-Dichloroethene	156-60-5	EPA 624	J40276-1	06-Sep-06	28-Nov-06	SP114	0906	0.58	J	1	ug/l		
1,3-Dichlorobenzene	541-73-1	EPA 624	J40276-1	06-Sep-06	28-Nov-06	SP114	0906	0	U	1	ug/l		
Carbon tetrachloride	56-23-5	EPA 624	J40276-1	06-Sep-06	28-Nov-06	SP114	0906	0	U	1	ug/l		
Chloroform	67-66-3	EPA 624	J40276-1	06-Sep-06	28-Nov-06	SP114	0906	0	U	1	ug/l		
Benzene	71-43-2	EPA 624	J40276-1	06-Sep-06	28-Nov-06	SP114	0906	77		1	ug/l		
1,1,1-Trichloroethane	71-55-6	EPA 624	J40276-1	06-Sep-06	28-Nov-06	SP114	0906	4.8		1	ug/l		
Methyl bromide	74-83-9	EPA 624	J40276-1	06-Sep-06	28-Nov-06	SP114	0906	0	U	1	ug/l		
Chloromethane	74-87-3	EPA 624	J40276-1	06-Sep-06	28-Nov-06	SP114	0906	0	U	1	ug/l		
Chloroethane	75-00-3	EPA 624	J40276-1	06-Sep-06	28-Nov-06	SP114	0906	0	U	1	ug/l		
Vinyl chloride	75-01-4	EPA 624	J40276-1	06-Sep-06	28-Nov-06	SP114	0906	55.3		2	ug/l		
Methylene chloride	75-09-2	EPA 624	J40276-1	06-Sep-06	28-Nov-06	SP114	0906	2.7		1	ug/l		
Bromoform	75-25-2	EPA 624	J40276-1	06-Sep-06	28-Nov-06	SP114	0906	0	U	1	ug/l		
Bromodichloromethane	75-27-4	EPA 624	J40276-1	06-Sep-06	28-Nov-06	SP114	0906	0	U	1	ug/l		
1,1-Dichloroethane	75-34-3	EPA 624	J40276-1	06-Sep-06	28-Nov-06	SP114	0906	14.5		1	ug/l		
1,1-Dichloroethene	75-35-4	EPA 624	J40276-1	06-Sep-06	28-Nov-06	SP114	0906	0	U	1	ug/l		
Trichlorofluoromethane	75-69-4	EPA 624	J40276-1	06-Sep-06	28-Nov-06	SP114	0906	0	U	2	ug/l		
Dichlorodifluoromethane	75-71-8	EPA 624	J40276-1	06-Sep-06	28-Nov-06	SP114	0906	0	U	2	ug/l		
1,2-Dichloropropane	78-87-5	EPA 624	J40276-1	06-Sep-06	28-Nov-06	SP114	0906	0	U	1	ug/l		
1,1,2-Trichloroethane	79-00-5	EPA 624	J40276-1	06-Sep-06	28-Nov-06	SP114	0906	0	U	1	ug/l		
Trichloroethene	79-01-6	EPA 624	J40276-1	06-Sep-06	28-Nov-06	SP114	0906	0	U	1	ug/l		
1,1,2,2-Tetrachloroethane	79-34-5	EPA 624	J40276-1	06-Sep-06	28-Nov-06	SP114	0906	0	U	1	ug/l		
1,2-Dichlorobenzene	95-50-1	EPA 624	J40276-1	06-Sep-06	28-Nov-06	SP114	0906	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	J40276-2	06-Sep-06	28-Nov-06	SP217	0906	0	U	1	ug/l		
cis-1,3-Dichloropropene	10061-01-5	EPA 624	J40276-2	06-Sep-06	28-Nov-06	SP217	0906	0	U	1	ug/l		
trans-1,3-Dichloropropene	10061-02-6	EPA 624	J40276-2	06-Sep-06	28-Nov-06	SP217	0906	0	U	1	ug/l		
1,4-Dichlorobenzene	106-46-7	EPA 624	J40276-2	06-Sep-06	28-Nov-06	SP217	0906	0	U	1	ug/l		
1,2-Dichloroethane	107-06-2	EPA 624	J40276-2	06-Sep-06	28-Nov-06	SP217	0906	0	U	1	ug/l		
Toluene	108-88-3	EPA 624	J40276-2	06-Sep-06	28-Nov-06	SP217	0906	0	U	1	ug/l		
Chlorobenzene	108-90-7	EPA 624	J40276-2	06-Sep-06	28-Nov-06	SP217	0906	0	U	1	ug/l		
Dibromochloromethane	124-48-1	EPA 624	J40276-2	06-Sep-06	28-Nov-06	SP217	0906	0	U	1	ug/l		
Tetrachloroethene	127-18-4	EPA 624	J40276-2	06-Sep-06	28-Nov-06	SP217	0906	0	U	1	ug/l		
Xylenes (total)	1330-20-7	EPA 624	J40276-2	06-Sep-06	28-Nov-06	SP217	0906	0	U	1	ug/l		
cis-1,2-Dichloroethene	156-59-2	EPA 624	J40276-2	06-Sep-06	28-Nov-06	SP217	0906	1.8		1	ug/l		
trans-1,2-Dichloroethene	156-60-5	EPA 624	J40276-2	06-Sep-06	28-Nov-06	SP217	0906	0	U	1	ug/l		
1,3-Dichlorobenzene	541-73-1	EPA 624	J40276-2	06-Sep-06	28-Nov-06	SP217	0906	0	U	1	ug/l		
Carbon tetrachloride	56-23-5	EPA 624	J40276-2	06-Sep-06	28-Nov-06	SP217	0906	0	U	1	ug/l		
Chloroform	67-66-3	EPA 624	J40276-2	06-Sep-06	28-Nov-06	SP217	0906	2.1		1	ug/l		
Benzene	71-43-2	EPA 624	J40276-2	06-Sep-06	28-Nov-06	SP217	0906	0	U	1	ug/l		
1,1,1-Trichloroethane	71-55-6	EPA 624	J40276-2	06-Sep-06	28-Nov-06	SP217	0906	0	U	1	ug/l		
Methyl bromide	74-83-9	EPA 624	J40276-2	06-Sep-06	28-Nov-06	SP217	0906	0	U	1	ug/l		
Chloromethane	74-87-3	EPA 624	J40276-2	06-Sep-06	28-Nov-06	SP217	0906	0	U	1	ug/l		
Chloroethane	75-00-3	EPA 624	J40276-2	06-Sep-06	28-Nov-06	SP217	0906	0	U	1	ug/l		
Vinyl chloride	75-01-4	EPA 624	J40276-2	06-Sep-06	28-Nov-06	SP217	0906	0	U	2	ug/l		
Methylene chloride	75-09-2	EPA 624	J40276-2	06-Sep-06	28-Nov-06	SP217	0906	0	U	1	ug/l		
Bromoform	75-25-2	EPA 624	J40276-2	06-Sep-06	28-Nov-06	SP217	0906	0	U	1	ug/l		
Bromodichloromethane	75-27-4	EPA 624	J40276-2	06-Sep-06	28-Nov-06	SP217	0906	0.47	J	1	ug/l		
1,1-Dichloroethane	75-34-3	EPA 624	J40276-2	06-Sep-06	28-Nov-06	SP217	0906	2.2		1	ug/l		
1,1-Dichloroethene	75-35-4	EPA 624	J40276-2	06-Sep-06	28-Nov-06	SP217	0906	0	U	1	ug/l		
Trichlorofluoromethane	75-69-4	EPA 624	J40276-2	06-Sep-06	28-Nov-06	SP217	0906	0	U	2	ug/l		
Dichlorodifluoromethane	75-71-8	EPA 624	J40276-2	06-Sep-06	28-Nov-06	SP217	0906	0	U	2	ug/l		
1,2-Dichloropropane	78-87-5	EPA 624	J40276-2	06-Sep-06	28-Nov-06	SP217	0906	0	U	1	ug/l		
1,1,2-Trichloroethane	79-00-5	EPA 624	J40276-2	06-Sep-06	28-Nov-06	SP217	0906	0	U	1	ug/l		
Trichloroethene	79-01-6	EPA 624	J40276-2	06-Sep-06	28-Nov-06	SP217	0906	0	U	1	ug/l		
1,1,2,2-Tetrachloroethane	79-34-5	EPA 624	J40276-2	06-Sep-06	28-Nov-06	SP217	0906	0	U	1	ug/l		
1,2-Dichlorobenzene	95-50-1	EPA 624	J40276-2	06-Sep-06	28-Nov-06	SP217	0906	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	J40276-3	06-Sep-06	28-Nov-06	SP219	0906	143		100	ug/l		
Lead, Total	7439-92-1	EPA 200.7	J40276-3	06-Sep-06	28-Nov-06	SP219	0906	0	U	3	ug/l		
Nickel, Total	7440-02-0	EPA 200.7	J40276-3	06-Sep-06	28-Nov-06	SP219	0906	0	U	40	ug/l		
Arsenic, Total	7440-38-2	EPA 200.7	J40276-3	06-Sep-06	28-Nov-06	SP219	0906	0	U	8	ug/l		
Chromium, Total	7440-47-3	EPA 200.7	J40276-3	06-Sep-06	28-Nov-06	SP219	0906	0	U	10	ug/l		
Copper, Total	7440-50-8	EPA 200.7	J40276-3	06-Sep-06	28-Nov-06	SP219	0906	0	U	25	ug/l		
Zinc, Total	7440-66-6	EPA 200.7	J40276-3	06-Sep-06	28-Nov-06	SP219	0906	0	U	20	ug/l		
Aluminum, Total	7429-90-5	EPA 200.7	J40276-3	06-Sep-06	28-Nov-06	SP219	0906	0	U	100	ug/l		
pH		EPA 150.1	J40276-3	06-Sep-06	28-Nov-06	SP219	0906	7.47			su		
Oil And Grease		EPA 1664A	J40276-3	06-Sep-06	28-Nov-06	SP219	0906	0	U	5	mg/l		
Ethylbenzene	100-41-4	EPA 624	J40276-3	06-Sep-06	28-Nov-06	SP219	0906	0	U	1	ug/l		
cis-1,3-Dichloropropene	10061-01-5	EPA 624	J40276-3	06-Sep-06	28-Nov-06	SP219	0906	0	U	1	ug/l		
trans-1,3-Dichloropropene	10061-02-6	EPA 624	J40276-3	06-Sep-06	28-Nov-06	SP219	0906	0	U	1	ug/l		
1,4-Dichlorobenzene	106-46-7	EPA 624	J40276-3	06-Sep-06	28-Nov-06	SP219	0906	0	U	1	ug/l		
1,2-Dichloroethane	107-06-2	EPA 624	J40276-3	06-Sep-06	28-Nov-06	SP219	0906	0	U	1	ug/l		
Toluene	108-88-3	EPA 624	J40276-3	06-Sep-06	28-Nov-06	SP219	0906	0	U	1	ug/l		
Chlorobenzene	108-90-7	EPA 624	J40276-3	06-Sep-06	28-Nov-06	SP219	0906	0	U	1	ug/l		
Dibromochloromethane	124-48-1	EPA 624	J40276-3	06-Sep-06	28-Nov-06	SP219	0906	0	U	1	ug/l		
Tetrachloroethene	127-18-4	EPA 624	J40276-3	06-Sep-06	28-Nov-06	SP219	0906	0	U	1	ug/l		
Xylenes (total)	1330-20-7	EPA 624	J40276-3	06-Sep-06	28-Nov-06	SP219	0906	0	U	1	ug/l		
cis-1,2-Dichloroethene	156-59-2	EPA 624	J40276-3	06-Sep-06	28-Nov-06	SP219	0906	0	U	1	ug/l		
trans-1,2-Dichloroethene	156-60-5	EPA 624	J40276-3	06-Sep-06	28-Nov-06	SP219	0906	0	U	1	ug/l		
1,3-Dichlorobenzene	541-73-1	EPA 624	J40276-3	06-Sep-06	28-Nov-06	SP219	0906	0	U	1	ug/l		
Carbon tetrachloride	56-23-5	EPA 624	J40276-3	06-Sep-06	28-Nov-06	SP219	0906	0	U	1	ug/l		
Chloroform	67-66-3	EPA 624	J40276-3	06-Sep-06	28-Nov-06	SP219	0906	0	U	1	ug/l		
Benzene	71-43-2	EPA 624	J40276-3	06-Sep-06	28-Nov-06	SP219	0906	0	U	1	ug/l		
1,1,1-Trichloroethane	71-55-6	EPA 624	J40276-3	06-Sep-06	28-Nov-06	SP219	0906	0	U	1	ug/l		
Methyl bromide	74-83-9	EPA 624	J40276-3	06-Sep-06	28-Nov-06	SP219	0906	0	U	1	ug/l		
Chloromethane	74-87-3	EPA 624	J40276-3	06-Sep-06	28-Nov-06	SP219	0906	0	U	1	ug/l		
Chloroethane	75-00-3	EPA 624	J40276-3	06-Sep-06	28-Nov-06	SP219	0906	0	U	1	ug/l		
Vinyl chloride	75-01-4	EPA 624	J40276-3	06-Sep-06	28-Nov-06	SP219	0906	0	U	2	ug/l		
Methylene chloride	75-09-2	EPA 624	J40276-3	06-Sep-06	28-Nov-06	SP219	0906	0	U	1	ug/l		
Bromoform	75-25-2	EPA 624	J40276-3	06-Sep-06	28-Nov-06	SP219	0906	0	U	1	ug/l		
Bromodichloromethane	75-27-4	EPA 624	J40276-3	06-Sep-06	28-Nov-06	SP219	0906	0	U	1	ug/l		
1,1-Dichloroethane	75-34-3	EPA 624	J40276-3	06-Sep-06	28-Nov-06	SP219	0906	0	U	1	ug/l		
1,1-Dichloroethene	75-35-4	EPA 624	J40276-3	06-Sep-06	28-Nov-06	SP219	0906	0	U	1	ug/l		
Trichlorofluoromethane	75-69-4	EPA 624	J40276-3	06-Sep-06	28-Nov-06	SP219	0906	0	U	2	ug/l		
Dichlorodifluoromethane	75-71-8	EPA 624	J40276-3	06-Sep-06	28-Nov-06	SP219	0906	0	U	2	ug/l		
1,2-Dichloropropane	78-87-5	EPA 624	J40276-3	06-Sep-06	28-Nov-06	SP219	0906	0	U	1	ug/l		
1,1,2-Trichloroethane	79-00-5	EPA 624	J40276-3	06-Sep-06	28-Nov-06	SP219	0906	0	U	1	ug/l		
Trichloroethene	79-01-6	EPA 624	J40276-3	06-Sep-06	28-Nov-06	SP219	0906	0	U	1	ug/l		
1,1,2,2-Tetrachloroethane	79-34-5	EPA 624	J40276-3	06-Sep-06	28-Nov-06	SP219	0906	0	U	1	ug/l		
1,2-Dichlorobenzene	95-50-1	EPA 624	J40276-3	06-Sep-06	28-Nov-06	SP219	0906	0	U	1	ug/l		

Analyte	casno	Method	Labsampid	Date Sampled	Validation Date	Sample	Location	Result	Code	RL	Units	Valid Result	Valid Code
Cyanide	57-12-5	335.3/LACH	J40276-3	06-Sep-06	28-Nov-06	SP219	0906	0	U	0.01	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	J40276-4	06-Sep-06	28-Nov-06	UNK	TRIP BLANK	0	U	1	ug/l		
cis-1,3-Dichloropropene	10061-01-5	EPA 624	J40276-4	06-Sep-06	28-Nov-06	UNK	TRIP BLANK	0	U	1	ug/l		
trans-1,3-Dichloropropene	10061-02-6	EPA 624	J40276-4	06-Sep-06	28-Nov-06	UNK	TRIP BLANK	0	U	1	ug/l		
1,4-Dichlorobenzene	106-46-7	EPA 624	J40276-4	06-Sep-06	28-Nov-06	UNK	TRIP BLANK	0	U	1	ug/l		
1,2-Dichloroethane	107-06-2	EPA 624	J40276-4	06-Sep-06	28-Nov-06	UNK	TRIP BLANK	0	U	1	ug/l		
Toluene	108-88-3	EPA 624	J40276-4	06-Sep-06	28-Nov-06	UNK	TRIP BLANK	0	U	1	ug/l		
Chlorobenzene	108-90-7	EPA 624	J40276-4	06-Sep-06	28-Nov-06	UNK	TRIP BLANK	0	U	1	ug/l		
Dibromochloromethane	124-48-1	EPA 624	J40276-4	06-Sep-06	28-Nov-06	UNK	TRIP BLANK	0	U	1	ug/l		
Tetrachloroethene	127-18-4	EPA 624	J40276-4	06-Sep-06	28-Nov-06	UNK	TRIP BLANK	0	U	1	ug/l		
Xylenes (total)	1330-20-7	EPA 624	J40276-4	06-Sep-06	28-Nov-06	UNK	TRIP BLANK	0	U	1	ug/l		
cis-1,2-Dichloroethene	156-59-2	EPA 624	J40276-4	06-Sep-06	28-Nov-06	UNK	TRIP BLANK	0	U	1	ug/l		
trans-1,2-Dichloroethene	156-60-5	EPA 624	J40276-4	06-Sep-06	28-Nov-06	UNK	TRIP BLANK	0	U	1	ug/l		
1,3-Dichlorobenzene	541-73-1	EPA 624	J40276-4	06-Sep-06	28-Nov-06	UNK	TRIP BLANK	0	U	1	ug/l		
Carbon tetrachloride	56-23-5	EPA 624	J40276-4	06-Sep-06	28-Nov-06	UNK	TRIP BLANK	0	U	1	ug/l		
Chloroform	67-66-3	EPA 624	J40276-4	06-Sep-06	28-Nov-06	UNK	TRIP BLANK	0	U	1	ug/l		
Benzene	71-43-2	EPA 624	J40276-4	06-Sep-06	28-Nov-06	UNK	TRIP BLANK	0	U	1	ug/l		
1,1,1-Trichloroethane	71-55-6	EPA 624	J40276-4	06-Sep-06	28-Nov-06	UNK	TRIP BLANK	0	U	1	ug/l		
Methyl bromide	74-83-9	EPA 624	J40276-4	06-Sep-06	28-Nov-06	UNK	TRIP BLANK	0	U	1	ug/l		
Chloromethane	74-87-3	EPA 624	J40276-4	06-Sep-06	28-Nov-06	UNK	TRIP BLANK	0	U	1	ug/l		
Chloroethane	75-00-3	EPA 624	J40276-4	06-Sep-06	28-Nov-06	UNK	TRIP BLANK	0	U	1	ug/l		
Vinyl chloride	75-01-4	EPA 624	J40276-4	06-Sep-06	28-Nov-06	UNK	TRIP BLANK	0	U	2	ug/l		
Methylene chloride	75-09-2	EPA 624	J40276-4	06-Sep-06	28-Nov-06	UNK	TRIP BLANK	0	U	1	ug/l		
Bromoform	75-25-2	EPA 624	J40276-4	06-Sep-06	28-Nov-06	UNK	TRIP BLANK	0	U	1	ug/l		
Bromodichloromethane	75-27-4	EPA 624	J40276-4	06-Sep-06	28-Nov-06	UNK	TRIP BLANK	0	U	1	ug/l		
1,1-Dichloroethane	75-34-3	EPA 624	J40276-4	06-Sep-06	28-Nov-06	UNK	TRIP BLANK	0	U	1	ug/l		
1,1-Dichloroethene	75-35-4	EPA 624	J40276-4	06-Sep-06	28-Nov-06	UNK	TRIP BLANK	0	U	1	ug/l		
Trichlorofluoromethane	75-69-4	EPA 624	J40276-4	06-Sep-06	28-Nov-06	UNK	TRIP BLANK	0	U	2	ug/l		
Dichlorodifluoromethane	75-71-8	EPA 624	J40276-4	06-Sep-06	28-Nov-06	UNK	TRIP BLANK	0	U	2	ug/l		
1,2-Dichloropropane	78-87-5	EPA 624	J40276-4	06-Sep-06	28-Nov-06	UNK	TRIP BLANK	0	U	1	ug/l		
1,1,2-Trichloroethane	79-00-5	EPA 624	J40276-4	06-Sep-06	28-Nov-06	UNK	TRIP BLANK	0	U	1	ug/l		
Trichloroethene	79-01-6	EPA 624	J40276-4	06-Sep-06	28-Nov-06	UNK	TRIP BLANK	0	U	1	ug/l		
1,1,2,2-Tetrachloroethane	79-34-5	EPA 624	J40276-4	06-Sep-06	28-Nov-06	UNK	TRIP BLANK	0	U	1	ug/l		
1,2-Dichlorobenzene	95-50-1	EPA 624	J40276-4	06-Sep-06	28-Nov-06	UNK	TRIP BLANK	0	U	1	ug/l		
Aluminum, Dissolved	7429-90-5	EPA 200.7	J40276-1F	06-Sep-06	28-Nov-06	SP114	0906	0	U	100	ug/l		
Aluminum, Dissolved	7429-90-5	EPA 200.7	J40276-3F	06-Sep-06	28-Nov-06	SP219	0906	0	U	100	ug/l		

DATA USABILITY SUMMARY REPORT FOR OCTOBER 2006 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 October 5, 2006. These samples were received by Accutest Laboratories (Accutest) within one day of collection on October 6, 2006. 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 # J43078) was received by On-Site within 27 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	Location	Result	Code	RL	Units	Valid Result	Valid Code
Oil And Grease		EPA 1664A	J43078-3	05-Oct-06	29-Nov-06	SP219	1006	0	U	5.1	mg/l		
Ethylbenzene	100-41-4	EPA 624	J43078-3	05-Oct-06	29-Nov-06	SP219	1006	0	U	1	ug/l		
cis-1,3-Dichloropropene	10061-01-5	EPA 624	J43078-3	05-Oct-06	29-Nov-06	SP219	1006	0	U	1	ug/l		
trans-1,3-Dichloropropene	10061-02-6	EPA 624	J43078-3	05-Oct-06	29-Nov-06	SP219	1006	0	U	1	ug/l		
1,4-Dichlorobenzene	106-46-7	EPA 624	J43078-3	05-Oct-06	29-Nov-06	SP219	1006	0	U	1	ug/l		
1,2-Dichloroethane	107-06-2	EPA 624	J43078-3	05-Oct-06	29-Nov-06	SP219	1006	0	U	1	ug/l		
Toluene	108-88-3	EPA 624	J43078-3	05-Oct-06	29-Nov-06	SP219	1006	0	U	1	ug/l		
Chlorobenzene	108-90-7	EPA 624	J43078-3	05-Oct-06	29-Nov-06	SP219	1006	0	U	1	ug/l		
Dibromochloromethane	124-48-1	EPA 624	J43078-3	05-Oct-06	29-Nov-06	SP219	1006	0	U	1	ug/l		
Tetrachloroethene	127-18-4	EPA 624	J43078-3	05-Oct-06	29-Nov-06	SP219	1006	0	U	1	ug/l		
Xylenes (total)	1330-20-7	EPA 624	J43078-3	05-Oct-06	29-Nov-06	SP219	1006	0	U	1	ug/l		
cis-1,2-Dichloroethene	156-59-2	EPA 624	J43078-3	05-Oct-06	29-Nov-06	SP219	1006	0	U	1	ug/l		
trans-1,2-Dichloroethene	156-60-5	EPA 624	J43078-3	05-Oct-06	29-Nov-06	SP219	1006	0	U	1	ug/l		
1,3-Dichlorobenzene	541-73-1	EPA 624	J43078-3	05-Oct-06	29-Nov-06	SP219	1006	0	U	1	ug/l		
Carbon tetrachloride	56-23-5	EPA 624	J43078-3	05-Oct-06	29-Nov-06	SP219	1006	0	U	1	ug/l		
Chloroform	67-66-3	EPA 624	J43078-3	05-Oct-06	29-Nov-06	SP219	1006	0.67	J	1	ug/l		
Benzene	71-43-2	EPA 624	J43078-3	05-Oct-06	29-Nov-06	SP219	1006	0	U	1	ug/l		
1,1,1-Trichloroethane	71-55-6	EPA 624	J43078-3	05-Oct-06	29-Nov-06	SP219	1006	0	U	1	ug/l		
Methyl bromide	74-83-9	EPA 624	J43078-3	05-Oct-06	29-Nov-06	SP219	1006	0	U	1	ug/l		
Chloromethane	74-87-3	EPA 624	J43078-3	05-Oct-06	29-Nov-06	SP219	1006	0	U	1	ug/l		
Chloroethane	75-00-3	EPA 624	J43078-3	05-Oct-06	29-Nov-06	SP219	1006	0	U	1	ug/l		
Vinyl chloride	75-01-4	EPA 624	J43078-3	05-Oct-06	29-Nov-06	SP219	1006	0	U	2	ug/l		
Methylene chloride	75-09-2	EPA 624	J43078-3	05-Oct-06	29-Nov-06	SP219	1006	0	U	1	ug/l		
Bromoform	75-25-2	EPA 624	J43078-3	05-Oct-06	29-Nov-06	SP219	1006	0	U	1	ug/l		
Bromodichloromethane	75-27-4	EPA 624	J43078-3	05-Oct-06	29-Nov-06	SP219	1006	0	U	1	ug/l		
1,1-Dichloroethane	75-34-3	EPA 624	J43078-3	05-Oct-06	29-Nov-06	SP219	1006	1.3		1	ug/l		
1,1-Dichloroethene	75-35-4	EPA 624	J43078-3	05-Oct-06	29-Nov-06	SP219	1006	0	U	1	ug/l		
Trichlorofluoromethane	75-69-4	EPA 624	J43078-3	05-Oct-06	29-Nov-06	SP219	1006	0	U	2	ug/l		
Dichlorodifluoromethane	75-71-8	EPA 624	J43078-3	05-Oct-06	29-Nov-06	SP219	1006	0	U	2	ug/l		
1,2-Dichloropropane	78-87-5	EPA 624	J43078-3	05-Oct-06	29-Nov-06	SP219	1006	0	U	1	ug/l		
1,1,2-Trichloroethane	79-00-5	EPA 624	J43078-3	05-Oct-06	29-Nov-06	SP219	1006	0	U	1	ug/l		
Trichloroethene	79-01-6	EPA 624	J43078-3	05-Oct-06	29-Nov-06	SP219	1006	0	U	1	ug/l		
1,1,2,2-Tetrachloroethane	79-34-5	EPA 624	J43078-3	05-Oct-06	29-Nov-06	SP219	1006	0	U	1	ug/l		
1,2-Dichlorobenzene	95-50-1	EPA 624	J43078-3	05-Oct-06	29-Nov-06	SP219	1006	0	U	1	ug/l		
Aluminum, Total	7429-90-5	EPA 200.7	J43078-3	05-Oct-06	29-Nov-06	SP219	1006	0	U	200	ug/l		
Iron, Total	7439-89-6	EPA 200.7	J43078-3	05-Oct-06	29-Nov-06	SP219	1006	0	U	100	ug/l		
Lead, Total	7439-92-1	EPA 200.7	J43078-3	05-Oct-06	29-Nov-06	SP219	1006	0	U	3	ug/l		
Nickel, Total	7440-02-0	EPA 200.7	J43078-3	05-Oct-06	29-Nov-06	SP219	1006	0	U	40	ug/l		
Arsenic, Total	7440-38-2	EPA 200.7	J43078-3	05-Oct-06	29-Nov-06	SP219	1006	0	U	8	ug/l		
Chromium, Total	7440-47-3	EPA 200.7	J43078-3	05-Oct-06	29-Nov-06	SP219	1006	0	U	10	ug/l		
Copper, Total	7440-50-8	EPA 200.7	J43078-3	05-Oct-06	29-Nov-06	SP219	1006	0	U	25	ug/l		
Zinc, Total	7440-66-6	EPA 200.7	J43078-3	05-Oct-06	29-Nov-06	SP219	1006	0	U	20	ug/l		
Cyanide	57-12-5	335.3/LACH	J43078-3	05-Oct-06	29-Nov-06	SP219	1006	0	U	0.01	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	J43078-4	05-Oct-06	29-Nov-06	UNK	TRIP BLANK	0	U	1	ug/l		
cis-1,3-Dichloropropene	10061-01-5	EPA 624	J43078-4	05-Oct-06	29-Nov-06	UNK	TRIP BLANK	0	U	1	ug/l		
trans-1,3-Dichloropropene	10061-02-6	EPA 624	J43078-4	05-Oct-06	29-Nov-06	UNK	TRIP BLANK	0	U	1	ug/l		
1,4-Dichlorobenzene	106-46-7	EPA 624	J43078-4	05-Oct-06	29-Nov-06	UNK	TRIP BLANK	0	U	1	ug/l		
1,2-Dichloroethane	107-06-2	EPA 624	J43078-4	05-Oct-06	29-Nov-06	UNK	TRIP BLANK	0	U	1	ug/l		
Toluene	108-88-3	EPA 624	J43078-4	05-Oct-06	29-Nov-06	UNK	TRIP BLANK	0	U	1	ug/l		
Chlorobenzene	108-90-7	EPA 624	J43078-4	05-Oct-06	29-Nov-06	UNK	TRIP BLANK	0	U	1	ug/l		
Dibromochloromethane	124-48-1	EPA 624	J43078-4	05-Oct-06	29-Nov-06	UNK	TRIP BLANK	0	U	1	ug/l		
Tetrachloroethene	127-18-4	EPA 624	J43078-4	05-Oct-06	29-Nov-06	UNK	TRIP BLANK	0	U	1	ug/l		
Xylenes (total)	1330-20-7	EPA 624	J43078-4	05-Oct-06	29-Nov-06	UNK	TRIP BLANK	0	U	1	ug/l		
cis-1,2-Dichloroethene	156-59-2	EPA 624	J43078-4	05-Oct-06	29-Nov-06	UNK	TRIP BLANK	0	U	1	ug/l		
trans-1,2-Dichloroethene	156-60-5	EPA 624	J43078-4	05-Oct-06	29-Nov-06	UNK	TRIP BLANK	0	U	1	ug/l		
1,3-Dichlorobenzene	541-73-1	EPA 624	J43078-4	05-Oct-06	29-Nov-06	UNK	TRIP BLANK	0	U	1	ug/l		
Carbon tetrachloride	56-23-5	EPA 624	J43078-4	05-Oct-06	29-Nov-06	UNK	TRIP BLANK	0	U	1	ug/l		
Chloroform	67-66-3	EPA 624	J43078-4	05-Oct-06	29-Nov-06	UNK	TRIP BLANK	0	U	1	ug/l		
Benzene	71-43-2	EPA 624	J43078-4	05-Oct-06	29-Nov-06	UNK	TRIP BLANK	0	U	1	ug/l		
1,1,1-Trichloroethane	71-55-6	EPA 624	J43078-4	05-Oct-06	29-Nov-06	UNK	TRIP BLANK	0	U	1	ug/l		
Methyl bromide	74-83-9	EPA 624	J43078-4	05-Oct-06	29-Nov-06	UNK	TRIP BLANK	0	U	1	ug/l		
Chloromethane	74-87-3	EPA 624	J43078-4	05-Oct-06	29-Nov-06	UNK	TRIP BLANK	0	U	1	ug/l		
Chloroethane	75-00-3	EPA 624	J43078-4	05-Oct-06	29-Nov-06	UNK	TRIP BLANK	0	U	1	ug/l		
Vinyl chloride	75-01-4	EPA 624	J43078-4	05-Oct-06	29-Nov-06	UNK	TRIP BLANK	0	U	2	ug/l		
Methylene chloride	75-09-2	EPA 624	J43078-4	05-Oct-06	29-Nov-06	UNK	TRIP BLANK	0	U	1	ug/l		
Bromoform	75-25-2	EPA 624	J43078-4	05-Oct-06	29-Nov-06	UNK	TRIP BLANK	0	U	1	ug/l		
Bromodichloromethane	75-27-4	EPA 624	J43078-4	05-Oct-06	29-Nov-06	UNK	TRIP BLANK	0	U	1	ug/l		
1,1-Dichloroethane	75-34-3	EPA 624	J43078-4	05-Oct-06	29-Nov-06	UNK	TRIP BLANK	0	U	1	ug/l		
1,1-Dichloroethene	75-35-4	EPA 624	J43078-4	05-Oct-06	29-Nov-06	UNK	TRIP BLANK	0	U	1	ug/l		
Trichlorofluoromethane	75-69-4	EPA 624	J43078-4	05-Oct-06	29-Nov-06	UNK	TRIP BLANK	0	U	2	ug/l		
Dichlorodifluoromethane	75-71-8	EPA 624	J43078-4	05-Oct-06	29-Nov-06	UNK	TRIP BLANK	0	U	2	ug/l		
1,2-Dichloropropane	78-87-5	EPA 624	J43078-4	05-Oct-06	29-Nov-06	UNK	TRIP BLANK	0	U	1	ug/l		
1,1,2-Trichloroethane	79-00-5	EPA 624	J43078-4	05-Oct-06	29-Nov-06	UNK	TRIP BLANK	0	U	1	ug/l		
Trichloroethene	79-01-6	EPA 624	J43078-4	05-Oct-06	29-Nov-06	UNK	TRIP BLANK	0	U	1	ug/l		
1,1,2,2-Tetrachloroethane	79-34-5	EPA 624	J43078-4	05-Oct-06	29-Nov-06	UNK	TRIP BLANK	0	U	1	ug/l		
1,2-Dichlorobenzene	95-50-1	EPA 624	J43078-4	05-Oct-06	29-Nov-06	UNK	TRIP BLANK	0	U	1	ug/l		
Aluminum, Dissolved	7429-90-5	EPA 200.7	J43078-1F	05-Oct-06	29-Nov-06	SP114	1006	0	U	200	ug/l		
Aluminum, Dissolved	7429-90-5	EPA 200.7	J43078-3F	05-Oct-06	29-Nov-06	SP219	1006	0	U	200	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	J43078-1	05-Oct-06	29-Nov-06	SP114	1006	4.5		1	ug/l		
cis-1,3-Dichloropropene	10061-01-5	EPA 624	J43078-1	05-Oct-06	29-Nov-06	SP114	1006	0	U	1	ug/l		
trans-1,3-Dichloropropene	10061-02-6	EPA 624	J43078-1	05-Oct-06	29-Nov-06	SP114	1006	0	U	1	ug/l		
1,4-Dichlorobenzene	106-46-7	EPA 624	J43078-1	05-Oct-06	29-Nov-06	SP114	1006	0	U	1	ug/l		
1,2-Dichloroethane	107-06-2	EPA 624	J43078-1	05-Oct-06	29-Nov-06	SP114	1006	0	U	1	ug/l		
Toluene	108-88-3	EPA 624	J43078-1	05-Oct-06	29-Nov-06	SP114	1006	8.1		1	ug/l		
Chlorobenzene	108-90-7	EPA 624	J43078-1	05-Oct-06	29-Nov-06	SP114	1006	0.68	J	1	ug/l		
Dibromochloromethane	124-48-1	EPA 624	J43078-1	05-Oct-06	29-Nov-06	SP114	1006	0	U	1	ug/l		
Tetrachloroethene	127-18-4	EPA 624	J43078-1	05-Oct-06	29-Nov-06	SP114	1006	0	U	1	ug/l		
Xylenes (total)	1330-20-7	EPA 624	J43078-1	05-Oct-06	29-Nov-06	SP114	1006	9.6		1	ug/l		
cis-1,2-Dichloroethene	156-59-2	EPA 624	J43078-1	05-Oct-06	29-Nov-06	SP114	1006	29		1	ug/l		
trans-1,2-Dichloroethene	156-60-5	EPA 624	J43078-1	05-Oct-06	29-Nov-06	SP114	1006	1.1		1	ug/l		
1,3-Dichlorobenzene	541-73-1	EPA 624	J43078-1	05-Oct-06	29-Nov-06	SP114	1006	0	U	1	ug/l		
Carbon tetrachloride	56-23-5	EPA 624	J43078-1	05-Oct-06	29-Nov-06	SP114	1006	0	U	1	ug/l		
Chloroform	67-66-3	EPA 624	J43078-1	05-Oct-06	29-Nov-06	SP114	1006	0	U	1	ug/l		
Benzene	71-43-2	EPA 624	J43078-1	05-Oct-06	29-Nov-06	SP114	1006	93.3		1	ug/l		
1,1,1-Trichloroethane	71-55-6	EPA 624	J43078-1	05-Oct-06	29-Nov-06	SP114	1006	7.3		1	ug/l		
Methyl bromide	74-83-9	EPA 624	J43078-1	05-Oct-06	29-Nov-06	SP114	1006	0	U	1	ug/l		
Chloromethane	74-87-3	EPA 624	J43078-1	05-Oct-06	29-Nov-06	SP114	1006	0	U	1	ug/l		
Chloroethane	75-00-3	EPA 624	J43078-1	05-Oct-06	29-Nov-06	SP114	1006	0.94	J	1	ug/l		
Vinyl chloride	75-01-4	EPA 624	J43078-1	05-Oct-06	29-Nov-06	SP114	1006	93.2		2	ug/l		
Methylene chloride	75-09-2	EPA 624	J43078-1	05-Oct-06	29-Nov-06	SP114	1006	0	U	1	ug/l		
Bromoform	75-25-2	EPA 624	J43078-1	05-Oct-06	29-Nov-06	SP114	1006	0	U	1	ug/l		
Bromodichloromethane	75-27-4	EPA 624	J43078-1	05-Oct-06	29-Nov-06	SP114	1006	0	U	1	ug/l		
1,1-Dichloroethane	75-34-3	EPA 624	J43078-1	05-Oct-06	29-Nov-06	SP114	1006	20.6		1	ug/l		
1,1-Dichloroethene	75-35-4	EPA 624	J43078-1	05-Oct-06	29-Nov-06	SP114	1006	0	U	1	ug/l		
Trichlorofluoromethane	75-69-4	EPA 624	J43078-1	05-Oct-06	29-Nov-06	SP114	1006	0	U	2	ug/l		
Dichlorodifluoromethane	75-71-8	EPA 624	J43078-1	05-Oct-06	29-Nov-06	SP114	1006	0	U	2	ug/l		
1,2-Dichloropropane	78-87-5	EPA 624	J43078-1	05-Oct-06	29-Nov-06	SP114	1006	0	U	1	ug/l		
1,1,2-Trichloroethane	79-00-5	EPA 624	J43078-1	05-Oct-06	29-Nov-06	SP114	1006	0	U	1	ug/l		
Trichloroethene	79-01-6	EPA 624	J43078-1	05-Oct-06	29-Nov-06	SP114	1006	0	U	1	ug/l		
1,1,2,2-Tetrachloroethane	79-34-5	EPA 624	J43078-1	05-Oct-06	29-Nov-06	SP114	1006	0	U	1	ug/l		
1,2-Dichlorobenzene	95-50-1	EPA 624	J43078-1	05-Oct-06	29-Nov-06	SP114	1006	0	U	1	ug/l		
Aluminum, Total	7429-90-5	EPA 200.7	J43078-1	05-Oct-06	29-Nov-06	SP114	1006	0	U	200	ug/l		
Iron, Total	7439-89-6	EPA 200.7	J43078-1	05-Oct-06	29-Nov-06	SP114	1006	46000		100	ug/l		
Lead, Total	7439-92-1	EPA 200.7	J43078-1	05-Oct-06	29-Nov-06	SP114	1006	3.9		3	ug/l		
Nickel, Total	7440-02-0	EPA 200.7	J43078-1	05-Oct-06	29-Nov-06	SP114	1006	0	U	40	ug/l		
Arsenic, Total	7440-38-2	EPA 200.7	J43078-1	05-Oct-06	29-Nov-06	SP114	1006	124		8	ug/l		
Chromium, Total	7440-47-3	EPA 200.7	J43078-1	05-Oct-06	29-Nov-06	SP114	1006	0	U	10	ug/l		
Copper, Total	7440-50-8	EPA 200.7	J43078-1	05-Oct-06	29-Nov-06	SP114	1006	0	U	25	ug/l		
Zinc, Total	7440-66-6	EPA 200.7	J43078-1	05-Oct-06	29-Nov-06	SP114	1006	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	J43078-2	05-Oct-06	29-Nov-06	SP217	1006	0	U	1	ug/l		
cis-1,3-Dichloropropene	10061-01-5	EPA 624	J43078-2	05-Oct-06	29-Nov-06	SP217	1006	0	U	1	ug/l		
trans-1,3-Dichloropropene	10061-02-6	EPA 624	J43078-2	05-Oct-06	29-Nov-06	SP217	1006	0	U	1	ug/l		
1,4-Dichlorobenzene	106-46-7	EPA 624	J43078-2	05-Oct-06	29-Nov-06	SP217	1006	0	U	1	ug/l		
1,2-Dichloroethane	107-06-2	EPA 624	J43078-2	05-Oct-06	29-Nov-06	SP217	1006	0	U	1	ug/l		
Toluene	108-88-3	EPA 624	J43078-2	05-Oct-06	29-Nov-06	SP217	1006	0	U	1	ug/l		
Chlorobenzene	108-90-7	EPA 624	J43078-2	05-Oct-06	29-Nov-06	SP217	1006	0	U	1	ug/l		
Dibromochloromethane	124-48-1	EPA 624	J43078-2	05-Oct-06	29-Nov-06	SP217	1006	0	U	1	ug/l		
Tetrachloroethene	127-18-4	EPA 624	J43078-2	05-Oct-06	29-Nov-06	SP217	1006	0	U	1	ug/l		
Xylenes (total)	1330-20-7	EPA 624	J43078-2	05-Oct-06	29-Nov-06	SP217	1006	0	U	1	ug/l		
cis-1,2-Dichloroethene	156-59-2	EPA 624	J43078-2	05-Oct-06	29-Nov-06	SP217	1006	1.8		1	ug/l		
trans-1,2-Dichloroethene	156-60-5	EPA 624	J43078-2	05-Oct-06	29-Nov-06	SP217	1006	0	U	1	ug/l		
1,3-Dichlorobenzene	541-73-1	EPA 624	J43078-2	05-Oct-06	29-Nov-06	SP217	1006	0	U	1	ug/l		
Carbon tetrachloride	56-23-5	EPA 624	J43078-2	05-Oct-06	29-Nov-06	SP217	1006	0	U	1	ug/l		
Chloroform	67-66-3	EPA 624	J43078-2	05-Oct-06	29-Nov-06	SP217	1006	1.5		1	ug/l		
Benzene	71-43-2	EPA 624	J43078-2	05-Oct-06	29-Nov-06	SP217	1006	0	U	1	ug/l		
1,1,1-Trichloroethane	71-55-6	EPA 624	J43078-2	05-Oct-06	29-Nov-06	SP217	1006	0.64	J	1	ug/l		
Methyl bromide	74-83-9	EPA 624	J43078-2	05-Oct-06	29-Nov-06	SP217	1006	0	U	1	ug/l		
Chloromethane	74-87-3	EPA 624	J43078-2	05-Oct-06	29-Nov-06	SP217	1006	0	U	1	ug/l		
Chloroethane	75-00-3	EPA 624	J43078-2	05-Oct-06	29-Nov-06	SP217	1006	0	U	1	ug/l		
Vinyl chloride	75-01-4	EPA 624	J43078-2	05-Oct-06	29-Nov-06	SP217	1006	1.3	J	2	ug/l		
Methylene chloride	75-09-2	EPA 624	J43078-2	05-Oct-06	29-Nov-06	SP217	1006	0	U	1	ug/l		
Bromoform	75-25-2	EPA 624	J43078-2	05-Oct-06	29-Nov-06	SP217	1006	0	U	1	ug/l		
Bromodichloromethane	75-27-4	EPA 624	J43078-2	05-Oct-06	29-Nov-06	SP217	1006	0.49	J	1	ug/l		
1,1-Dichloroethane	75-34-3	EPA 624	J43078-2	05-Oct-06	29-Nov-06	SP217	1006	3.8		1	ug/l		
1,1-Dichloroethene	75-35-4	EPA 624	J43078-2	05-Oct-06	29-Nov-06	SP217	1006	0	U	1	ug/l		
Trichlorofluoromethane	75-69-4	EPA 624	J43078-2	05-Oct-06	29-Nov-06	SP217	1006	0	U	2	ug/l		
Dichlorodifluoromethane	75-71-8	EPA 624	J43078-2	05-Oct-06	29-Nov-06	SP217	1006	0	U	2	ug/l		
1,2-Dichloropropane	78-87-5	EPA 624	J43078-2	05-Oct-06	29-Nov-06	SP217	1006	0	U	1	ug/l		
1,1,2-Trichloroethane	79-00-5	EPA 624	J43078-2	05-Oct-06	29-Nov-06	SP217	1006	0	U	1	ug/l		
Trichloroethene	79-01-6	EPA 624	J43078-2	05-Oct-06	29-Nov-06	SP217	1006	0	U	1	ug/l		
1,1,2,2-Tetrachloroethane	79-34-5	EPA 624	J43078-2	05-Oct-06	29-Nov-06	SP217	1006	0	U	1	ug/l		
1,2-Dichlorobenzene	95-50-1	EPA 624	J43078-2	05-Oct-06	29-Nov-06	SP217	1006	0	U	1	ug/l		

DATA USABILITY SUMMARY REPORT FOR NOVEMBER 2006 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 November 1, 2006. These samples were received by Accutest Laboratories (Accutest) within one day of collection on November 2, 2006. 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 3.2°C. All samples were received intact and in good condition at Accutest.

The analytical data package generated by Accutest (Accutest Job # J45287) 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, 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	Location	Result	Code	Rt	Units	Valid Result	Valid Code
Ethylbenzene	100-41-4	EPA 624	J45287-1	01-Nov-06	30-Nov-06	SP114	1106	3.1		1	ug/l		
cis-1,3-Dichloropropene	10061-01-5	EPA 624	J45287-1	01-Nov-06	30-Nov-06	SP114	1106	0	U	1	ug/l		
trans-1,3-Dichloropropene	10061-02-6	EPA 624	J45287-1	01-Nov-06	30-Nov-06	SP114	1106	0	U	1	ug/l		
1,4-Dichlorobenzene	106-46-7	EPA 624	J45287-1	01-Nov-06	30-Nov-06	SP114	1106	0	U	1	ug/l		
1,2-Dichloroethane	107-06-2	EPA 624	J45287-1	01-Nov-06	30-Nov-06	SP114	1106	0	U	1	ug/l		
Toluene	108-88-3	EPA 624	J45287-1	01-Nov-06	30-Nov-06	SP114	1106	4.5		1	ug/l		
Chlorobenzene	108-90-7	EPA 624	J45287-1	01-Nov-06	30-Nov-06	SP114	1106	0	U	1	ug/l		
Dibromochloromethane	124-48-1	EPA 624	J45287-1	01-Nov-06	30-Nov-06	SP114	1106	0	U	1	ug/l		
Tetrachloroethene	127-18-4	EPA 624	J45287-1	01-Nov-06	30-Nov-06	SP114	1106	0	U	1	ug/l		
Xylenes (total)	1330-20-7	EPA 624	J45287-1	01-Nov-06	30-Nov-06	SP114	1106	5.8		1	ug/l		
cis-1,2-Dichloroethene	156-59-2	EPA 624	J45287-1	01-Nov-06	30-Nov-06	SP114	1106	4.5		1	ug/l		
trans-1,2-Dichloroethene	156-60-5	EPA 624	J45287-1	01-Nov-06	30-Nov-06	SP114	1106	0.61	J	1	ug/l		
1,3-Dichlorobenzene	541-73-1	EPA 624	J45287-1	01-Nov-06	30-Nov-06	SP114	1106	0	U	1	ug/l		
Carbon tetrachloride	56-23-5	EPA 624	J45287-1	01-Nov-06	30-Nov-06	SP114	1106	0	U	1	ug/l		
Chloroform	67-66-3	EPA 624	J45287-1	01-Nov-06	30-Nov-06	SP114	1106	0	U	1	ug/l		
Benzene	71-43-2	EPA 624	J45287-1	01-Nov-06	30-Nov-06	SP114	1106	76.2		1	ug/l		
1,1,1-Trichloroethane	71-55-6	EPA 624	J45287-1	01-Nov-06	30-Nov-06	SP114	1106	2.9		1	ug/l		
Methyl bromide	74-83-9	EPA 624	J45287-1	01-Nov-06	30-Nov-06	SP114	1106	0	U	1	ug/l		
Chloromethane	74-87-3	EPA 624	J45287-1	01-Nov-06	30-Nov-06	SP114	1106	0	U	1	ug/l		
Chloroethane	75-00-3	EPA 624	J45287-1	01-Nov-06	30-Nov-06	SP114	1106	0.55	J	1	ug/l		
Vinyl chloride	75-01-4	EPA 624	J45287-1	01-Nov-06	30-Nov-06	SP114	1106	33.5		2	ug/l		
Methylene chloride	75-09-2	EPA 624	J45287-1	01-Nov-06	30-Nov-06	SP114	1106	0	U	1	ug/l		
Bromoform	75-25-2	EPA 624	J45287-1	01-Nov-06	30-Nov-06	SP114	1106	0	U	1	ug/l		
Bromodichloromethane	75-27-4	EPA 624	J45287-1	01-Nov-06	30-Nov-06	SP114	1106	0	U	1	ug/l		
1,1-Dichloroethane	75-34-3	EPA 624	J45287-1	01-Nov-06	30-Nov-06	SP114	1106	19.1		1	ug/l		
1,1-Dichloroethene	75-35-4	EPA 624	J45287-1	01-Nov-06	30-Nov-06	SP114	1106	0	U	1	ug/l		
Trichlorofluoromethane	75-69-4	EPA 624	J45287-1	01-Nov-06	30-Nov-06	SP114	1106	0	U	2	ug/l		
Dichlorodifluoromethane	75-71-8	EPA 624	J45287-1	01-Nov-06	30-Nov-06	SP114	1106	0	U	2	ug/l		
1,2-Dichloropropane	78-87-5	EPA 624	J45287-1	01-Nov-06	30-Nov-06	SP114	1106	0	U	1	ug/l		
1,1,2-Trichloroethane	79-00-5	EPA 624	J45287-1	01-Nov-06	30-Nov-06	SP114	1106	0	U	1	ug/l		
Trichloroethene	79-01-6	EPA 624	J45287-1	01-Nov-06	30-Nov-06	SP114	1106	0	U	1	ug/l		
1,1,2,2-Tetrachloroethane	79-34-5	EPA 624	J45287-1	01-Nov-06	30-Nov-06	SP114	1106	0	U	1	ug/l		
1,2-Dichlorobenzene	95-50-1	EPA 624	J45287-1	01-Nov-06	30-Nov-06	SP114	1106	0	U	1	ug/l		
Lead, Total	7439-92-1	EPA 200.7	J45287-1	01-Nov-06	30-Nov-06	SP114	1106	0	U	3	ug/l		
Aluminum, Total	7429-90-5	EPA 200.7	J45287-1	01-Nov-06	30-Nov-06	SP114	1106	0	U	100	ug/l		
Iron, Total	7439-89-6	EPA 200.7	J45287-1	01-Nov-06	30-Nov-06	SP114	1106	48400		100	ug/l		
Nickel, Total	7440-02-0	EPA 200.7	J45287-1	01-Nov-06	30-Nov-06	SP114	1106	0	U	40	ug/l		
Arsenic, Total	7440-38-2	EPA 200.7	J45287-1	01-Nov-06	30-Nov-06	SP114	1106	119		8	ug/l		
Chromium, Total	7440-47-3	EPA 200.7	J45287-1	01-Nov-06	30-Nov-06	SP114	1106	0	U	10	ug/l		
Copper, Total	7440-50-8	EPA 200.7	J45287-1	01-Nov-06	30-Nov-06	SP114	1106	0	U	25	ug/l		
Zinc, Total	7440-66-6	EPA 200.7	J45287-1	01-Nov-06	30-Nov-06	SP114	1106	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	J45287-2	01-Nov-06	30-Nov-06	SP217	1106	0	U	1	ug/l		
cis-1,3-Dichloropropene	10061-01-5	EPA 624	J45287-2	01-Nov-06	30-Nov-06	SP217	1106	0	U	1	ug/l		
trans-1,3-Dichloropropene	10061-02-6	EPA 624	J45287-2	01-Nov-06	30-Nov-06	SP217	1106	0	U	1	ug/l		
1,4-Dichlorobenzene	106-46-7	EPA 624	J45287-2	01-Nov-06	30-Nov-06	SP217	1106	0	U	1	ug/l		
1,2-Dichloroethane	107-06-2	EPA 624	J45287-2	01-Nov-06	30-Nov-06	SP217	1106	0	U	1	ug/l		
Toluene	108-88-3	EPA 624	J45287-2	01-Nov-06	30-Nov-06	SP217	1106	0	U	1	ug/l		
Chlorobenzene	108-90-7	EPA 624	J45287-2	01-Nov-06	30-Nov-06	SP217	1106	0	U	1	ug/l		
Dibromochloromethane	124-48-1	EPA 624	J45287-2	01-Nov-06	30-Nov-06	SP217	1106	0	U	1	ug/l		
Tetrachloroethene	127-18-4	EPA 624	J45287-2	01-Nov-06	30-Nov-06	SP217	1106	0	U	1	ug/l		
Xylenes (total)	1330-20-7	EPA 624	J45287-2	01-Nov-06	30-Nov-06	SP217	1106	0	U	1	ug/l		
cis-1,2-Dichloroethene	156-59-2	EPA 624	J45287-2	01-Nov-06	30-Nov-06	SP217	1106	1.2		1	ug/l		
trans-1,2-Dichloroethene	156-60-5	EPA 624	J45287-2	01-Nov-06	30-Nov-06	SP217	1106	0	U	1	ug/l		
1,3-Dichlorobenzene	541-73-1	EPA 624	J45287-2	01-Nov-06	30-Nov-06	SP217	1106	0	U	1	ug/l		
Carbon tetrachloride	56-23-5	EPA 624	J45287-2	01-Nov-06	30-Nov-06	SP217	1106	0	U	1	ug/l		
Chloroform	67-66-3	EPA 624	J45287-2	01-Nov-06	30-Nov-06	SP217	1106	3.9		1	ug/l		
Benzene	71-43-2	EPA 624	J45287-2	01-Nov-06	30-Nov-06	SP217	1106	0	U	1	ug/l		
1,1,1-Trichloroethane	71-55-6	EPA 624	J45287-2	01-Nov-06	30-Nov-06	SP217	1106	0.27	J	1	ug/l		
Methyl bromide	74-83-9	EPA 624	J45287-2	01-Nov-06	30-Nov-06	SP217	1106	0	U	1	ug/l		
Chloromethane	74-87-3	EPA 624	J45287-2	01-Nov-06	30-Nov-06	SP217	1106	0	U	1	ug/l		
Chloroethane	75-00-3	EPA 624	J45287-2	01-Nov-06	30-Nov-06	SP217	1106	0	U	1	ug/l		
Vinyl chloride	75-01-4	EPA 624	J45287-2	01-Nov-06	30-Nov-06	SP217	1106	0	U	2	ug/l		
Methylene chloride	75-09-2	EPA 624	J45287-2	01-Nov-06	30-Nov-06	SP217	1106	0	U	1	ug/l		
Bromoform	75-25-2	EPA 624	J45287-2	01-Nov-06	30-Nov-06	SP217	1106	0	U	1	ug/l		
Bromodichloromethane	75-27-4	EPA 624	J45287-2	01-Nov-06	30-Nov-06	SP217	1106	0.93	J	1	ug/l		
1,1-Dichloroethane	75-34-3	EPA 624	J45287-2	01-Nov-06	30-Nov-06	SP217	1106	2.5		1	ug/l		
1,1-Dichloroethene	75-35-4	EPA 624	J45287-2	01-Nov-06	30-Nov-06	SP217	1106	0	U	1	ug/l		
Trichlorofluoromethane	75-69-4	EPA 624	J45287-2	01-Nov-06	30-Nov-06	SP217	1106	0	U	2	ug/l		
Dichlorodifluoromethane	75-71-8	EPA 624	J45287-2	01-Nov-06	30-Nov-06	SP217	1106	0	U	2	ug/l		
1,2-Dichloropropane	78-87-5	EPA 624	J45287-2	01-Nov-06	30-Nov-06	SP217	1106	0	U	1	ug/l		
1,1,2-Trichloroethane	79-00-5	EPA 624	J45287-2	01-Nov-06	30-Nov-06	SP217	1106	0	U	1	ug/l		
Trichloroethene	79-01-6	EPA 624	J45287-2	01-Nov-06	30-Nov-06	SP217	1106	0	U	1	ug/l		
1,1,2,2-Tetrachloroethane	79-34-5	EPA 624	J45287-2	01-Nov-06	30-Nov-06	SP217	1106	0	U	1	ug/l		
1,2-Dichlorobenzene	95-50-1	EPA 624	J45287-2	01-Nov-06	30-Nov-06	SP217	1106	0	U	1	ug/l		

Analyte	casno	Method	Labsampid	Date Sampled	Validation Date	Sample	Location	Result	Code	RL	Units	Valid Result	Valid Code
Lead, Total	7439-92-1	EPA 200.7	J45287-3	01-Nov-06	30-Nov-06	SP219	1106	0	U	3	ug/l		
Oil And Grease		EPA 1664A	J45287-3	01-Nov-06	30-Nov-06	SP219	1106	0	U	5	mg/l		
Ethylbenzene	100-41-4	EPA 624	J45287-3	01-Nov-06	30-Nov-06	SP219	1106	0	U	1	ug/l		
cis-1,3-Dichloropropene	10061-01-5	EPA 624	J45287-3	01-Nov-06	30-Nov-06	SP219	1106	0	U	1	ug/l		
trans-1,3-Dichloropropene	10061-02-6	EPA 624	J45287-3	01-Nov-06	30-Nov-06	SP219	1106	0	U	1	ug/l		
1,4-Dichlorobenzene	106-46-7	EPA 624	J45287-3	01-Nov-06	30-Nov-06	SP219	1106	0	U	1	ug/l		
1,2-Dichloroethane	107-06-2	EPA 624	J45287-3	01-Nov-06	30-Nov-06	SP219	1106	0	U	1	ug/l		
Toluene	108-88-3	EPA 624	J45287-3	01-Nov-06	30-Nov-06	SP219	1106	0	U	1	ug/l		
Chlorobenzene	108-90-7	EPA 624	J45287-3	01-Nov-06	30-Nov-06	SP219	1106	0	U	1	ug/l		
Dibromochloromethane	124-48-1	EPA 624	J45287-3	01-Nov-06	30-Nov-06	SP219	1106	0	U	1	ug/l		
Tetrachloroethene	127-18-4	EPA 624	J45287-3	01-Nov-06	30-Nov-06	SP219	1106	0	U	1	ug/l		
Xylenes (total)	1330-20-7	EPA 624	J45287-3	01-Nov-06	30-Nov-06	SP219	1106	0	U	1	ug/l		
cis-1,2-Dichloroethene	156-59-2	EPA 624	J45287-3	01-Nov-06	30-Nov-06	SP219	1106	0	U	1	ug/l		
trans-1,2-Dichloroethene	156-60-5	EPA 624	J45287-3	01-Nov-06	30-Nov-06	SP219	1106	0	U	1	ug/l		
1,3-Dichlorobenzene	541-73-1	EPA 624	J45287-3	01-Nov-06	30-Nov-06	SP219	1106	0	U	1	ug/l		
Carbon tetrachloride	56-23-5	EPA 624	J45287-3	01-Nov-06	30-Nov-06	SP219	1106	0	U	1	ug/l		
Chloroform	67-66-3	EPA 624	J45287-3	01-Nov-06	30-Nov-06	SP219	1106	1.1		1	ug/l		
Benzene	71-43-2	EPA 624	J45287-3	01-Nov-06	30-Nov-06	SP219	1106	0	U	1	ug/l		
1,1,1-Trichloroethane	71-55-6	EPA 624	J45287-3	01-Nov-06	30-Nov-06	SP219	1106	0.25	J	1	ug/l		
Methyl bromide	74-83-9	EPA 624	J45287-3	01-Nov-06	30-Nov-06	SP219	1106	0	U	1	ug/l		
Chloromethane	74-87-3	EPA 624	J45287-3	01-Nov-06	30-Nov-06	SP219	1106	0	U	1	ug/l		
Chloroethane	75-00-3	EPA 624	J45287-3	01-Nov-06	30-Nov-06	SP219	1106	0	U	1	ug/l		
Vinyl chloride	75-01-4	EPA 624	J45287-3	01-Nov-06	30-Nov-06	SP219	1106	0.56	J	2	ug/l		
Methylene chloride	75-09-2	EPA 624	J45287-3	01-Nov-06	30-Nov-06	SP219	1106	0	U	1	ug/l		
Bromoform	75-25-2	EPA 624	J45287-3	01-Nov-06	30-Nov-06	SP219	1106	0	U	1	ug/l		
Bromodichloromethane	75-27-4	EPA 624	J45287-3	01-Nov-06	30-Nov-06	SP219	1106	0	U	1	ug/l		
1,1-Dichloroethane	75-34-3	EPA 624	J45287-3	01-Nov-06	30-Nov-06	SP219	1106	2.9		1	ug/l		
1,1-Dichloroethene	75-35-4	EPA 624	J45287-3	01-Nov-06	30-Nov-06	SP219	1106	0	U	1	ug/l		
Trichlorofluoromethane	75-69-4	EPA 624	J45287-3	01-Nov-06	30-Nov-06	SP219	1106	0	U	2	ug/l		
Dichlorodifluoromethane	75-71-8	EPA 624	J45287-3	01-Nov-06	30-Nov-06	SP219	1106	0	U	2	ug/l		
1,2-Dichloropropane	78-87-5	EPA 624	J45287-3	01-Nov-06	30-Nov-06	SP219	1106	0	U	1	ug/l		
1,1,2-Trichloroethane	79-00-5	EPA 624	J45287-3	01-Nov-06	30-Nov-06	SP219	1106	0	U	1	ug/l		
Trichloroethene	79-01-6	EPA 624	J45287-3	01-Nov-06	30-Nov-06	SP219	1106	0	U	1	ug/l		
1,1,2,2-Tetrachloroethane	79-34-5	EPA 624	J45287-3	01-Nov-06	30-Nov-06	SP219	1106	0	U	1	ug/l		
1,2-Dichlorobenzene	95-50-1	EPA 624	J45287-3	01-Nov-06	30-Nov-06	SP219	1106	0	U	1	ug/l		
Cyanide	57-12-5	335.3/LACH	J45287-3	01-Nov-06	30-Nov-06	SP219	1106	0	U	0.01	mg/l		
Aluminum, Total	7429-90-5	EPA 200.7	J45287-3	01-Nov-06	30-Nov-06	SP219	1106	0	U	100	ug/l		
Iron, Total	7439-89-6	EPA 200.7	J45287-3	01-Nov-06	30-Nov-06	SP219	1106	0	U	100	ug/l		
Nickel, Total	7440-02-0	EPA 200.7	J45287-3	01-Nov-06	30-Nov-06	SP219	1106	0	U	40	ug/l		
Arsenic, Total	7440-38-2	EPA 200.7	J45287-3	01-Nov-06	30-Nov-06	SP219	1106	0	U	8	ug/l		
Chromium, Total	7440-47-3	EPA 200.7	J45287-3	01-Nov-06	30-Nov-06	SP219	1106	0	U	10	ug/l		
Copper, Total	7440-50-8	EPA 200.7	J45287-3	01-Nov-06	30-Nov-06	SP219	1106	0	U	25	ug/l		

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	J45287-3	01-Nov-06	30-Nov-06	SP219	1106	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	J45287-4	01-Nov-06	30-Nov-06	UNK	TRIP BLANK	0	U	1	ug/l		
cis-1,3-Dichloropropene	10061-01-5	EPA 624	J45287-4	01-Nov-06	30-Nov-06	UNK	TRIP BLANK	0	U	1	ug/l		
trans-1,3-Dichloropropene	10061-02-6	EPA 624	J45287-4	01-Nov-06	30-Nov-06	UNK	TRIP BLANK	0	U	1	ug/l		
1,4-Dichlorobenzene	106-46-7	EPA 624	J45287-4	01-Nov-06	30-Nov-06	UNK	TRIP BLANK	0	U	1	ug/l		
1,2-Dichloroethane	107-06-2	EPA 624	J45287-4	01-Nov-06	30-Nov-06	UNK	TRIP BLANK	0	U	1	ug/l		
Toluene	108-88-3	EPA 624	J45287-4	01-Nov-06	30-Nov-06	UNK	TRIP BLANK	0	U	1	ug/l		
Chlorobenzene	108-90-7	EPA 624	J45287-4	01-Nov-06	30-Nov-06	UNK	TRIP BLANK	0	U	1	ug/l		
Dibromochloromethane	124-48-1	EPA 624	J45287-4	01-Nov-06	30-Nov-06	UNK	TRIP BLANK	0	U	1	ug/l		
Tetrachloroethene	127-18-4	EPA 624	J45287-4	01-Nov-06	30-Nov-06	UNK	TRIP BLANK	0	U	1	ug/l		
Xylenes (total)	1330-20-7	EPA 624	J45287-4	01-Nov-06	30-Nov-06	UNK	TRIP BLANK	0	U	1	ug/l		
cis-1,2-Dichloroethene	156-59-2	EPA 624	J45287-4	01-Nov-06	30-Nov-06	UNK	TRIP BLANK	0	U	1	ug/l		
trans-1,2-Dichloroethene	156-60-5	EPA 624	J45287-4	01-Nov-06	30-Nov-06	UNK	TRIP BLANK	0	U	1	ug/l		
1,3-Dichlorobenzene	541-73-1	EPA 624	J45287-4	01-Nov-06	30-Nov-06	UNK	TRIP BLANK	0	U	1	ug/l		
Carbon tetrachloride	56-23-5	EPA 624	J45287-4	01-Nov-06	30-Nov-06	UNK	TRIP BLANK	0	U	1	ug/l		
Chloroform	67-66-3	EPA 624	J45287-4	01-Nov-06	30-Nov-06	UNK	TRIP BLANK	0	U	1	ug/l		
Benzene	71-43-2	EPA 624	J45287-4	01-Nov-06	30-Nov-06	UNK	TRIP BLANK	0	U	1	ug/l		
1,1,1-Trichloroethane	71-55-6	EPA 624	J45287-4	01-Nov-06	30-Nov-06	UNK	TRIP BLANK	0	U	1	ug/l		
Methyl bromide	74-83-9	EPA 624	J45287-4	01-Nov-06	30-Nov-06	UNK	TRIP BLANK	0	U	1	ug/l		
Chloromethane	74-87-3	EPA 624	J45287-4	01-Nov-06	30-Nov-06	UNK	TRIP BLANK	0	U	1	ug/l		
Chloroethane	75-00-3	EPA 624	J45287-4	01-Nov-06	30-Nov-06	UNK	TRIP BLANK	0	U	1	ug/l		
Vinyl chloride	75-01-4	EPA 624	J45287-4	01-Nov-06	30-Nov-06	UNK	TRIP BLANK	0	U	2	ug/l		
Methylene chloride	75-09-2	EPA 624	J45287-4	01-Nov-06	30-Nov-06	UNK	TRIP BLANK	0	U	1	ug/l		
Bromoform	75-25-2	EPA 624	J45287-4	01-Nov-06	30-Nov-06	UNK	TRIP BLANK	0	U	1	ug/l		
Bromodichloromethane	75-27-4	EPA 624	J45287-4	01-Nov-06	30-Nov-06	UNK	TRIP BLANK	0	U	1	ug/l		
1,1-Dichloroethane	75-34-3	EPA 624	J45287-4	01-Nov-06	30-Nov-06	UNK	TRIP BLANK	0	U	1	ug/l		
1,1-Dichloroethene	75-35-4	EPA 624	J45287-4	01-Nov-06	30-Nov-06	UNK	TRIP BLANK	0	U	1	ug/l		
Trichlorofluoromethane	75-69-4	EPA 624	J45287-4	01-Nov-06	30-Nov-06	UNK	TRIP BLANK	0	U	2	ug/l		
Dichlorodifluoromethane	75-71-8	EPA 624	J45287-4	01-Nov-06	30-Nov-06	UNK	TRIP BLANK	0	U	2	ug/l		
1,2-Dichloropropane	78-87-5	EPA 624	J45287-4	01-Nov-06	30-Nov-06	UNK	TRIP BLANK	0	U	1	ug/l		
1,1,2-Trichloroethane	79-00-5	EPA 624	J45287-4	01-Nov-06	30-Nov-06	UNK	TRIP BLANK	0	U	1	ug/l		
Trichloroethene	79-01-6	EPA 624	J45287-4	01-Nov-06	30-Nov-06	UNK	TRIP BLANK	0	U	1	ug/l		
1,1,2,2-Tetrachloroethane	79-34-5	EPA 624	J45287-4	01-Nov-06	30-Nov-06	UNK	TRIP BLANK	0	U	1	ug/l		
1,2-Dichlorobenzene	95-50-1	EPA 624	J45287-4	01-Nov-06	30-Nov-06	UNK	TRIP BLANK	0	U	1	ug/l		
Aluminum, Dissolved	7429-90-5	EPA 200.7	J45287-1F	01-Nov-06	30-Nov-06	SP114	1106	0	U	100	ug/l		
Aluminum, Dissolved	7429-90-5	EPA 200.7	J45287-3F	01-Nov-06	30-Nov-06	SP219	1106	0	U	100	ug/l		

DATA USABILITY SUMMARY REPORT FOR DECEMBER 2006 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 December 6, 2006. These samples were received by Accutest Laboratories (Accutest) within one day of collection on December 7, 2006. 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 # J48524) was received by On-Site within 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, 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 cyanide result

for sample SP219-1206 was considered unusable and qualified "R" 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 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 with the exception of MS recoveries.

All MS recoveries were compliant and within QC acceptance ranges with the exception of the extremely low recovery for cyanide (27.6%R; QC limit 75-125%R). As a result, the nondetected cyanide result for sample SP219-1206 was considered unusable and qualified "R".

Therefore, the inorganic data and the oil and grease data presented by Accutest were 95.2% complete (i.e., usable).

It was noted that during the review of the metals sample data, the laboratory inadvertently mislabeled the bottles prior to analysis for samples SP114-1206 and SP219-1206. As a result, total metals were not detected for sample SP114-1206 while sample SP219-1206 detected total arsenic and total iron at concentrations of 44.2 and 34,700 µg/L, respectively. These samples were reanalyzed with total arsenic and total iron confirmed present in sample SP114-1206 at concentrations of 113 and 48,300 µg/L, respectively, and total metals were confirmed absent in sample SP219-1206 which is consistent with historical data. Based upon historical data for these samples and the reanalysis of these samples confirming the presence of total arsenic and total iron for sample SP114-1206 and the absence of total metals for sample SP219-1206, the original sample results were reported in the validated data table with total arsenic and total iron reported for sample SP114-1206 at concentrations of 44.2 and 34,700 µg/L, respectively, and nondetected results reported for sample SP219-1206.

Analyte	casno	Method	Labsampid	Date Sampled	Validation Date	Sample	Location	Result	Code	RL	Units	Valid Result	Valid Code
Ethylbenzene	100-41-4	EPA 624	J48524-1	06-Dec-06	09-Jan-07	SP114	1206	4.9		1	ug/l		
cis-1,3-Dichloropropene	10061-01-5	EPA 624	J48524-1	06-Dec-06	09-Jan-07	SP114	1206	0	U	1	ug/l		
trans-1,3-Dichloropropene	10061-02-6	EPA 624	J48524-1	06-Dec-06	09-Jan-07	SP114	1206	0	U	1	ug/l		
1,4-Dichlorobenzene	106-46-7	EPA 624	J48524-1	06-Dec-06	09-Jan-07	SP114	1206	0	U	1	ug/l		
1,2-Dichloroethane	107-06-2	EPA 624	J48524-1	06-Dec-06	09-Jan-07	SP114	1206	0	U	1	ug/l		
Toluene	108-88-3	EPA 624	J48524-1	06-Dec-06	09-Jan-07	SP114	1206	6.2		1	ug/l		
Chlorobenzene	108-90-7	EPA 624	J48524-1	06-Dec-06	09-Jan-07	SP114	1206	0.59	J	1	ug/l		
Dibromochloromethane	124-48-1	EPA 624	J48524-1	06-Dec-06	09-Jan-07	SP114	1206	0	U	1	ug/l		
Tetrachloroethene	127-18-4	EPA 624	J48524-1	06-Dec-06	09-Jan-07	SP114	1206	0	U	1	ug/l		
Xylenes (total)	1330-20-7	EPA 624	J48524-1	06-Dec-06	09-Jan-07	SP114	1206	6.7		1	ug/l		
cis-1,2-Dichloroethene	156-59-2	EPA 624	J48524-1	06-Dec-06	09-Jan-07	SP114	1206	21		1	ug/l		
trans-1,2-Dichloroethene	156-60-5	EPA 624	J48524-1	06-Dec-06	09-Jan-07	SP114	1206	0.94	J	1	ug/l		
1,3-Dichlorobenzene	541-73-1	EPA 624	J48524-1	06-Dec-06	09-Jan-07	SP114	1206	0	U	1	ug/l		
Carbon tetrachloride	56-23-5	EPA 624	J48524-1	06-Dec-06	09-Jan-07	SP114	1206	0	U	1	ug/l		
Chloroform	67-66-3	EPA 624	J48524-1	06-Dec-06	09-Jan-07	SP114	1206	0	U	1	ug/l		
Benzene	71-43-2	EPA 624	J48524-1	06-Dec-06	09-Jan-07	SP114	1206	75.8		1	ug/l		
1,1,1-Trichloroethane	71-55-6	EPA 624	J48524-1	06-Dec-06	09-Jan-07	SP114	1206	5		1	ug/l		
Methyl bromide	74-83-9	EPA 624	J48524-1	06-Dec-06	09-Jan-07	SP114	1206	0	U	1	ug/l		
Chloromethane	74-87-3	EPA 624	J48524-1	06-Dec-06	09-Jan-07	SP114	1206	0	U	1	ug/l		
Chloroethane	75-00-3	EPA 624	J48524-1	06-Dec-06	09-Jan-07	SP114	1206	1.7		1	ug/l		
Vinyl chloride	75-01-4	EPA 624	J48524-1	06-Dec-06	09-Jan-07	SP114	1206	85.5		2	ug/l		
Methylene chloride	75-09-2	EPA 624	J48524-1	06-Dec-06	09-Jan-07	SP114	1206	0	U	1	ug/l		
Bromoform	75-25-2	EPA 624	J48524-1	06-Dec-06	09-Jan-07	SP114	1206	0	U	1	ug/l		
Bromodichloromethane	75-27-4	EPA 624	J48524-1	06-Dec-06	09-Jan-07	SP114	1206	0	U	1	ug/l		
1,1-Dichloroethane	75-34-3	EPA 624	J48524-1	06-Dec-06	09-Jan-07	SP114	1206	23.7		1	ug/l		
1,1-Dichloroethene	75-35-4	EPA 624	J48524-1	06-Dec-06	09-Jan-07	SP114	1206	0	U	1	ug/l		
Trichlorofluoromethane	75-69-4	EPA 624	J48524-1	06-Dec-06	09-Jan-07	SP114	1206	0	U	2	ug/l		
Dichlorodifluoromethane	75-71-8	EPA 624	J48524-1	06-Dec-06	09-Jan-07	SP114	1206	0	U	2	ug/l		
1,2-Dichloropropane	78-87-5	EPA 624	J48524-1	06-Dec-06	09-Jan-07	SP114	1206	0	U	1	ug/l		
1,1,2-Trichloroethane	79-00-5	EPA 624	J48524-1	06-Dec-06	09-Jan-07	SP114	1206	0	U	1	ug/l		
Trichloroethene	79-01-6	EPA 624	J48524-1	06-Dec-06	09-Jan-07	SP114	1206	0	U	1	ug/l		
1,1,2,2-Tetrachloroethane	79-34-5	EPA 624	J48524-1	06-Dec-06	09-Jan-07	SP114	1206	0	U	1	ug/l		
1,2-Dichlorobenzene	95-50-1	EPA 624	J48524-1	06-Dec-06	09-Jan-07	SP114	1206	0	U	1	ug/l		
Aluminum, Total	7429-90-5	EPA 200.7	J48524-1	06-Dec-06	09-Jan-07	SP114	1206	0	U	100	ug/l		
Iron, Total	7439-89-6	EPA 200.7	J48524-1	06-Dec-06	09-Jan-07	SP114	1206	34700		100	ug/l		
Lead, Total	7439-92-1	EPA 200.7	J48524-1	06-Dec-06	09-Jan-07	SP114	1206	0	U	3	ug/l		
Nickel, Total	7440-02-0	EPA 200.7	J48524-1	06-Dec-06	09-Jan-07	SP114	1206	0	U	40	ug/l		
Arsenic, Total	7440-38-2	EPA 200.7	J48524-1	06-Dec-06	09-Jan-07	SP114	1206	44.2		8	ug/l		
Chromium, Total	7440-47-3	EPA 200.7	J48524-1	06-Dec-06	09-Jan-07	SP114	1206	0	U	10	ug/l		
Copper, Total	7440-50-8	EPA 200.7	J48524-1	06-Dec-06	09-Jan-07	SP114	1206	0	U	25	ug/l		
Zinc, Total	7440-66-6	EPA 200.7	J48524-1	06-Dec-06	09-Jan-07	SP114	1206	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	J48524-2	06-Dec-06	09-Jan-07	SP217	1206	0	U	1	ug/l		
cis-1,3-Dichloropropene	10061-01-5	EPA 624	J48524-2	06-Dec-06	09-Jan-07	SP217	1206	0	U	1	ug/l		
trans-1,3-Dichloropropene	10061-02-6	EPA 624	J48524-2	06-Dec-06	09-Jan-07	SP217	1206	0	U	1	ug/l		
1,4-Dichlorobenzene	106-46-7	EPA 624	J48524-2	06-Dec-06	09-Jan-07	SP217	1206	0	U	1	ug/l		
1,2-Dichloroethane	107-06-2	EPA 624	J48524-2	06-Dec-06	09-Jan-07	SP217	1206	0	U	1	ug/l		
Toluene	108-88-3	EPA 624	J48524-2	06-Dec-06	09-Jan-07	SP217	1206	0	U	1	ug/l		
Chlorobenzene	108-90-7	EPA 624	J48524-2	06-Dec-06	09-Jan-07	SP217	1206	0	U	1	ug/l		
Dibromochloromethane	124-48-1	EPA 624	J48524-2	06-Dec-06	09-Jan-07	SP217	1206	0	U	1	ug/l		
Tetrachloroethene	127-18-4	EPA 624	J48524-2	06-Dec-06	09-Jan-07	SP217	1206	0	U	1	ug/l		
Xylenes (total)	1330-20-7	EPA 624	J48524-2	06-Dec-06	09-Jan-07	SP217	1206	0	U	1	ug/l		
cis-1,2-Dichloroethene	156-59-2	EPA 624	J48524-2	06-Dec-06	09-Jan-07	SP217	1206	1.3		1	ug/l		
trans-1,2-Dichloroethene	156-60-5	EPA 624	J48524-2	06-Dec-06	09-Jan-07	SP217	1206	0	U	1	ug/l		
1,3-Dichlorobenzene	541-73-1	EPA 624	J48524-2	06-Dec-06	09-Jan-07	SP217	1206	0	U	1	ug/l		
Carbon tetrachloride	56-23-5	EPA 624	J48524-2	06-Dec-06	09-Jan-07	SP217	1206	0	U	1	ug/l		
Chloroform	67-66-3	EPA 624	J48524-2	06-Dec-06	09-Jan-07	SP217	1206	1.3		1	ug/l		
Benzene	71-43-2	EPA 624	J48524-2	06-Dec-06	09-Jan-07	SP217	1206	0	U	1	ug/l		
1,1,1-Trichloroethane	71-55-6	EPA 624	J48524-2	06-Dec-06	09-Jan-07	SP217	1206	0.31	J	1	ug/l		
Methyl bromide	74-83-9	EPA 624	J48524-2	06-Dec-06	09-Jan-07	SP217	1206	0	U	1	ug/l		
Chloromethane	74-87-3	EPA 624	J48524-2	06-Dec-06	09-Jan-07	SP217	1206	0	U	1	ug/l		
Chloroethane	75-00-3	EPA 624	J48524-2	06-Dec-06	09-Jan-07	SP217	1206	0	U	1	ug/l		
Vinyl chloride	75-01-4	EPA 624	J48524-2	06-Dec-06	09-Jan-07	SP217	1206	0	U	2	ug/l		
Methylene chloride	75-09-2	EPA 624	J48524-2	06-Dec-06	09-Jan-07	SP217	1206	0	U	1	ug/l		
Bromoform	75-25-2	EPA 624	J48524-2	06-Dec-06	09-Jan-07	SP217	1206	0	U	1	ug/l		
Bromodichloromethane	75-27-4	EPA 624	J48524-2	06-Dec-06	09-Jan-07	SP217	1206	0.38	J	1	ug/l		
1,1-Dichloroethane	75-34-3	EPA 624	J48524-2	06-Dec-06	09-Jan-07	SP217	1206	2.9		1	ug/l		
1,1-Dichloroethene	75-35-4	EPA 624	J48524-2	06-Dec-06	09-Jan-07	SP217	1206	0	U	1	ug/l		
Trichlorofluoromethane	75-69-4	EPA 624	J48524-2	06-Dec-06	09-Jan-07	SP217	1206	0	U	2	ug/l		
Dichlorodifluoromethane	75-71-8	EPA 624	J48524-2	06-Dec-06	09-Jan-07	SP217	1206	0	U	2	ug/l		
1,2-Dichloropropane	78-87-5	EPA 624	J48524-2	06-Dec-06	09-Jan-07	SP217	1206	0	U	1	ug/l		
1,1,2-Trichloroethane	79-00-5	EPA 624	J48524-2	06-Dec-06	09-Jan-07	SP217	1206	0	U	1	ug/l		
Trichloroethene	79-01-6	EPA 624	J48524-2	06-Dec-06	09-Jan-07	SP217	1206	0	U	1	ug/l		
1,1,2,2-Tetrachloroethane	79-34-5	EPA 624	J48524-2	06-Dec-06	09-Jan-07	SP217	1206	0	U	1	ug/l		
1,2-Dichlorobenzene	95-50-1	EPA 624	J48524-2	06-Dec-06	09-Jan-07	SP217	1206	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	J48524-3	06-Dec-06	09-Jan-07	SP219	1206	0	U	5.1	mg/l		
Ethylbenzene	100-41-4	EPA 624	J48524-3	06-Dec-06	09-Jan-07	SP219	1206	0	U	1	ug/l		
cis-1,3-Dichloropropene	10061-01-5	EPA 624	J48524-3	06-Dec-06	09-Jan-07	SP219	1206	0	U	1	ug/l		
trans-1,3-Dichloropropene	10061-02-6	EPA 624	J48524-3	06-Dec-06	09-Jan-07	SP219	1206	0	U	1	ug/l		
1,4-Dichlorobenzene	106-46-7	EPA 624	J48524-3	06-Dec-06	09-Jan-07	SP219	1206	0	U	1	ug/l		
1,2-Dichloroethane	107-06-2	EPA 624	J48524-3	06-Dec-06	09-Jan-07	SP219	1206	0	U	1	ug/l		
Toluene	108-88-3	EPA 624	J48524-3	06-Dec-06	09-Jan-07	SP219	1206	0	U	1	ug/l		
Chlorobenzene	108-90-7	EPA 624	J48524-3	06-Dec-06	09-Jan-07	SP219	1206	0	U	1	ug/l		
Dibromochloromethane	124-48-1	EPA 624	J48524-3	06-Dec-06	09-Jan-07	SP219	1206	0	U	1	ug/l		
Tetrachloroethene	127-18-4	EPA 624	J48524-3	06-Dec-06	09-Jan-07	SP219	1206	0	U	1	ug/l		
Xylenes (total)	1330-20-7	EPA 624	J48524-3	06-Dec-06	09-Jan-07	SP219	1206	0	U	1	ug/l		
cis-1,2-Dichloroethene	156-59-2	EPA 624	J48524-3	06-Dec-06	09-Jan-07	SP219	1206	0	U	1	ug/l		
trans-1,2-Dichloroethene	156-60-5	EPA 624	J48524-3	06-Dec-06	09-Jan-07	SP219	1206	0	U	1	ug/l		
1,3-Dichlorobenzene	541-73-1	EPA 624	J48524-3	06-Dec-06	09-Jan-07	SP219	1206	0	U	1	ug/l		
Carbon tetrachloride	56-23-5	EPA 624	J48524-3	06-Dec-06	09-Jan-07	SP219	1206	0	U	1	ug/l		
Chloroform	67-66-3	EPA 624	J48524-3	06-Dec-06	09-Jan-07	SP219	1206	1.3		1	ug/l		
Benzene	71-43-2	EPA 624	J48524-3	06-Dec-06	09-Jan-07	SP219	1206	0	U	1	ug/l		
1,1,1-Trichloroethane	71-55-6	EPA 624	J48524-3	06-Dec-06	09-Jan-07	SP219	1206	0.35	J	1	ug/l		
Methyl bromide	74-83-9	EPA 624	J48524-3	06-Dec-06	09-Jan-07	SP219	1206	0	U	1	ug/l		
Chloromethane	74-87-3	EPA 624	J48524-3	06-Dec-06	09-Jan-07	SP219	1206	0	U	1	ug/l		
Chloroethane	75-00-3	EPA 624	J48524-3	06-Dec-06	09-Jan-07	SP219	1206	0	U	1	ug/l		
Vinyl chloride	75-01-4	EPA 624	J48524-3	06-Dec-06	09-Jan-07	SP219	1206	0.79	J	2	ug/l		
Methylene chloride	75-09-2	EPA 624	J48524-3	06-Dec-06	09-Jan-07	SP219	1206	0	U	1	ug/l		
Bromoform	75-25-2	EPA 624	J48524-3	06-Dec-06	09-Jan-07	SP219	1206	0	U	1	ug/l		
Bromodichloromethane	75-27-4	EPA 624	J48524-3	06-Dec-06	09-Jan-07	SP219	1206	0.22	J	1	ug/l		
1,1-Dichloroethane	75-34-3	EPA 624	J48524-3	06-Dec-06	09-Jan-07	SP219	1206	3.5		1	ug/l		
1,1-Dichloroethene	75-35-4	EPA 624	J48524-3	06-Dec-06	09-Jan-07	SP219	1206	0	U	1	ug/l		
Trichlorofluoromethane	75-69-4	EPA 624	J48524-3	06-Dec-06	09-Jan-07	SP219	1206	0	U	2	ug/l		
Dichlorodifluoromethane	75-71-8	EPA 624	J48524-3	06-Dec-06	09-Jan-07	SP219	1206	0	U	2	ug/l		
1,2-Dichloropropane	78-87-5	EPA 624	J48524-3	06-Dec-06	09-Jan-07	SP219	1206	0	U	1	ug/l		
1,1,2-Trichloroethane	79-00-5	EPA 624	J48524-3	06-Dec-06	09-Jan-07	SP219	1206	0	U	1	ug/l		
Trichloroethene	79-01-6	EPA 624	J48524-3	06-Dec-06	09-Jan-07	SP219	1206	0	U	1	ug/l		
1,1,2,2-Tetrachloroethane	79-34-5	EPA 624	J48524-3	06-Dec-06	09-Jan-07	SP219	1206	0	U	1	ug/l		
1,2-Dichlorobenzene	95-50-1	EPA 624	J48524-3	06-Dec-06	09-Jan-07	SP219	1206	0	U	1	ug/l		
Cyanide	57-12-5	335.3/LACH	J48524-3	06-Dec-06	09-Jan-07	SP219	1206	0	U	0.01	mg/l		R
Aluminum, Total	7429-90-5	EPA 200.7	J48524-3	06-Dec-06	09-Jan-07	SP219	1206	0	U	100	ug/l		
Iron, Total	7439-89-6	EPA 200.7	J48524-3	06-Dec-06	09-Jan-07	SP219	1206	0	U	100	ug/l		
Lead, Total	7439-92-1	EPA 200.7	J48524-3	06-Dec-06	09-Jan-07	SP219	1206	0	U	3	ug/l		
Nickel, Total	7440-02-0	EPA 200.7	J48524-3	06-Dec-06	09-Jan-07	SP219	1206	0	U	40	ug/l		
Arsenic, Total	7440-38-2	EPA 200.7	J48524-3	06-Dec-06	09-Jan-07	SP219	1206	0	U	8	ug/l		
Chromium, Total	7440-47-3	EPA 200.7	J48524-3	06-Dec-06	09-Jan-07	SP219	1206	0	U	10	ug/l		
Copper, Total	7440-50-8	EPA 200.7	J48524-3	06-Dec-06	09-Jan-07	SP219	1206	0	U	25	ug/l		

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	J48524-3	06-Dec-06	09-Jan-07	SP219	1206	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	J48524-4	06-Dec-06	09-Jan-07	UNK	TRIP BLANK	0	U	1	ug/l		
cis-1,3-Dichloropropene	10061-01-5	EPA 624	J48524-4	06-Dec-06	09-Jan-07	UNK	TRIP BLANK	0	U	1	ug/l		
trans-1,3-Dichloropropene	10061-02-6	EPA 624	J48524-4	06-Dec-06	09-Jan-07	UNK	TRIP BLANK	0	U	1	ug/l		
1,4-Dichlorobenzene	106-46-7	EPA 624	J48524-4	06-Dec-06	09-Jan-07	UNK	TRIP BLANK	0	U	1	ug/l		
1,2-Dichloroethane	107-06-2	EPA 624	J48524-4	06-Dec-06	09-Jan-07	UNK	TRIP BLANK	0	U	1	ug/l		
Toluene	108-88-3	EPA 624	J48524-4	06-Dec-06	09-Jan-07	UNK	TRIP BLANK	0	U	1	ug/l		
Chlorobenzene	108-90-7	EPA 624	J48524-4	06-Dec-06	09-Jan-07	UNK	TRIP BLANK	0	U	1	ug/l		
Dibromochloromethane	124-48-1	EPA 624	J48524-4	06-Dec-06	09-Jan-07	UNK	TRIP BLANK	0	U	1	ug/l		
Tetrachloroethene	127-18-4	EPA 624	J48524-4	06-Dec-06	09-Jan-07	UNK	TRIP BLANK	0	U	1	ug/l		
Xylenes (total)	1330-20-7	EPA 624	J48524-4	06-Dec-06	09-Jan-07	UNK	TRIP BLANK	0	U	1	ug/l		
cis-1,2-Dichloroethene	156-59-2	EPA 624	J48524-4	06-Dec-06	09-Jan-07	UNK	TRIP BLANK	0	U	1	ug/l		
trans-1,2-Dichloroethene	156-60-5	EPA 624	J48524-4	06-Dec-06	09-Jan-07	UNK	TRIP BLANK	0	U	1	ug/l		
1,3-Dichlorobenzene	541-73-1	EPA 624	J48524-4	06-Dec-06	09-Jan-07	UNK	TRIP BLANK	0	U	1	ug/l		
Carbon tetrachloride	56-23-5	EPA 624	J48524-4	06-Dec-06	09-Jan-07	UNK	TRIP BLANK	0	U	1	ug/l		
Chloroform	67-66-3	EPA 624	J48524-4	06-Dec-06	09-Jan-07	UNK	TRIP BLANK	0	U	1	ug/l		
Benzene	71-43-2	EPA 624	J48524-4	06-Dec-06	09-Jan-07	UNK	TRIP BLANK	0	U	1	ug/l		
1,1,1-Trichloroethane	71-55-6	EPA 624	J48524-4	06-Dec-06	09-Jan-07	UNK	TRIP BLANK	0	U	1	ug/l		
Methyl bromide	74-83-9	EPA 624	J48524-4	06-Dec-06	09-Jan-07	UNK	TRIP BLANK	0	U	1	ug/l		
Chloromethane	74-87-3	EPA 624	J48524-4	06-Dec-06	09-Jan-07	UNK	TRIP BLANK	0	U	1	ug/l		
Chloroethane	75-00-3	EPA 624	J48524-4	06-Dec-06	09-Jan-07	UNK	TRIP BLANK	0	U	1	ug/l		
Vinyl chloride	75-01-4	EPA 624	J48524-4	06-Dec-06	09-Jan-07	UNK	TRIP BLANK	0	U	2	ug/l		
Methylene chloride	75-09-2	EPA 624	J48524-4	06-Dec-06	09-Jan-07	UNK	TRIP BLANK	0	U	1	ug/l		
Bromoform	75-25-2	EPA 624	J48524-4	06-Dec-06	09-Jan-07	UNK	TRIP BLANK	0	U	1	ug/l		
Bromodichloromethane	75-27-4	EPA 624	J48524-4	06-Dec-06	09-Jan-07	UNK	TRIP BLANK	0	U	1	ug/l		
1,1-Dichloroethane	75-34-3	EPA 624	J48524-4	06-Dec-06	09-Jan-07	UNK	TRIP BLANK	0	U	1	ug/l		
1,1-Dichloroethene	75-35-4	EPA 624	J48524-4	06-Dec-06	09-Jan-07	UNK	TRIP BLANK	0	U	1	ug/l		
Trichlorofluoromethane	75-69-4	EPA 624	J48524-4	06-Dec-06	09-Jan-07	UNK	TRIP BLANK	0	U	2	ug/l		
Dichlorodifluoromethane	75-71-8	EPA 624	J48524-4	06-Dec-06	09-Jan-07	UNK	TRIP BLANK	0	U	2	ug/l		
1,2-Dichloropropane	78-87-5	EPA 624	J48524-4	06-Dec-06	09-Jan-07	UNK	TRIP BLANK	0	U	1	ug/l		
1,1,2-Trichloroethane	79-00-5	EPA 624	J48524-4	06-Dec-06	09-Jan-07	UNK	TRIP BLANK	0	U	1	ug/l		
Trichloroethene	79-01-6	EPA 624	J48524-4	06-Dec-06	09-Jan-07	UNK	TRIP BLANK	0	U	1	ug/l		
1,1,2,2-Tetrachloroethane	79-34-5	EPA 624	J48524-4	06-Dec-06	09-Jan-07	UNK	TRIP BLANK	0	U	1	ug/l		
1,2-Dichlorobenzene	95-50-1	EPA 624	J48524-4	06-Dec-06	09-Jan-07	UNK	TRIP BLANK	0	U	1	ug/l		
Aluminum, Dissolved	7429-90-5	EPA 200.7	J48524-1F	06-Dec-06	09-Jan-07	SP114	1206	0	U	100	ug/l		
Aluminum, Dissolved	7429-90-5	EPA 200.7	J48524-3F	06-Dec-06	09-Jan-07	SP219	1206	0	U	100	ug/l		