Prepared for:
Atlantic Richfield Company
A BP affiliated company
28100 Torch Parkway, MC 2S
Warrenville, IL 60555-3938

2007 ANNUAL PROGRESS MONITORING REPORT PHASE I – OPERABLE UNIT 2

FORMER SINCLAIR REFINERY SITE WELLSVILLE, NEW YORK

Prepared by:
On-Site Technical Services, Inc.
72 Railroad Avenue
Wellsville, NY 14895

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1.0 OVERVIEW

1.1 Site Description and Project Overview

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

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

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

The OU2 remedial actions have consisted of the following:

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

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

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

1.2 Report Organization

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

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

2.0 GROUNDWATER EXTRACTION AND TREATMENT SYSTEM

2.1 Treatment System Overview

System Components

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

Process Overview

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

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

2007 System Operations

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

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

3.0 GROUNDWATER CHEMICAL MONITORING RESULTS

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

3.1 Sampling and Analysis

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

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

Notes:

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

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

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

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

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

3.2 Dissolved BTEX Concentrations

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

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

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

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

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

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

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

3.3 Chlorinated VOC Concentrations

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

3.4 SVOC Concentrations

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

3.5 Arsenic Concentrations

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

3.6 Data Quality Assessment

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

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

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

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

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

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

4.0 GROUNDWATER PHYSICAL AND GEOCHEMICAL RESULTS

4.1 Groundwater Elevations

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

4.2 Groundwater Geochemical Parameters

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

5.0 GENESEE RIVER MONITORING

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

Table 1

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

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

Notes:

B - 1 Cubic Yard Box

D - 55 Gallon Drum

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

	1	1/3/2007			2/7/2007	1		3/8/2007			4/12/2007		1	5/7/2007			6/5/2007			7/2/2007		
Parameter	Influent	Between GAC	Effluent	Influent	Between	Effluent	Influent	Between GAC	Effluent	Discharge Limit												
Aluminum	0.1 U	<u> </u>	0.1 U	0.1 U		0.1 U	0.1 U	<u> </u>	0.1 U	0.1 U	<u> </u>	0.1 U	0.1 U	OAC	0.1 U	0.1 U	UAC	0.1 U	0.1 U	l OAC	0.1 U	
Aluminum, dissolved	0.1 U		0.1 U	0.1 U			0.1 U		0.1 U	0.1 U		0.1 U	0.1 U		0.1 U	0.1 U			0.1 U	1	0.1 U	0.1
Arsenic	0.112		0.008 U	0.108			0.108		0.008 U	0.102		0.008 U	0.11		0.008 U	0.107			0.119	1	0.008 U	0.15
Chromium	0.01 U		0.01 U	0.01 U		0.01 U	0.01 U		0.01 U	0.01 U		0.01 U	0.01 U		0.01 U	0.01 U		0.01 U	0.01 U		0.01 U	0.5
Copper	0.025 U		0.025 U	0.025 U			0.025 U		0.025 U	0.025 U		0.025 U	0.025 U		0.025 U	0.025 U			0.025 U		0.025 U	0.5
Iron	44.7		0.132	48.4			47.9		0.1 U	52.6		0.1 U	49.3		0.1 U	46.2		0.1 U	47	1	0.1 U	4
Lead	0.003 U		0.003 U	0.003 U			0.003 U		0.003 U	0.0037		0.003 U	0.004									
Nickel	0.04 U		0.04 U	0.04 U		0.04 U	0.04 U		0.04 U	0.04 U		0.04 U	0.04 U		0.04 U	0.04 U		0.04 U	0.04 U	1	0.04 U	1
Zinc	0.02 U		0.02 U	0.02 U		0.02 U	0.02 U		0.02 U	0.02 U		0.02 U	0.02 U		0.02 U	0.02 U		0.02 U	0.02 U		0.02 U	0.052
1.1.1-Trichloroethane	0.0047	0.00036	0.00036	0.0054	0.00065	0.00032	0.0065	0.001 U	0.00041	0.0042	0.00029	0.00041	0.0052	0.0013	0.00065	0.0063	0.00091	0.00063	0.0073	0.0012	0.001 U	0.01
1,1,2,2-Tetrachloroethane	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	1
1,1,2-Trichloroethane	0.001 U	0.001 U	0.001 U	0.001 U		0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U		0.001 U	0.001 U	0.001 U	
1.1-Dichloroethane	0.0148	0.003	0.0039	0.024	0.0054	0.0039	0.015	0.0021	0.0038	0.0254	0.0028	0.0047	0.0192	0.0071	0.0051	0.0144	0.0048	0.0046	0.0161	0.0061	0.001 U	0.03
1,1-Dichloroethene	0.001 U	0.001 U	0.001 U	0.001 U		0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	1
1,2-Dichlorobenzene	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	
1,2-Dichloroethane	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	
1,2-Dichloropropane	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	1
1,3-Dichlorobenzene	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	
1,4-Dichlorobenzene	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	
Benzene	0.0722	0.001 U	0.001 U	0.0818	0.0015		0.0765	0.001 U	0.001 U	0.0892	0.001 U	0.001 U	0.083	0.00027	0.001 U	0.0785 J	0.001 U	0.001 U	0.0825	0.001 U	0.001 U	0.01
Bromodichloromethane	0.001 U	0.00034	0.001 U	0.0010	0.00.0	0.00.0	0.001 U	0.00069	0.001 U	0.001 U	0.0004	0.00024	0.001 U	0.00038	0.001 U	0.001 U	0.001 U	0.001 U	0.0020	0.00.0	0.00.0	
Bromoform	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U		0.001 U	0.001 U	0.001 U	1
Bromomethane	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 UJ	0.001 UJ	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	
Carbon tetrachloride	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	
Chlorobenzene	0.00069	0.001 U	0.001 U	0.00058	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.00053	0.001 U	0.001 U	0.00056	0.001 U	0.001 U	0.0006	0.001 U	0.001 U	0.00076	0.001 U	0.001 U	
Chloroethane	0.001 U	0.001 U	0.001 U	0.0013	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.0015	0.001 U	0.001 U	0.0012	0.001 U	0.001 U	0.00082	0.001 U	0.001 U	0.0013	0.001 U	0.001 U	1
Chloroform	0.001 U	0.0012	0.0014	0.001 U	0.0013	0.0014	0.001 U	0.0014	0.0013	0.001 U	0.0014	0.0015	0.001 U	0.0018	0.0016	0.001 U	0.0019	0.0016	0.001 U	0.0021	0.001 U	1
Chloromethane	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	1
cis-1,2-Dichloroethene	0.012	0.0011	0.001 U	0.0257	0.0032	0.001 U	0.0165	0.00092	0.00056	0.0169	0.00084	0.00058	0.0283	0.0033	0.00065	0.0233	0.0024	0.001	0.0216	0.0014	0.001 U	0.03
cis-1,3-Dichloropropene		0.001 U	0.001 U	0.001 U		0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	1
Dibromochloromethane	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	1
Dichlorobromomethane				0.001 U	0.001 U	0.001 U													0.001 U	0.00047	0.001 U	1
Dichlorodifluoromethane	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 UJ	0.002 UJ	0.002 UJ	1
Dichloromethane (Methylene chloride)	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	1
Ethyl benzene	0.0037	0.001 U	0.001 U	0.0065	0.001 U	0.001 U	0.0042	0.001 U	0.001 U	0.0087	0.001 U	0.001 U	0.01	0.001 U	0.001 U	0.008	0.001 U	0.001 U	0.0057	0.001 U	0.001 U	0.01
Tetrachloroethene	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	1
Toluene	0.0061	0.001 U	0.001 U	0.0074	0.001 U	0.001 U	0.0065	0.001 U	0.001 U	0.0072	0.001 U	0.001 U	0.0083	0.001 U	0.001 U	0.008	0.001 U	0.001 U	0.0077	0.001 U	0.001 U	0.01
trans-1,2-Dichloroethene	0.00058	0.001 U	0.001 U	0.00078	0.001 U		0.00066	0.001 U	0.001 U	0.00072	0.001 U	0.001 U	0.00069	0.001 U	0.001 U	0.00068	0.001 U		0.00089	0.001 U	0.001 U	
trans-1,3-Dichloropropene	0.001 U									0.001 U			0.001 U			0.001 U		0.001 U			0.001 U	
Trichloroethene				0.001 U								0.001 U		0.001 U			0.001 U		0.001 U	0.001 U	0.001 U	
Trichlorofluoromethane			0.002 U	0.002 U			0.002 U			0.002 U		0.002 U	0.002 U	0.002 U			0.002 U		0.002 U	0.002 U	0.002 U	
Vinyl chloride				0.083						0.0643			0.0667	0.0012					0.0586	0.002 U		0.05
Xylenes (total)				0.0086			0.0093						0.0109			0.0126			0.0112	0.001 U		0.01
Field pH (std. units)	6.83		7.46	6.85			6.82		7.61	6.76		7.28	6.68	1	7.57	6.73	1		6.72	1	7.78	6.5-8.5
Oil & Grease			5.1 U			5.1 U			5.1 U			5 U	1		5.1 U	· · ·		5.1 U		<u> </u>	5.1 U	15
Cyanide			0.01 U			0.01 U			0.01 U			0.01 U			0.01 U			0.01 U			0.01 U	
- y									0.0		<u> </u>			1	2.0.0		1	0.0		1	15.5. 0	

Please see page 2 for notes. Page 1 of 2

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

	1	8/2/2007			9/4/2007			10/1/2007			11/1/2007			12/5/2007		
Parameter		Between			Between	l		Between	1		Between			Between	1	Discharge
1 didiletei	Influent	GAC	Effluent	Influent	GAC	Effluent	Influent	GAC	Effluent	Influent	GAC	Effluent	Influent	GAC	Effluent	Limit
Aluminum	0.1 U		0.1 U	0.1 U		0.1 U	0.1 U		0.1 U	0.1 U		0.1 U	0.1 U		0.1 U	
Aluminum, dissolved	0.1 U		0.1 U	0.1 U		0.1 U	0.1 U		0.1 U	0.1 U		0.1 U	0.1 U			0.1
Arsenic	0.117			0.134		0.008 U	0.132		0.008 U	0.115		0.008 U	0.135			0.15
Chromium	0.01 U		0.01 U	0.01 U		0.01 U	0.01 U		0.01 U	0.01 U		0.01 U	0.01 U		0.01 U	0.5
Copper	0.025 U		0.025 U	0.025 U			0.025 U		0.025 U	0.025 U		0.025 U	0.025 U		0.025 U	0.5
Iron	46.2		0.1 U	43.4			45.9		0.1 U	43.9		0.1 U	45.6		0.1 U	4
Lead	0.0031		0.003 U	0.003 U			0.003 U			0.003 U		0.003 U	0.003 U		0.003 U	0.004
Nickel	0.04 U		0.04 U	0.04 U		0.04 U	0.04 U		0.04 U	0.04 U		0.04 U	0.04 U		0.04 U	
Zinc	0.0211		0.02 U	0.02 U		0.02 U	0.02 U		0.02 U	0.02 U		0.02 U	0.02 U		0.02 U	0.052
1,1,1-Trichloroethane	0.0069	0.0011	0.001 U	0.0086	0.0013	0.001 U	0.003 J	0.0011 J	0.001 UJ	0.0031	0.00084	0.001 U	0.0013	0.0008	0.001 U	0.01
1,1,2,2-Tetrachloroethane	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U								
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	0.0146	0.0057	0.001 U	0.0201	0.0052	0.001 U	0.0104	0.004	0.001 U	0.019	0.0055	0.0013	0.0112	0.0055	0.0022	0.03
1,1-Dichloroethene	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U								
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	0.0745	0.001 U	0.001 U	0.0867	0.001 U	0.001 U	0.0594	0.001 U	0.001 U	0.0801	0.001 U	0.001 U	0.0547	0.001 U	0.001 U	0.01
Bromodichloromethane	1			0.001 U	0.00067	0.001 U	0.001 U	0.00074	0.001 U	0.001 U	0.00081	0.001 U	0.001 U	0.0008	0.001 U	
Bromoform	0.001 U	0.001 U	0.001 U			0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U		0.001 U	0.001 U	
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 UJ	0.001 UJ	0.001 UJ	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U						
Chlorobenzene	0.001 U		0.001 U				0.001 U	0.001 U	0.001 U	0.00076		0.001 U		0.001 U	0.001 U	
Chloroethane	0.00092	0.001 UJ	0.001 UJ	0.0018	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.00095	0.001 U	0.001 U	0.00062	0.001 U	0.001 U	
Chloroform	0.001 U	0.0025	0.001 U			0.001 U	0.00041	0.002	0.001 U	0.001 U	0.0023	0.001 U	0.001 U	0.0026	0.00074	
Chloromethane	0.001 U	0.001 UJ	0.001 UJ	0.001 UJ	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U						
cis-1,2-Dichloroethene	0.0123		0.001 U			0.001 U	0.0011	0.00078	0.001 U	0.005	0.0012	0.001 U		0.00092	0.001 U	0.03
cis-1,3-Dichloropropene	0.001 U		0.001 U	0.001 U		0.001 U	0.001 U		0.001 U	0.001 U						
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	
Dichlorobromomethane	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						
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	0.0043	0.001 U	0.001 U			0.001 U	0.0022	0.001 U	0.001 U	0.0021		0.001 U				0.01
Tetrachloroethene	0.001 U	0.001 U	0.001 U			0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U		0.001 U	0.001 U	
Toluene	0.0064	0.001 U	0.001 U			0.001 U	0.0037	0.001 U	0.001 U	0.0031	0.001 U	0.001 U	0.0026	0.001 U	0.001 U	0.01
trans-1.2-Dichloroethene							0.001 U	0.001 U							0.001 U	
trans-1,3-Dichloropropene															0.001 U	
Trichloroethene															0.001 U	
Trichlorofluoromethane															0.002 U	
Vinyl chloride							0.0102									0.05
Xylenes (total)							0.005									0.01
Field pH (std. units)	6.79			6.71			6.53	5.551 0		6.56		7.85	6.55	5.551 0		6.5-8.5
Oil & Grease	5.75		5.1 U	0.7 1		5.1 U	0.00		5.1 U	0.00		5.2 U	0.00	1	5 U	15
Cyanide	╫		0.01 U			0.01 U			0.01 U	 		0.01 U			0.01 U	- `
Oyaniac	11		0.01			0.01			0.010			0.01			0.010	

Notes:

Influent - Combines groundwater pumped from recovery wells RW-1, RW-2 and RW-3 (sample port SP-114)

Between GAC - Between the primary and secondary granular activated carbon units (sample port SP-217)

Effluent - Treated water prior to discharge (sample port SP-219)

Discharge limits are allowable daily maximum

U - Concentration not detected at specified detection limit

Results in **BOLD** exceed discharge limits **J/UJ** - Estimated Value

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

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

Notes:

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

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

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

Table 4

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

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

Notes:

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

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

Location	2-Aminophenol	Aniline	Azobenzene	Azoxybenzene	Nitrobenzene	Nitrosobenzene
MCL ¹	NA	NA	NA	NA	NA	
AWQs ²	0.001	0.005	0.005	NA	0.0004	

Northern Area

	MW-10	0.022 U	0.0022 U	0.0054 U	0.0054 U	0.0022 U	0.0054 U
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MW-70 Area

MW-70	0.022 U	6.92	0.0055 U	0.0055 U	10.8	0.0055 U
	0.022 U	0.0022 U	0.0056 U	0.0056 U	0.0022 U	0.0056 U
OW-03	0.021 U	1.67	0.0053 U	0.0053 U	1.69	0.0053 U

Notes:

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

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

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

Location	Arsenic
MCL ¹	0.01
AWQs ²	0.025

Northern Area

MW-10	0.0268
MW-11	0.035
MW-69A	0.0816
MW-78	0.0427

MW-70 Area

-	
MW-70	0.0411
OW-01	0.0539
OW-03	0.008 U

Central Area

MW-09	0.008 U
MW-71	0.008 U
OW-04	0.0302

Southern Area

MW-07	0.0149
MW-55	0.0547
MW-96	0.0306

Notes:

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

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

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

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

Parameter	EB1-0607 6/20/2007	EB2-0607 6/20/2007	EB3-0607 6/22/2007	EB4-0607 6/22/2007		
Inorganic Compound						
Arsenic	0.008 U	0.008 U	0.008 U	0.008 U		
BTEX Compounds						
Benzene	0.001 U	0.001 U	0.001 U	0.001 U		
Ethyl benzene	0.001 U	0.001 U	0.001 U	0.001 U		
Toluene	0.001 U	0.001 U	0.001 U	0.001 U		
Xylenes (total)	0.001 U	0.001 U	0.001 U	0.001 U		
Semi-Volatile Organic Co			T	In 00 11		
2-Aminophenol	0.021 U			0.02 U		
Aniline	0.0021			0.002 U		
Azobenzene	0.0053 U			0.005 U		
Azoxybenzene	0.0053 U			0.005 U		
Nitrobenzene	0.0049			0.002 U		
Nitrosobenzene	0.0053 U			0.005 U		
Chlorinated Volatile Orga		s				
cis-1,2-Dichloroethene	0.001 U					
Vinyl chloride	0.001 U					

Notes:

U - Concentration not detected at specified detection limit

EB1 - Associated with samples MW-69A, MW-10, OW-01

EB2 - Associated with samples MW-11, MW-78, MW-09, MW-71, MW-55

EB3 - Associated with samples MW-07, MW-96

EB4 - Associated with samples MW-70, OW-03, OW-04

Table 8

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

Inorganic Compound

Arsenic	0.0354	0.0411	

BTEX Compounds

Benzene	0.0171	0.0156
Ethyl benzene	0.0241	0.0224
Toluene	0.0549	0.0517
Xylenes (total)	0.103	0.0963

Semi-Volatile Organic Compounds

2-Aminophenol	0.02 U	0.022 U
Aniline	6.17	6.92
Azobenzene	0.005 U	0.0055 U
Azoxybenzene	0.005 U	0.0055 U
Nitrobenzene	9.26	10.8
Nitrosobenzene	0.005 U	0.0055 U

Notes:

U - Concentration not detected at specified detection limit

Table 9

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

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

Notes:

- 1) ND LNAPL not detected with interface probe
- 2) Water levels measured June 18, 2007 prior to commencing well purging and sampling activities
- 3) ¹ feet above mean sea level (NGVD 29, U.S. Survey Feet)

Table 10

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

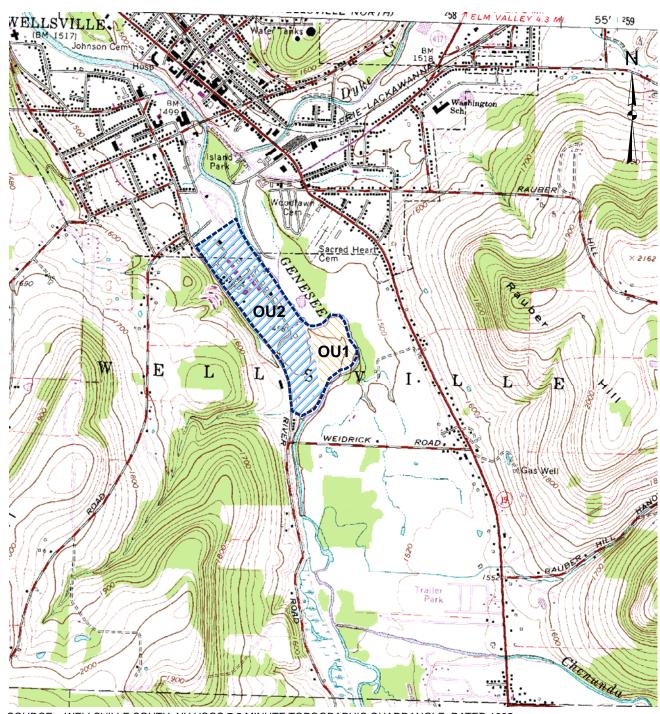
				Paramet	ter		
Well	Well Date		Conductivity (micro siemens)	Turbidity (NTU)	DO (mg/L)	Temperature (°C)	ORP (mV)
MW-7	6/21/2007	6.86	459	7.84	1.51	11.31	-84.3
MW-9	6/20/2007	6.49	2481	39.7	1.19	19.55	-69.1
MW-10	6/20/2007	6.45	875	9.76	3.02	17.51	-125.2
MW-11	6/19/2007	6.34	305	1.59	0.68	14.92	-100.9
MW-55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

Notes:

¹⁾ pH, Conductivity, DO, Temperature and ORP measured with properly calibrated YSI 556 MPS water quality meter

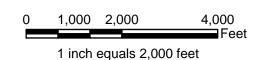
²⁾ Turbidity measured with properly calibrated Hach 2100P turbidity meter

SITE LOCATION



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



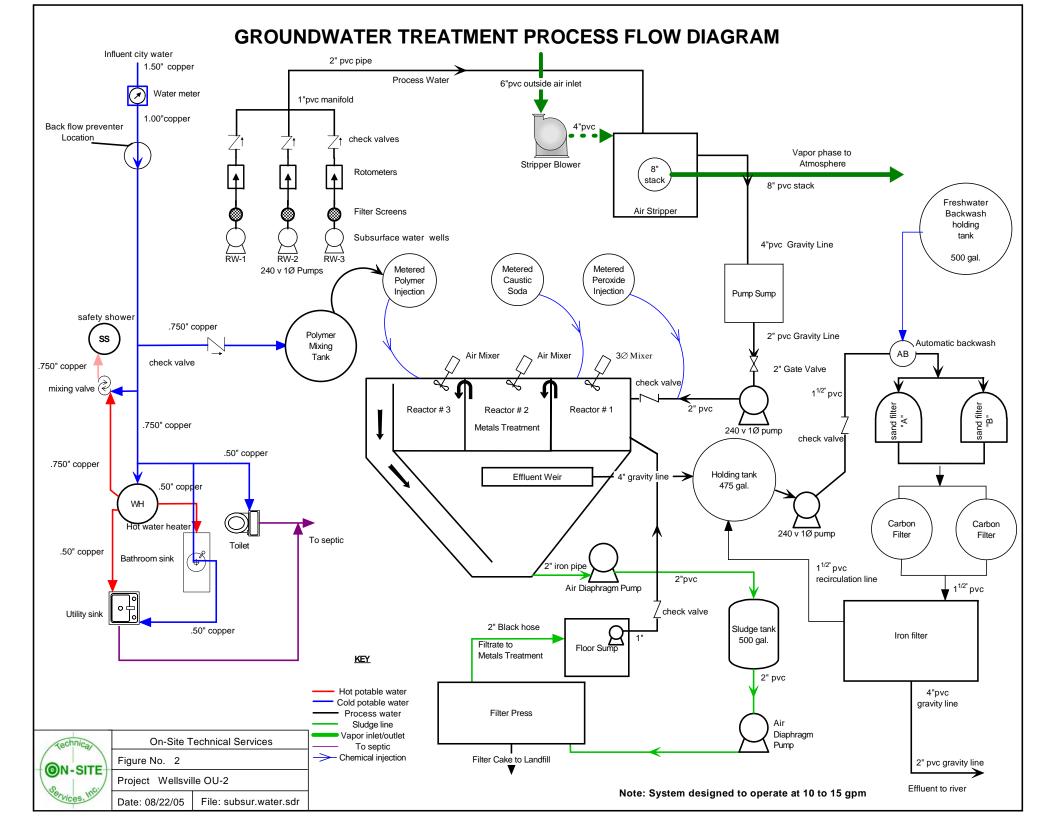


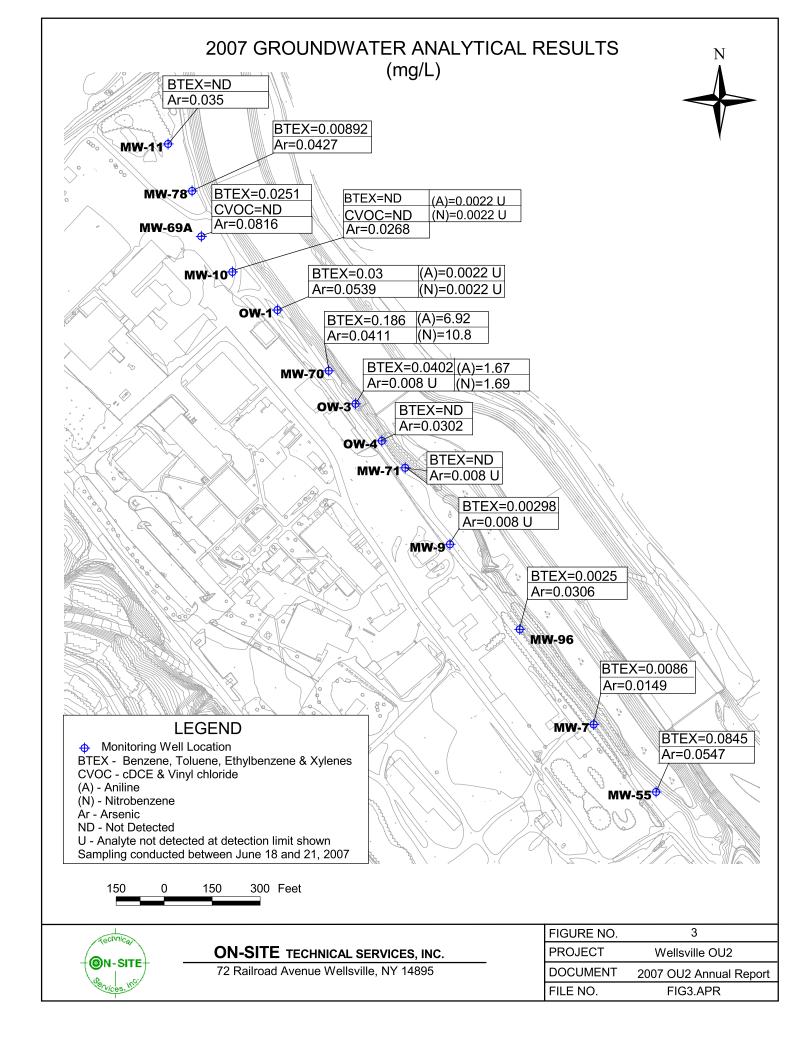


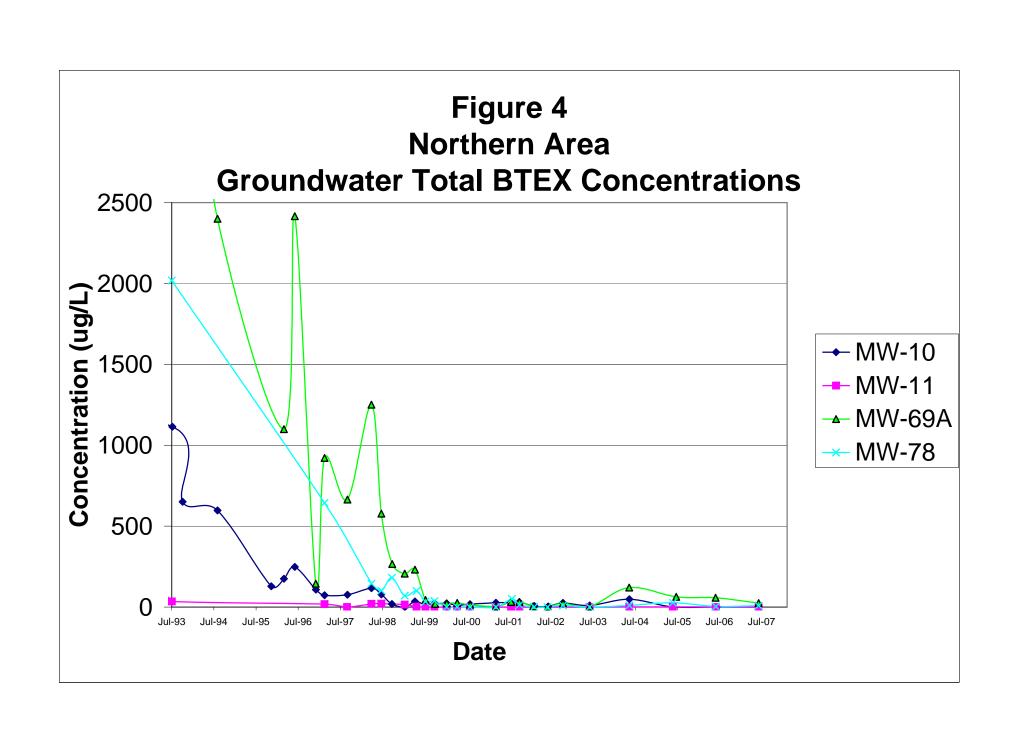
ON-SITE TECHNICAL SERVICES, INC.

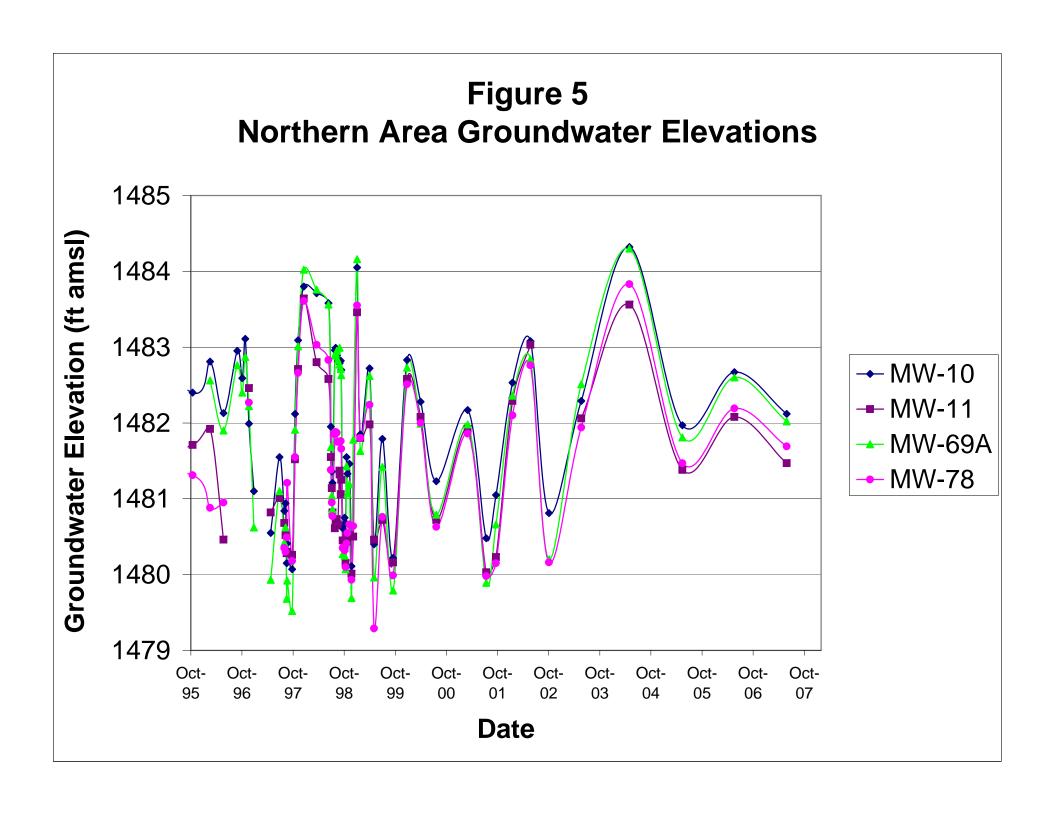
72 Railroad Avenue Wellsville, NY 14895

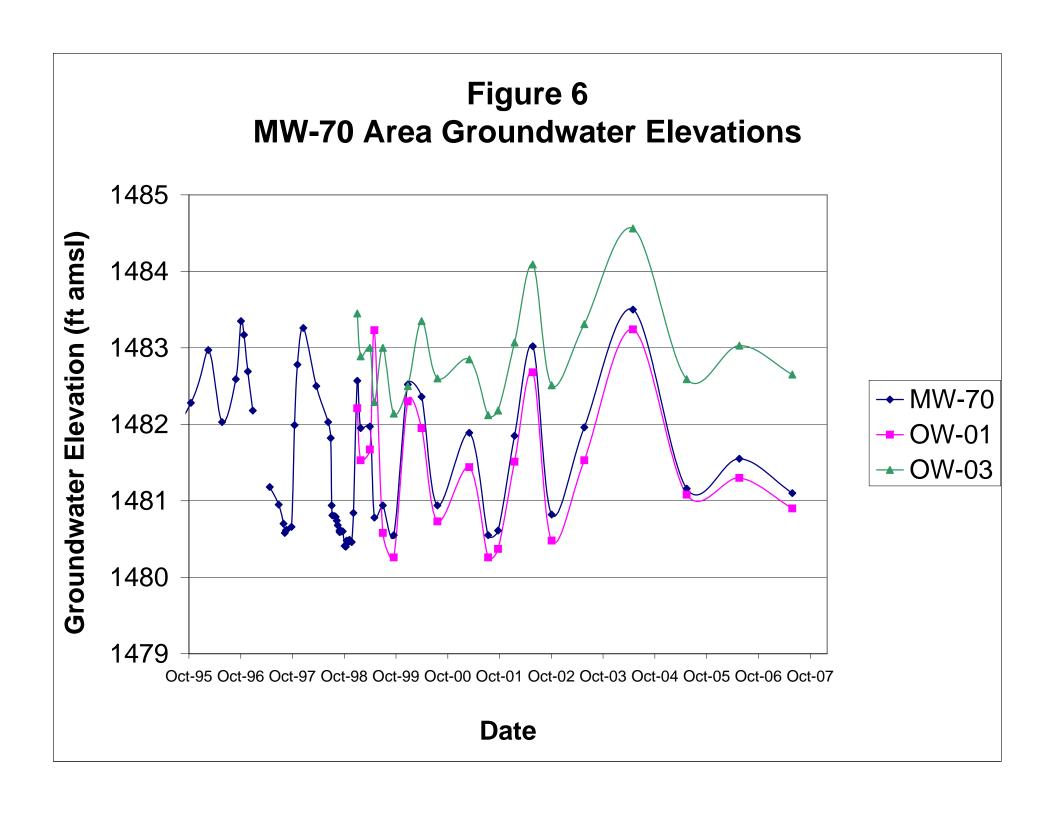
FIGURE NO.	1
PROJECT	WELLSVILLE OU2
DOCUMENT NO.	2007 OU2 REPORT
FILE NO.	FIG1-SITELOC.MXD

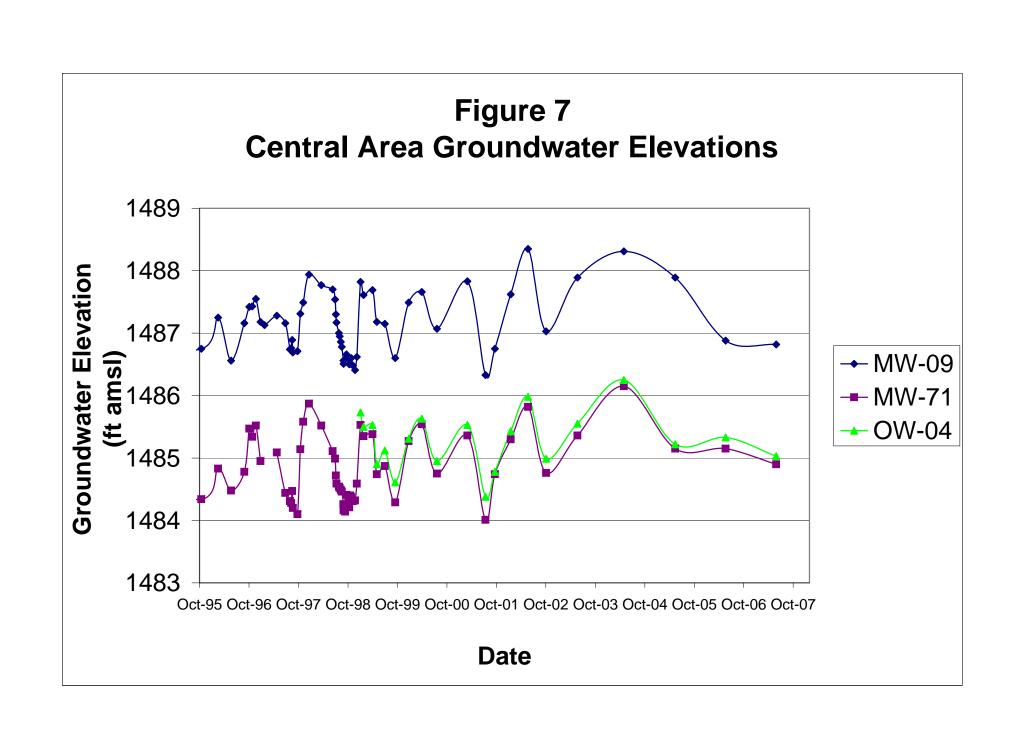


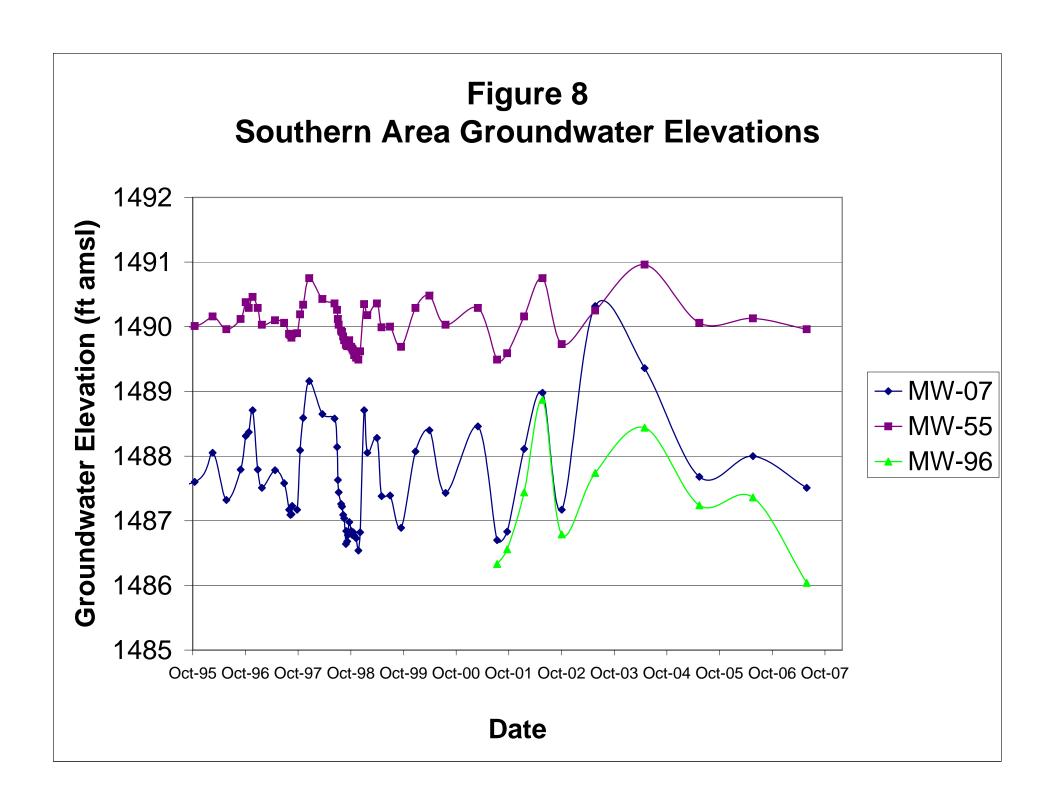












DATA USABILITY SUMMARY REPORT FOR INTERIM GROUNDWATER MONITORING

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

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

SUMMARY

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

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

"U" - not detected at the value given,

"UJ" - estimated and not detected at the value given,

"J" - estimated at the value given, and

"R" - unusable value.

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

VOLATILE ORGANIC ANALYSIS

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

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

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

SEMIVOLATILE ORGANIC ANALYSIS

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

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

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

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

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

METALS ANALYSIS

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

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

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

•

Method : Labsampid | Date Sampled | Validation Date | Sample | ±ocation | Result | Code | RL | Units | Valid Result | Valid Code

06-Aug-07 06-Aug-07 06-Aug-07 06-Aug-07 06-Aug-07 06-Aug-07 06-Aug-07 06-Aug-07 06-Aug-07 06-Aug-07

22-Jun-07 22-Jun-07

J64621-2

SW846 8260B SW846 8260B

100-41-4

Ethylbenzene

Arsenic, Total

7440-38-2 SW846 6010B

casto

Analyte

J64621-2

22-Jun-07

22-Jun-07

22-Jun-07

J64621-3

22-Jun-07

J64621-2 J64621-2

1330-20-7 SW846 8260B

Xylene (total)

oluene

Benzene

108-88-3

SW846 8260B

71-43-2

7440-38-2 SW846 6010B

22-Jun-07 22-Jun-07 22-Jun-07 22-Jun-07

J64621-3 J64621-3 J64621-3 J64621-3 J64621-3

SW846 8260B SW846 8260B

100-41-4

Ethylbenzene

Arsenic, Total

108-88-3

1330-20-7 SW846 B260B

Xylene (total)

Toluene

SW846 8260B SW846 8270C SW846 8270C SW846 8270C

71-43-2 98-95-3

Nitrobenzene

Benzene

Azobenzene

1 ug/1

0607 0607

0607

8 1 19/9 1 ug/l 1 ug/l 2 ug/l

0607

0607

0607

0607

22-Jun-07 22-Jun-07 22-Jun-07 22-Jun-07

0607

8:ug/l

5 ug/l

0607 0607

5 ug/l 5 ug/l

0607

06-Aug-07

06-Aug-07 06-Aug-07 06-Aug-07 06-Aug-07 06-Aug-07 06-Aug-07

22-Jun-07

J64621-3 J64621-3

SW846 8270C SW846 8270C

62-53-3 95-55-6

Aniline

2-Aminophenol

Arsenic, Total

Ethylbenzene

586-96-9 SW846 8270C

Nitrosobenzene

J64621-3

J64621-3

J64621-3

103-33-3

495-48-7

Azoxybenzene

22-Jun-07 21-Jun-07

> J64621-1 J64621-1

7440-38-2 SW846 6010B

SW846 8260B

100-41-4 108-88-3

21-Jun-07 21-Jun-07

164621-1

SW846 8260B

21-Jun-07

J64621-1 J64621-1

SW846 8260B

71-43-2

1330-20-7 SW846 8260B

Xylene (total)

Toluene

Benzene

21-Jun-07

0607 0607 0607 0607

2 ug/l 20 ug/l

8 ug/ 1 ug/ 1 ug/ 1 ug/

OW4

30.2 0 U

Aniline

Aniline

Anaiyte	caspo	Method		Date Sampled	Date Sampled Validation Date	Sample	Location	Result Code	- Tillia Valid Realif Valid Code	Valid Code
Aniline	62-53-3	SW846 8270C	J64455-5	21-Jun-07	06-Aug-07		0607	6920	440 un/	
Nitrobenzene	98-95-3	SW846 8270C	J64455-5	21-Jun-07	06-Aug-07	MW70	2090	10800	440 ug/l	
Ethylbenzene	100-41-4	SW846 8260B	J64455-5	21-Jun-07	06-Aug-07	MW70	0607	22.4	/an.	
Toluene	108-88-3	SW846 8260B	J64455-5	21-Jun-07	06-Aug-07	MW70	0607	51.7	1 ug/l	
Xylene (total)	1330-20-7	SW846 8260B	J64455-5	21-Jun-07	06-Aug-07	MW70	0607	96.3	1 ug/l	
Benzene	71-43-2	SW846 8260B	J64455-5	21-Jun-07	06-Aug-07	MW70	0607	15.6	1 ug/l	
Arsenic, Total	7440-38-2	SW846 6010B	J64455-5	21-Jun-07	06-Aug-07	MW70	0607	41.1	8 ug/l	
Azobenzene	103-33-3	SW846 8270C	J64455-5	21-Jun-07	08-Aug-07	MW70	0607	ΩÖ	5.5 ug/l	
Azoxybenzene	495-48-7	SW846 8270C	J64455-5	21-Jun-07	06-Aug-07	MW70	0607	ΩÖ	5.5 ug/l	
Nitrosobenzene	586-96-9	SW846 8270C	J64455-5	21-Jun-07	06-Aug-07	MW70	0607	Ωio	5.5 ug/l	
2-Aminophenol	95-55-6	SW846 8270C	J64455-5	21-Jun-07	06-Aug-07	MW70	0607	OO	22:ug/l	
Aniline	62-53-3	SW846 8270C	J64455-6	21-Jun-07	06-Aug-07	DUP1	2090	6170	400:ug/l	
Nitrobenzene	98-95-3	SW846 8270C	J64455-6	21-Jun-07	06-Aug-07	DUP1	0607	9260	400 ug/l	
Ethylbenzene	100-41-4	SW846 8260B	J64455-6	21-Jun-07	06-Aug-07	DUP1	0607	24.1	1 ug/l	***************************************
Toluene	108-88-3	SW846 8260B	J64455-6	21-Jun-07	06-Aug-07	DUP1	0807	54.9	1 ug/l	***************************************
Xylene (total)	1330-20-7	SW846 8260B	J64455-6	21-Jun-07	06-Aug-07	DUP1	0607	103	1 ug/l	
Benzene	71-43-2		J64455-6	21-Jun-07	06-Aug-07	DUP1	0607	17.1	1'ug/l	
Arsenic, Total	7440-38-2	•••••	J64455-6	21-Jun-07	06-Aug-07	DUP1	0607	35.4	8 ug/l	
Azobenzene	103-33-3	SW846 8270C	J64455-6	21-Jun-07	06-Aug-07	DUP1	7090	Πo	5 ug/l	
Azoxybenzene	495-48-7	SW846 8270C	J64455-6	21-Jun-07	06-Aug-07	DUP1	7090	٥٥	5 ug/l	
Nitrosobenzene	586-96-9	SW846 8270C	J64455-6	21-Jun-07	06-Aug-07	DUP1	2090	٥٥	5 ug/l	
2-Aminophenol	95-55-6	SW846 8270C	J64455-6	21-Jun-07	06-Aug-07	DUP1	2090	0.0	20 ug/l	
Ethylbenzene	100-41-4	SW846 8260B	J64455-7	21-Jun-07	06-Aug-07	MW7	2090	n o	1'gu 1	
Toluene	108-88-3	SW846 8260B	J64455-7	21-Jun-07	06-Aug-07	MW7	0607	2.1	1 ug/l	
Xylene (total)	1330-20-7	SW846 8260B	J64455-7	21-Jun-07	06-Aug-07	MW7	0607	2.9	1'ng/l	
Benzene	71-43-2	•••••	J64455-7	21-Jun-07	06-Aug-07	MW7	0607	3.6	1 ug/l	
Arsenic, Total	7440-38-2	SW846 6010B	J64455-7	21-Jun-07	06-Aug-07	MW7	2090	14.9	8 ug/l	
Aniline	62-53-3	SW846 8270C	J64455-8	21-Jun-07	06-Aug-07	eM0	7090	1670	42 ug/l	
Nitrobenzene	98-95-3	SW846 8270C	J64455-B	21-Jun-07	06-Aug-07	OW3	0607	1690	42 ug/l	
Ethylbenzene	100-41-4	SW846 8260B	J64455-B	21-Jun-07	06-Aug-07	OW3	0607	5.0	1 ug/l	
Toluene	108-88-3	SW846 8260B	J64455-B	21-Jun-07	06-Aug-07	OW3	0607	9.1	1 ug/l	
Xylene (total)	1330-20-7	SW846 8260B	J64455-B	21~Jun-07	06-Aug-07	OW3	7090	18.3	1ug/l	
Benzene	71-43-2	****	J64455-B	21-Jun-07	06-Aug-07	OW3	0607	6.9	1'ng/l	
Arsenic, Total	7440-38-2		J64455-B	21-Jun-07	06-Aug-07	OW3	7090	n o	/Bn8	
Azobenzene	103-33-3	SW846 8270C	J64455-B	21-Jun-07	06-Aug-07	OW3	0607	O O	5.3 ug/l	
Azoxybenzene	495-48-7	SW846 8270C	J64455-B	21-Jun-07	06-Aug-07	OW3	0607	O O	5.3 ug/l	
Nitrosobenzene	586-96-9	SW846 8270C	J64455-B	21-Jun-07	06-Aug-07	ewo.	0607	nο	5.3 ug/l	
2-Aminophenol	92-22-6	SW846 8270C	J64455-8	21-Jun-07	06-Aug-07	ow3	0607	O O	21:00/	

J64455val.xls 2 of 3

Analyte	casho	Method	Labsampid	pale	Validation Date Sample	Sample	Location	Result Code	Result Code Rt Units Valid Besult Valid Cod	Alld Regult	Valld Code
Ethylbenzene	100-41-4	SW846 8260B	J64455-9	<u>_</u>	06-Aug-07	MW96	S		1:ua/l	and substitution of substitutions of the substitution of the subst	
Toluene	108-88-3	SW846 8260B	J64455-9	21-Jun-07	06-Aug-07	MW96	0607	O O	1.ug/l		
Xylene (total) 1330-20-7 SW846 8260B J64455-9 21-Jun-0	1330-20-7	SW846 8260B	J64455-9	21-Jun-07	06-Aug-07	MW96	7090	0 0	1 ug/l		
Вепzеле	71-43-2	SW846 8260B	J64455-9	21-Jun-07	06-Aug-07	MW96	0607	2.5	1 ua/l		
Arsenic, Total	7440-38-2	SW846 6010B	J64455-9	21-Jun-07	06-Aug-07	MW96	2090	30.6	8.ua/l		
Ethylbenzene	100-41-4	SW846 8260B	J64455-10	21-Jun-07	06-Aug-07	·••••	TRIP BLANK	O O	1 ua/l		
Toluene	108-88-3	SW846 8260B	J64455-10	21-Jun-07	06-Aug-07		TRIP BLANK	0 0	1 ua/l		
Xylene (total)	1330-20-7	1330-20-7 SW846 8260B J6	J64455-10	21-Jun-07	06-Aug-07		TRIP BLANK	ΩO	1 ua/l		
Benzene	71-43-2	SW846 8260B	J64455-10	21-Jun-07	06-Aug-07		TRIP BLANK	[] c	1.00/		

	Diles.	MENTAL	ndinecour	3		Sample	Location	Result Code RL Units Valid Result Valid Code	NE VIIIIS YAIIN F	tesuit valid cou
Ethylbenzene	100-41-4	SW846 8260B	J64352-1	19-Jun-07	06-Aug-07	MW11	2090	ก๐	1/Bn L	
Toluene	108-88-3	SW846 8260B	J64352-1	19-Jun-07	06-Aug-07	MW11	0607	ΠO	1 ug/l	***************************************
Xylene (total)	1330-20-7	SW846 8260B	J64352-1	19-Jun-07	06-Aug-07	MW11	0607	no	1 ug/l	
Benzene	71-43-2	SW846 8260B	J64352-1	19-Jun-07	06-Aug-07	MW11	0607	no	1 ug/l	
Arsenic, Total	7440-38-2	SW846 6010B	J64352-1	19-Jun-07	06-Aug-07	MW11	2090	35	8 ug/l	***************************************
Ethylbenzene	100-41-4	SW846 8260B	J64352-2	19-Jun-07	06-Aug-07	MW78	2090	n:o	1 ug/l	
Toluene	:108-88-3	SW846 8260B	J64352-2	19-Jun-07	06-Aug-07	MW78	0607	ΩO	1 ug/l	
Xylene (total)	1330-20-7	SW846 8260B	J64352-2	19-Jun-07	06-Aug-07	MW78	0607	0.42 J	1 ug/l	
Benzene	71-43-2	SW846 8260B	J64352-2	19-Jun-07	06-Aug-07	MW78	0607	20,00	1'da/l	***************************************
Arsenic, Total	7440-38-2	SW846 6010B	J64352-2	19-Jun-07	06-Aug-07	MW78	0607	42.7	8 ug/l	
Arsenic, Total	7440-38-2	SW846 6010B	J64352-3	20-Jun-07	06-Aug-07	MW69A	0607	81.6	8 ug/l	· · · · · · · · · · · · · · · · · · ·
Ethylbenzene	100-41-4	SW846 8260B	J64352-3	20-Jun-07	06-Aug-07	MW69A	0607	no	1 ug/l	
Toluene	108-88-3	SW846 8260B	J64352-3	20-Jun-07	06-Aug-07	MW69A	7090	סַּה	1 ug/l	***************************************
Xylene (total)	1330-20-7	SW846 8260B	J64352-3	20-Jun-07	06-Aug-07	MW69A	0607	Ωio	1 ug/l	
cis-1,2-Dichloroethene	156-59-2	SW846 8260B	J64352-3	20-Jun-02	06-Aug-07	MW69A	0607	n;o	1 ug/l	
Benzene	71-43-2	SW846 8260B	J64352-3	20-Jun-07	06-Aug-07	MW69A	0607	25.1	1 ug/l	· · · · · · · · · · · · · · · · · · ·
Vinyl chloride	75-01-4	SW846 8260B	J64352-3	20-Jun-07	06-Aug-07	MW69A	0607	Ωø	1'au/	
Ethylbenzene	100-41-4	SW846 8260B	J64352-4	20-Jun-07	06-Aug-07	MW9	0607	no .	1 ug/l	
Toluene	108-88-3		J64352-4	20-Jun-07	06-Aug-07	MW9	0607	no.	1.09/	***************************************
Xylene (total)	1330-20-7	****	J64352-4	20-Jun-07	06-Aug-07	MW9	7090	0.78 J	1 ug/l	
Benzene	71-43-2		J64352-4	20-Jun-07	06-Aug-07	MW9	0607	2.2	1 ug/l	
Arsenic, Total	7440-38-2	****	J64352-4	20-Jun-07	06-Aug-07	MW9	0607	ΩO	8 ug/l	***************************************
Ethylbenzene		SW846 8260B	J64352-5	20-Jun-07	06-Aug-07	MW10	0607	ΩO	1 ug/l	
Toluene	108-88-3		J64352-5	20-Jun-07	06-Aug-07	MW10	2090	0.0	1'au/i	**************************************
Xylene (total)	1330-20-7	SW846 8260B	J64352-5	20-Jun-07	06-Aug-07	MW10	0607	n o	1;ng/l	
cis-1,2-Dichloroethene	156-59-2	SW846 8260B	J64352-5	20-Jun-07	06-Aug-07	MW10	0607	0.0	1 ug/l	
Benzene	71-43-2		J64352-5	20-Jun-07	06-Aug-07	MW10	7090	Λo	1 ug/l	
Vinyl chloride	75-01-4	SW846 8260B	J64352-5	20-Jun-07	06-Aug-07	MW10	7090	n o	1 ug/l	
Arsenic, Total	7440-38-2		J64352-5	20-Jun-07	06-Aug-07	MW10	0607	26.8	8 ug/l	· · · · · · · · · · · · · · · · · · ·
Azobenzene	103-33-3	SW846 8270C	J64352-5	20-Jun-07	06-Aug-07	MW10	0607	n.o	5.4 ug/l	
Azoxybenzene	495-48-7	SW846 8270C	J64352-5	20-Jun-07	06-Aug-07	MW10	0607	Ωo	5.4 ug/l	
Nitrosobenzene	586-96-9	SW846 8270C	J64352-5	20-Jun-07	06-Aug-07	MW10	7090	Πo	5.4 ug/l	
Aniline	62-53-3	SW846 8270C	J64352-5	20-Jun-07	06-Aug-07	MW10	0607	0.73.J	2.2 ug/l 2.2	n.
2-Aminophenol	95-55-6	SW846 8270C	J64352-5	20-Jun-07	06-Aug-07	MW10	7090	ΠO	22 ug/l	· · · · · · · · · · · · · · · · · · ·
Nitrobenzene	98-95-3	SW846 8270C	J64352-5	20-Jun-07	06-Aug-07	MW10	0607	0.63.J	2.2 ug/l 2.2	ם
Ethylbenzene	100-41-4	SW846 8260B	J64352-6	20-Jun-07	06-Aug-07	MW71	0607	Λo	1 ug/l	
Toluene	108-88-3	SW846 8260B	J64352-6	20-Jun-07	06-Aug-07	MW71	7090	o 	1 ug/l	
Xylene (total)	1330-20-7		J64352-6	20-Jun-07	06-Aug-07	MW71	7090	Ωo	1 ug/l	**************************************
Benzene	:71-43-2	SW846 8260B	J64352-6	20Inn-07	06-Aug-07	MW71	0807	=	1	***************************************

J64352val.xls 1 of 2

Valid Code			***************************************	
is Valid Result				***************************************
S RU Units W	, L	1:ug/	1 ug/l	/on/
Result Code RI) 0 0	∩ o) 0) 0
Location	压	TRIP BLANK	TRIP BLANK	TRIP BLANK
ample VW71	NA	UNK	Š	Š
Validation Date S	06-Aug-07	06-Aug-07	06-Aug-07	06-Aug-07
	20-Jun-07			
Labsampld J64352-6	J64352-7	J64352-7	J64352-7	J64352-7
casno Method La 7440-38-2 SW846 6010B J6	100-41-4 SW846 8260B J64352-7	SW846 8260B	SW846 8260B	SW846 8260B
casno 7440-38-2	100-41-4	108-88-3	1330-20-7	71-43-2
a	Ethylbenzene		Xylene (total)	Benzene 71-43-2 SW846 8260B

DATA USABILITY SUMMARY REPORT FOR JANUARY 2007 MONTHLY COMPLIANCE MONITORING

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

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

SUMMARY

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

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

"U" - not detected at the value given,

"UJ" - estimated and not detected at the value given,

"J" - estimated at the value given, and

"R" - unusable value.

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

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

VOLATILE ORGANIC ANALYSIS

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

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

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

INORGANIC AND OIL AND GREASE ANALYSIS

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

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

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

Analyta	CHSITO									
Chromium, Total	7440-47-3	EPA 200.7	J50601-1	03-Jan-07	29-Jan-07		0107	Ωo	10:ud/l	
	7440-50-8	EPA 200.7	J50601-1	03-Jan-07	29-Jan-07	SP114	0107	Ω°O	25 ug/l	
Zinc, Total	7440-66-6	EPA 200.7	J50601-1	03-Jan-07	29-Jan-07	SP114	0107	Ω°	20 ug/l	
Ethylbenzene	100-41-4	EPA 624	J50601-1	03-Jan-07	29-Jan-07	SP114	0107	3.7	1 ug/l	
cis-1,3-Dichloropropene	10061-01-5		J50601-1	03-Jan-07	29-Jan-07	SP114	0107	O o	1/bn L	
, Total	7429-90-5	EPA 200.7	J50601-1	03-Jan-07	29-Jan-07	SP114	0107	<u>0</u>	100 ug/l	***************************************
	7439-89-6	EPA 200.7	J50601-1	03-Jan-07	29-Jan-07	SP114	0107	44700	100 Lg/l	3
Lead, Total	7439-92-1	EPA 200.7	J50601-1	03-Jan-07	29-Jan-07	SP114	0107	0.0	3 ug/l	
	7440-02-0	EPA 200.7	J50601-1	03-Jan-07	29-Jan-07	SP114	0107	0 0	40 ug/l	***************************************
	7440-38-2	EPA 200.7	J50601-1	03-Jan-07	29-Jan-07	SP114	0107	112	8 uq/	*****
	φ	EPA 624	J50601-1	03-Jan-07	29-Jan-07	SP114	0107	no	, Jan 1	
1,4-Dichlorobenzene	106-46-7	EPA 624	J50601-1	03-Jan-07	29-Jan-07	SP114	0107	n o	1/gn/L	
1,2-Dichloroethane	107-06-2	EPA 624	J50601-1	03-Jan-07	29-Jan-07	SP114	0107	0 0	1 ug/l	
Toluene	108-88-3	EPA 624	J50601-1	03-Jan-07	29-Jan-07	SP114	0107	6.1	1 ug/	
Chlorobenzene	108-90-7	EPA 624	J50601-1	03-Jan-07	29-Jan-07	SP114	0107	0.69.J	1 ug/l	
Dibromochloromethane	124-48-1	EPA 624	J50601-1	03-Jan-07	29-Jan-07	SP114	0107	n o	1 ug/l	· · · · · · · · · · · · · · · · · · ·
ene	127-18-4	EPA 624	J50601-1	03-Jan-07	29-Jan-07	SP114	0107	ņ	/bnit	
	1330-20-7	EPA 624	J50601-1	03-Jan-07	29-Jan-07	SP114	0107	8.2	1 ug/l	
	156-59-2	EPA 624	J50601-1	03-Jan-07	29-Jan-07	SP114	0107	12	1 ug/l	
епе	156-60-5	EPA 624	J50601-1	03-Jan-07	29-Jan-07	SP114	0107	0.58 J	1 ug/l	
1,3-Dichlorobenzene	541-73-1	EPA 624	J50601-1	03-Jan-07	29-Jan-07	SP114	0107	0.0	1 ug/l	· · · · · · · · · · · · · · · · · · ·
Carbon tetrachloride	56-23-5	EPA 624	J50601-1	03-Jan-07	29-Jan-07	SP114	0107) O	1 ug/l	
Chloroform	67-66-3	EPA 624	J50601-1	03-Jan-07	29-Jan-07	SP114	0107) 0	1 49/	
	71-43-2	EPA 624	J50601-1	03-Jan-07	29-Jan-07	SP114	0107	72.2	1:ug/l	
1,1,1-Trichloroethane	71-55-6	EPA 624	J50601-1	03-Jan-07	29-Jan-07	SP114	0107	4.7	1'ug/l	
Methyl bromide	74-83-9	EPA 624	J50601-1	03~Jan-07	29-Jan-07	SP114	0107	∩ o	1 ug/l	
Chloromethane	74-87-3	EPA 624	J50601-1	03-Jan-07	29-Jan-07	SP114	0107	0	1.ug/l	
Chloroethane	75-00-3	EPA 624	J50601-1	03-Jan-07	29-Jan-07	SP114	0107	n o	1 tog/	
Vinyl chloride	75-01-4	EPA 624	J50601-1	03-Jan-07	29-Jan-07	SP114	0107	53.7	2.ug/l	· · · · · · · · · · · · · · · · · · ·
돇	75-09-2	EPA 624	J50601-1	03-Jan-07	29-Jan-07	SP114	0107	∩ o	1 ug/l	
Вготобогт	75-25-2	EPA 624	J50601-1	03-Jan-07	29-Jan-07	SP114	0107	∩.0	1 ug/l	
Bromodichloromethane	75-27-4	EPA 624	J50601-1	03-Jan-07	29-Jan-07	SP114	0107	n o	1 ug/l	
1,1-Dichloroethane	75-34-3	EPA 624	J50601-1	03-Jan-07	29-Jan-07	SP114	0107	14.8	1 ug/l	
1,1-Dichloroethene	75-35-4	EPA 624	J50601-1	03-Jan-07	29-Jan-07	SP114	0107	n o	1 ug/l	
Trichlorofluoromethane	75-69-4	EPA 624	J50601-1	03-Jan-07	29-Jan-07	SP114	0107	೧೦	2 ug/l	**************************************
Dichlorodifluoromethane	75-71-8	EPA 624	J50601-1	03-Jan-07	29-Jan-07	SP114	0107	0 0	2 ug/l	
1,2-Dichloropropane	78-87-5	EPA 624	J50601-1	03-Jan-07	29-Jan-07	SP114	0107	0.0	1 ug/l	**************************************
1,1,2-Trichloroethane	79-00-5	EPA 624	J50601-1	03-Jan-07	29-Jan-07	SP114	0107	0	1 ug/l	
Trichloroethene	79-01-6	EPA 624	J50601-1	03-Jan-07	29-Jan-07	SP114	0107	O o	1 ug/l	
1,1,2,2-Tetrachloroethane	79-34-5	EPA 624	J50601-1	03-Jan-07	29-Jan-07	SP114	0107	Ωo	1 ug/l	
1,2-Dichlorobenzene	95-50-1	EPA 624	J50601-1	03-Jan-07	29-Jan-07	SP114	0107	O o	1:ua/l	

Analyte	Casho	Method	Labsampid	B	Validation Date	Sample	O.	Result Code	RL Units	Rt. Units Valid Result Valid Code	Valid Code
Ethylbenzene	100-41-4	EPA 624	J50601-2	03-Jan-07	29-Jan-07	SP217	0107	∩ 0	1 ug/l		
cis-1,3-Dichloropropene	10061-01-5 EPA 624	EPA 624	J50601-2	03-Jan-07	29-Jan-07	SP217	0107	00	1.ug/l		
pene	ထု	EPA 624	J50601-2	03-Jan-07	29-Jan-07	SP217	7010	n o	1 ug/		
,4-Dichlorobenzene	106-46-7	EPA 624	J50601-2	03-Jan-07	29-Jan-07	SP217	0107	D.o	1.cg/		
,2-Dichloroethane	107-06-2	EPA 624	J50601-2	03-Jan-07	29-Jan-07	SP217	0107	∩ 0	1 ug/l		**************************************
Toluene	108-88-3	EPA 624	J50601-2	03-Jan-07	29-Jan-07	SP217	0107	∩ o	1 ug/l	***************************************	******
Chlorobenzene	108-90-7	EPA 624	J50601-2	03-Jan-07	29-Jan-07	SP217	0107) 6	1/gn:L		
Dibromochloromethane	124-48-1	EPA 624	J50601-2	03-Jan-07	29-Jan-07	SP217	0107	O 0	1:ug/l		
etrachloroethene	127-18-4	EPA 624	J50601-2	03-Jan-07	29-Jan-07	SP217	0107	∩ •	1,00/		
Kylenes (total)	1330-20-7	EPA 624	J50601-2	03-Jan-07	29-Jan-07	SP217	0107	∩ °	1 ug/l	***************************************	******
cis-1,2-Dichloroethene	156-59-2	EPA 624	J50601-2	03-Jan-07	29-Jan-07	SP217	0107	-	1/bn:L		
trans-1,2-Dichloroethene		EPA 624	J50601-2	03-Jan-07	29-Jan-07	SP217	0107) o	1/bn:L	***************************************	•
I,3-Dichlorobenzene	541-73-1	EPA 624	J50601-2	03-Jan-07	29-Jan-07	SP217	0107	∩ 0	1:ug/l		
Carbon tetrachloride	56-23-5	EPA 624	J50601-2	03-Jan-07	29-Jan-07	SP217	0107	∩ 0	1 ug/l		
Chloroform		EPA 624	J50601-2	03-Jan-07	29-Jan-07	SP217	0107	1.2	1 ug/l		
Benzene	71-43-2	EPA 624	J50601-2	03-Jan-07	29-Jan-07	SP217	0107) O	1 ug/l		
f,1,1-Trichloroethane		EPA 624	J50601-2	03-Jan-07	29-Jan-07	SP217	0107	0.36 J	1 ug/l		******* * * * * * * * * * * * * * * *
Methyl bromide	74-83-9	EPA 624	J50601-2	03-Jan-07	29-Jan-07	SP217	0107	n o	1 ug/l	***************************************	
Chloromethane		EPA 624	J50601-2	03-Jan-07	29-Jan-07	SP217	0107	0.0	1 ug/l		
Chloroethane	75-00-3	EPA 624	J50601-2	03-Jan-07	29-Jan-07	SP217	0107	n o	1 ug/l		· · · · · · · · · · · · · · · · · · ·
Vinyl chloride	75-01-4	EPA 624	J50601-2	03-Jan-07	29-Jan-07	SP217	0107	Ωo	2 ug/l	***************************************	
Methylene chloride	75-09-2	EPA 624	J50601-2	03-Jan-07	29-Jan-07	SP217	0107	20	1 ug/l	** * * * * * * * * * * * * * * * * * *	
Вготобогт	75-25-2	EPA 624	J50601-2	03-Jan-07	29-Jan-07	SP217	0107	٥٥	1 ug/l		, , , , , , , , , , , , , , , , , , , ,
Bromodichloromethane		EPA 624	J50601-2	03-Jan-07	29-Jan-07	SP217	0107	0.34 J	1 ug/		
1,1-Dichloroethane		EPA 624	J50601-2	03-Jan-07	29-Jan-07	SP217	0107	60	1 ug/l	•	
,1-Dichloroethene	75-35-4	EPA 624	J50601-2	03-Jan-07	29-Jan-07	SP217	0107	0.0	1/gn 1		******
richlorofluoromethane	75-69-4	EPA 624	J50601-2	03-Jan-07	29-Jan-07	SP217	0107	⊃ 6	2 ug/l		
Dichlorodifluoromethane	75-71-8	EPA 624	J50601-2	03-Jan-07	29-Jan-07	SP217	0107	0.0	2 ug/l		
2-Dichloropropane	78-87-5	EPA 624	J50601-2	03-Jan-07	29-Jan-07	SP217	0107	Ωo	1 ug/l	· · · · · · · · · · · · · · · · · · ·	******
,1,2-Trichloroethane	79-00-5	EPA 624	J50601-2	03-Jan-07	29-Jan-07	SP217	0107	Ω:0	1 ug/l	***************************************	**************************************
richloroethene	79-01-6	EPA 624	J50601-2	03-Jan-07	29-Jan-07	SP217	0107	∩ o	1 ug/l		
,1,2,2-Tetrachloroethane 79-34-5	79-34-5	EPA 624	J50601-2	03-Jan-07	29-Jan-07	SP217	0107	Ω°	1:ug/l		**************************************
1,2-Dichlorobenzene	95-50-1	EPA 624	J50601-2	03-Jan-07	29-Jan-07	SP217	0107	n o	1 ug/l	**************************************	

2 of 4

Oll And Grease	FPA 1664		Proceduration of the Community of the Co		A CONTRACTOR OF THE PARTY OF TH		# MO () ()			
: C#1. (1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0		EPA 1664A	. 150601-3	03-Jan-07	29-Jan-07	SP219	0107	<u>:</u>	5.1:ma/l :	Total Total Control of the Control o
enizipanzina	100-41-4	EPA 624	J50601-3	03-Jan-07	29-Jan-07	SP219	0107	11:0	1,017	
cis-1,3-Dichloropropene 10061-01-5 EPA 624	10061-01-5	1 EPA 624	J50601-3	03-Jan-07	29-Jan-07	SP219	0107)) (1,00/	
trans-1,3-Dichloropropene	:10061-02-6	3 EPA 624	J50601-3	03-Jan-07	29-Jan-07	SP219	0107	0.0	1,00,1	
1,4-Dichlorobenzene	106-46-7	EPA 624	J50601-3	03-Jan-07	29-Jan-07	SP219	0107	0.0	1901	
1,2-Dichloroethane	107-06-2	EPA 624	J50601-3	03-Jan-07	29-Jan-07	SP219	0107	U.O.	1,00/	
Toluene 108-88-3	108-88-3	EPA 624	J50601-3	03-Jan-07	29-Jan-07	SP219	0107	0.0	1 ug/l	
Chlorobenzene	108-90-7	EPA 624	J50601-3	03-Jan-07	29-Jan-07	SP219	0107	0.0	1 ug/l	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
Dibromochloromethane 124-48-1	124-48-1	EPA 624	J50601-3	03-Jan-07	29-Jan-07	SP219	0107	0.0	1 49/	******
Tetrachloroethene	127-18-4	EPA 624	J50801-3	03-Jan-07	29-Jan-07	SP219	0107	O o	1 ug/l	
Xylenes (total)	1330-20-7	EPA 624	J50601-3	03-Jan-07	29-Jan-07	SP219	0107	0.0	1 ug/l	
cis-1,2-Dichloroethene	156-59-2	EPA 624	J50601-3	03-Jan-07	29-Jan-07	SP219	0107	O O	1 ug/l	
trans-1,2-Dichloroethene	156-60-5	EPA 624	J50601-3	03-Jan-07	29-Jan-07	SP219	0107	O 0	1.ug/l	***************************************
1,3-Dichlorobenzene	541-73-1	EPA 624	J50601-3	03~Jan-07	29-Jan-07	SP219	0107	∩ 0	1'ug/l	
schloride	56-23-5	EPA 624	J50601-3	03-Jan-07	29-Jan-07	SP219	0107	Ωo	1 ug/l	
_	67-66-3	EPA 624	J50601-3	03-Jan-07	29-Jan-07	SP219	0107	4.6	1'da/1	
Benzene	71-43-2	EPA 624	J50601-3	03-Jan-07	29-Jan-07	SP219	0107	<u> </u>	1,ug/l	******
1,1,1-Trichloroethane	71-55-6	EPA 624	J50601-3	03-Jan-07	29-Jan-07	SP219	0107	0.36.J	1 ug/l	
Methyl bromide	74-83-9	EPA 624	J50601-3	03-Jan-07	29-Jan-07	SP219	0107	∩ o	1 ug/l	
Chloromethane	74-87-3	EPA 624	J50601-3	03-Jan-07	29-Jan-07	SP219	0107	Ωo	140/	
Chloroethane	75-00-3	EPA 624	J50601-3	03-Jan-07	29-Jan-07	SP219	0107	Ωo	1'm1	
Vinyl chloride	75-01-4	EPA 624	J50601-3	03-Jan-07	29-Jan-07	SP219	0107	<u> </u>	2 ug/l	
퍑	75-09-2	EPA 624	J50601-3	03-Jan-07	29-Jan-07	SP219	0107	∩ o	1 ug/l	
Bromoform	75-25-2	EPA 624	J50601-3	03-Jan-07	29-Jan-07	SP219	0107	∩ o	1 ug/l	
Bromodichloromethane	thane 75-27-4	EPA 624	J50601-3	03-Jan-07	29-Jan-07	SP219	0107	0:0	1 ug/l	
1,1-Dichloroethane	75-34-3	EPA 624	J50601-3	03-Jan-07	29-Jan-07	SP219	0107	3.9	1 ug/	***************************************
1,1-Dichloroethene	75-35-4	EPA 624	J50601-3	03-Jan-07	29-Jan-07	SP219	0107) 0	1/6n;	
Trichlorofluoromethane	75-69-4	EPA 624	J50601-3	03-Jan-07	29-Jan-07	SP219	0107) 0	2 ug/l	
6	75-71-8	EPA 624	J50601-3	03-Jan-07	29-Jan-07	SP219	0107	<u>0</u>	2 ug/l	
1,2-Dichloropropane	78-87-5	EPA 624	J50601-3	03-Jan-07	29-Jan-07	SP219	0107	0.0	1'gu'l	
nan	79-00-5	EPA 624	J50601-3	03-Jan-07	29-Jan-07	SP219	0107	٥٠	1 ug/l	
Trichloroethene	79-01-6	EPA 624	J50601-3	03-Jan-07	29-Jan-07	SP219	0107	0 0	1 ug/l	
1,1,2,2-Tetrachloroethane 79-34-5	79-34-5	EPA 624	J50601-3	03-Jan-07	29-Jan-07	SP219	0107) O	1'gu1	
1,2-Dichlorobenzene	95-50-1	EPA 624	J50601-3	03-Jan-07	29-Jan-07	SP219	0107	∩:o	1 ug/l	
Cyanide	57-12-5	335.3/LACH	J50601-3	03-Jan-07	29-Jan-07	SP2/19	0107	0.0	. 0.01 mg/l	
Aluminum, Total	7429-90-5	EPA 200.7	J50601-3	03-Jan-07	29-Jan-07	: SP219	0107	O O	100 ug/l	
Iron, Total 7439-89-6	7439-89-6	EPA 200.7	J50601-3	03-Jan-07	29-Jan-07	SP219	0107	132	100 ug/l	******
Lead, Total	7439-92-1	EPA 200.7	J50601-3	03-Jan-07	29-Jan-07	SP219	0107	70	3.ug/l	
Nickel, Total	7440-02-0	EPA 200.7	J50601-3	03-Jan-07	29-Jan-07	SP219	0107	٥٥	40 ug/l	
:	7440-38-2	EPA 200.7	J50601-3	03-Jan-07	29-Jan-07	SP219	0107	0 0	8: ug/l	
ם	7440-47-3	EPA 200.7	J50601-3	03-Jan-07	29-Jan-07	SP219	0107) O	10 ug/l	
Copper, Total		EPA 200.7	J50601-3	03-Jan-07	29-Jan-07	SP219	0107	n o	25 ug/l	
ZING, lotal	7440-66-6	EPA 200.7	J50601-3	03-Jan-07	29-Jan-07	SP219	0107	<u>⊃</u>	20 ug/l	

Analyte	casno	Method	Labsampid	Date Sampled	Validation Date	Sample	<u>a</u>	Result Code	R	Units Vaid Result Valid Code	Valid Code
Ethylbenzene	100-41-4	EPA 624	J50601-4	03-Jan-07	29-Jan-07	ž	TRIP BLANK	OO	•	#0000000000000000000000000000000000000	
cis-1,3-Dichloropropene	10061-01-5	EPA 624	J50601-4	03-Jan-07	29-Jan-07	ž	TRIP BLANK	ΩO	1 ug/l		
trans-1,3-Dichloropropene	••••••		J50601-4	03-Jan-07	29-Jan-07	ž	TRIP BLANK	O.	1 ug/l		
1,4-Dichlorobenzene	••••	EPA 624	J50601-4	03-Jan-07	29-Jan-07	Ž	TRIP BLANK	0.0	1 ug/l		
1,2-Dichloroethane	107-06-2	EPA 624	J50601-4	03-Jan-07	29-Jan-07	¥	TRIP BLANK	0.0	1 ug/l		
Toluene	108-88-3	EPA 624	J50601-4	03~Jan-07	29-Jan-07	Š	TRIP BLANK	<u>0</u>	1 lug/l		
Chlorobenzene	108-90-7	EPA 624	J50601-4	03-Jan-07	29-Jan-07	Š	TRIP BLANK	n o	1/6n L		-
Dibromochloromethane	124-48-1	EPA 624	J50601-4	03-Jan-07	29-Jan-07	SN	TRIP BLANK	0.0	1 ug/l		
Tetrachloroethene	127-18-4	EPA 624	J50601-4	03-Jan-07	29-Jan-07	Š	TRIP BLANK	0.0	1:ua/		
Xylenes (total)	1330-20-7	EPA 624	J50601-4	03-Jan-07	29-Jan-07	Š	TRIP BLANK	0	1,00/		
cis-1,2-Dichloroethene	156-59-2	EPA 624	J50601-4	03-Jan-07	29-Jan-07	Š	TRIP BLANK	0.0	1 ug/l		
trans-1,2-Dichloroethene	156-60-5	EPA 624	J50601-4	03-Jan-07	29-Jan-07	Z	TRIP BLANK	n o	1/m/L	******	
1,3-Dichlorobenzene	541-73-1	EPA 624	J50601-4	03-Jan-07	29~Jan-07	X N	TRIP BLANK	0.0	1 ug/l		
Carbon tetrachloride	56-23-5	EPA 624	J50801-4	03-Jan-07	29-Jan-07	Z Y Y	TRIP BLANK	Ωo	1/Bn/1		
Chloroform	67-66-3	EPA 624	J50601-4	03-Jan-07	29~Jan-07	Š	TRIP BLANK	O 0	1 ug/		
Benzene	71-43-2	EPA 624	J50601-4	03-Jan-07	29-Jan-07	¥	TRIP BLANK	0.0	1,00,1		
1,1,1-Trichloroethane	71-55-6	EPA 624	J50601-4	03-Jan-07	29-Jan-07	Š	TRIP BLANK	n o	169.1	******	
Methyl bromide	74-83-9	EPA 624	J50601-4	03-Jan-07	29-Jan-07	Š	TRIP BLANK	ΩO	1 ua/		***************************************
Chloromethane	74-87-3	EPA 624	J50601-4	03-Jan-07	29-Jan-07	Š	TRIP BLANK	0	1 ug/		
Chloroethane	75-00-3	EPA 624	J50601-4	03-Jan-07	29-Jan-07	Š	TRIP BLANK	0.0	1 ug/		
Vinyl chloride	75-01-4	EPA 624	J50601-4	03-Jan-07	29-Jan-07	ž	TRIP BLANK	0.0	2 40/1		
Methylene chloride	75-09-2	EPA 624	J50601-4	03-Jan-07	29-Jan-07	ž	TRIP BLANK	Ωo	1:ua/l		******
Вготобогт	75-25-2	EPA 624	J50601-4	03-Jan-07	29-Jan-07	Ϋ́	TRIP BLANK	<u>0</u>	1,ua/l		
Bromodichloromethane	75-27-4	EPA 624	J50601-4	03-Jan-07	29-Jan-07	¥	TRIP BLANK) O	1 ug/l		
1,1-Dichloroethane	75-34-3	EPA 624	J50601-4	03-Jan-07	29-Jan-07	Ž	TRIP BLANK	Ωo	1 ug/l		
1,1-Dichloroethene	75-35-4	EPA 624	J50601-4	03-Jan-07	29-Jan-07	Š	TRIP BLANK) 0	1:ug/l		
Trichloroffuoromethane	75-69-4	EPA 624	J50601-4	03-Jan-07	29-Jan-07	¥	TRIP BLANK	∩ 0	2 ug/l		
Dichlorodifluoromethane	75-71-8	EPA 624	J50601-4	03-Jan-07	29-Jan-07	ž	TRIP BLANK	∩ •	2 ug/l		
1,2-Dichloropropane	<u> </u>	EPA 624	J50601-4	03-Jan-07	29-Jan-07	X N	TRIP BLANK	∩ °	1/gn L	\$\frac{1}{2} \cdot \tau \cdot \ta	· · · · · · · · · · · · · · · · · · ·
1,1,2-Trichloroethane		EPA 624	J50601-4	03-Jan-07	29-Jan-07	Š	TRIP BLANK	n o	/Gn L	· · · · · · · · · · · · · · · · · · ·	
Trichloroethene		EPA 624	J50601-4	03-Jan-07	29-Jan-07	Š	TRIP BLANK) 0	1 ug/l		
1,1,2,2-Tetrachloroethane		EPA 624	J50601-4	03-Jan-07	29-Jan-07	ZN	TRIP BLANK	0.0	1 ug/l		
1,2-Dichlorobenzene	95-50-1	EPA 624	J50601-4	03-Jan-07	29-Jan-07	- CK	TRIP BLANK	0	1 ug/l		
Aluminum, Dissolved	7429-90-5	•••••	J50601-1F	03-Jan-07	29-Jan-07	SP114	0107	<u> </u>	100 ug/l	0-1	·····
Aluminum, Dissolved	7429-90-5	EPA 200.7	J50601-3F	03-Jan-07	29-Jan-07	SP219	0107	n o	100 ug/l		

DATA USABILITY SUMMARY REPORT FOR FEBRUARY 2007 MONTHLY COMPLIANCE MONITORING

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

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

SUMMARY

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

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

"U" - not detected at the value given,

"UJ" - estimated and not detected at the value given,

"J" - estimated at the value given, and

"R" - unusable value.

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

VOLATILE ORGANIC ANALYSIS

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

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

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

INORGANIC AND OIL AND GREASE ANALYSIS

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

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

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

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

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

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

Ethylbenzene	100-41-4	EPA 624	J53423-1	07-Feb-07	08-Mar-07	SP114	0207	6.5	1 ug/	
cis-1,3-Dichloropropene	10061-01-5	EPA 624	J53423-1	07-Feb-07	08-Mar-07	SP114	0207	O:0	1,00,1	
trans-1,3-Dichloropropene	10061-02-6	EPA 624	J53423-1	07-Feb-07	08-Mar-07	SP114	0207	no	1:10/	
1,4-Dichlorobenzene	106-46-7	EPA 624	J53423-1	07-Feb-07	08-Mar-07	SP114	0207	Πo	1 00/1	*******
1,2-Dichloroethane	107-06-2	EPA 624	J53423-1	07-Feb-07	08-Mar-07	SP114	0207	Ω°	1,na/	
Toluene	108-88-3	EPA 624	J53423-1	07-Feb-07	08-Mar-07	SP114	0207	7.4	1 ug/[
Chlarobenzene	108-90-7	EPA 624	J53423-1	07-Feb-07	08-Mar-07	SP114	0207	0.58.J	1 ua/l	
Dibromochloromethane	124-48-1	EPA 624	J53423-1	07-Feb-07	08-Mar-07	SP114	0207	0.0	1 ug/l	
Tetrachloroethene	127-18-4	EPA 624	J53423-1	07-Feb-07	08-Mar-07	SP114	0207	ΩO	1 ug/l	
Xylenes (total)	1330-20-7	EPA 624	J53423-1	07-Feb-07	08-Mar-07	SP114	0207	8.6	1 na/	
cis-1,2-Dichloroethene	156-59-2	EPA 624	J53423-1	07-Feb-07	08-Mar-07	SP114	0207	25.7	1 ug/	
trans-1,2-Dichloroethene	156-60-5	EPA 624	J53423-1	07-Feb-07	08-Mar-07	SP114	0207	0.78.J	1.00/	
1,3-Dichlorobenzene	541-73-1	EPA 624	J53423-1	07-Feb-07	08-Mar-07	SP114	0207	Ωo	1:ug/ :	
Carbon tetrachloride	56-23-5	EPA 624	J53423-1	07-Feb-07	08-Mar-07	SP114	0207	Ωo	1 ua/l	
Chloroform	****	EPA 624	J53423-1	07-Feb-07	08-Mar-07	SP114	0207	0.0	100/1	
Вепzеле	*****	EPA 624	J53423-1	07-Feb-07	08-Mar-07	SP114	0207	81.8	1,00/	
1,1,1-Trichloroethane	71-55-6	EPA 624	J53423-1	07-Feb-07	08-Mar-07	SP114	0207	5.4	1 ug/l	***************************************
Methyl bromide	74-83-9	EPA 624	J53423-1	07-Feb-07	08-Mar-07	SP114	0207	n o	1 ug/l	
Methyl chloride	74-87-3	EPA 624	J53423-1	07-Feb-07	08-Mar-07	SP114	0207	٥٥	1:ug/	
Chloroethane	75-00-3	EPA 624	J53423-1	07-Feb-07	08-Mar-07	SP114	0207	1.3	1 ug/l	
Vinyl chloride	75-01-4	EPA 624	J53423-1	07-Feb-07	08-Mar-07	SP114	0207	83	2 ug/l	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
Methylene chloride	75-09-2	EPA 624	J53423-1	07-Feb-07	08-Mar-07	SP114	0207	O o	1'ug/l	
Bromoform	75-25-2	EPA 624	J53423-1	07-Feb-07	08-Mar-07	SP114	0207	0.0	1 ug/l	
Dichlorobromomethane	75-27-4	EPA 624	J53423-1	07-Feb-07	08-Mar-07	SP114	0207	0.0	1'ug/l	
1,1-Dichloroethane	75-34-3	EPA 624	J53423-1	07-Feb-07	08-Mar-07	SP114	0207	24	1/nn/	
1,1-Dichloroethene	75-35-4	EPA 624	J53423-1	07-Feb-07	08-Mar-07	SP114	0207	n o	1 ug/l	
Trichlorofluoromethane	75-69-4	EPA 624	J53423-1	07-Feb-07	08-Mar-07	SP114	0207	Ωo	2 ug/l	
Dichlorodifluoromethane	75-71-8	EPA 624	J53423-1	07-Feb-07	08-Mar-07	SP114	0207	Ωo	Z ug/l	***************************************
1,2-Dichloropropane	78-87-5	EPA 624	J53423-1	07-Feb-07	08-Mar-07	SP114	0207	0.0	1 ug/	
1,1,2-Trichloroethane	79-00-5	EPA 624	J53423-1	07-Feb-07	08-Mar-07	SP114	0207	Πo	1 ug/l	
Trichloroethene	79-01-6	EPA 624	J53423-1	07-Feb-07	08-Mar-07	SP114	0207	0.0	1'ug/l	
1,1,2,2-Tetrachloroethane	79-34-5	EPA 624	J53423-1	07-Feb-07	08-Mar-07	SP114	0207	Ωo	/on L	,
1,2-Dichlorobenzene	95-50-1	EPA 624	J53423-1	07-Feb-07	08-Mar-07	SP114	0207	Ωo	/6n; L	•
Total	7429-90-5	EPA 200.7	J53423-1	07-Feb-07	08-Mar-07	SP114	0207	ΩO	100 ug/l	
Iron, Total	7439-89-6	EPA 200.7	J53423-1	07-Feb-07	08-Mar-07	SP114	0207	48400	100 ug/l	
Lead, Total	7439-92-1	EPA 200.7	J53423-1	07-Feb-07	08-Mar-07	SP114	0207	0.0	3 ug/l	***************************************
Nickel, Total	7440-02-0	EPA 200.7	J53423-1	07-Feb-07	08-Mar-07	SP114	0207	no	40 ug/l	
Arsenic, Total	7440-38-2	EPA 200.7	J53423-1	07-Feb-07	08-Mar-07	SP114	0207	108	8 ug/l	
Chromlum, Total		EPA 200.7	J53423-1	07-Feb-07	08-Mar-07	SP114	0207	ΩO	10 ug/l	
otal	7440-50-8	EPA 200.7	J53423-1	07-Feb-07	08-Mar-07	SP114	0207	ne	25 ug/l	
Zine Total	7//0 66 6	150 A 200 7	7 007 01	- L		***********************		***************************************		*****************

Analyte	Casho	Method	Labsampid I	Date Sampled	Validation Date	Sample 10	Location	Result Code	RL Unifs	Units Valid Result Valid Code	e Code
Ethylbenzene	100-41-4	EPA 624	J53423-2	07-Feb-07	08-Mar-07	SP217	0207	n o	1:ug/l	construction of the constr	
cis-1,3-Dichloropropene		EPA 624	J53423-2	07-Feb-07	08-Mar-07	SP217	0207	O O	1/5n:L	***************************************	
trans-1,3-Dichloropropene	10061-02-6 EPA 624	EPA 624	J53423-2	07-Feb-07	08-Mar-07	SP217	0207	0.0	1:ug/		!
1,4-Dichlorobenzene	106-48-7	EPA 624	J53423-2	07-Feb-07	08-Mar-07	SP217	0207	0.0	1 ug/l		
1,2-Dichloroethane	107-06-2	EPA 624	J53423-2	07-Feb-07	08-Mar-07	SP217	0207	ΩÖ	1 ug/l		
Toluene	108-88-3	EPA 624	J53423-2	07-Feb-07	08-Mar-07	SP217	0207	0	1 ug/l	***************************************	
Chlorobenzene	108-90-7	EPA 624	J53423-2	07-Feb-07	08-Mar-07	SP217	0207	0.0	1/gn/L		
Dibromochloromethane	124-48-1	EPA 624	J53423-2	07-Feb-07	08-Mar-07	SP217	0207	n o	1/ini_		
Tetrachloroethene	127-18-4	EPA 624	J53423-2	07-Feb-07	08-Mar-07	SP217	0207	Ω°	1 ug/l		
Xylenes (total)	1330-20-7	EPA 624	J53423-2	07-Feb-07	08-Mar-07	SP217	0207	no	1,00/1		
cis-1,2-Dichloroethene	156-59-2	EPA 624	J53423-2	07-Feb-07	08-Mar-07	SP217	0207	3.2	1/6n L		
trans-1,2-Dichloroethene	156-60-5	EPA 624	J53423-2	07-Feb-07	08-Mar-07	SP217	0207	Ω°	1 ug/l	* * * * * * * * * * * * * * * * * * *	
1,3-Dichlarobenzene	541-73-1	EPA 624	J53423-2	07-Feb-07	08-Mar-07	SP217	0207	n o	1 ug/l		
Carbon tetrachloride	56-23-5	EPA 624	J53423-2	07-Feb-07	08-Mar-07	SP217	0207	O o	1:ug/l		
Chloroform	67-66-3	EPA 624	J53423-2	07-Feb-07	08-Mar-07	SP217	0207	<u>۔</u> دن	1 ug/l		
Вепzеле	71-43-2	EPA 624	J53423-2	07-Feb-07	08-Mar-07	SP217	0207	1.5	1/gn/L		
1,1,1-Trichloroethane	71-55-6	EPA 624	J53423-2	07-Feb-07	08-Mar-07	SP217	0207	0.65 J	1 ug/l	***************************************	
Methyl bromide	74-83-9	EPA 624	J53423-2	07-Feb-07	08-Mar-07	SP217	0207	n o	1 ug/l		
Methyl chloride	74-87-3	EPA 624	J53423-2	07-Feb-07	08-Mar-07	SP217	0207	n o	1 ug/l		
Chloroethane	:75-00-3	EPA 624	J53423-2	07-Feb-07	08-Mar-07	SP217	0207	0 0	1 ug/l		
Vinyl chloride	75-01-4	EPA 624	J53423-2	07-Feb-07	08-Mar-07	SP217	0207	2.7	2 ug/l		
Methylane chloride	75-09-2	EPA 624	J53423-2	07-Feb-07	08-Mar-07	SP217	0207	n o	1 ug/l	***************************************	
Bromoform	75-25-2	EPA 624	J53423-2	07-Feb-07	08-Mar-07	SP217	0207) 0	1 ug/l		
Dichlorobromomethane	75-27-4	EPA 624	J53423-2	07-Feb-07	08-Mar-07	SP217	0207	0 O	1 ug/l		
1,1-Dichloroethane	75-34-3	EPA 624	J53423-2	07-Feb-07	08-Mar-07	SP217	0207	5.4	1 ug/l		
1,1-Dichloroethene	75-35-4	EPA 624	J53423-2	07-Feb-07	08-Mar-07	SP217	0207) 0	1 ug/l		
Trichlorofluoromethane	75-69-4	EPA 624	J53423-2	07-Feb-07	08-Mar-07	SP217	0207	∩ °	2 ug/l	1	
Dichlorodifluoromethane	75-71-8	EPA 624		07-Feb-07	08-Mar-07	SP217	0207	n	2 ug/l	1 · 1 · 1 · 1 · 1 · 1 · 1 · 1 · 1 · 1 ·	
1,2-Dichloropropane	78-87-5	EPA 624	J53423-2	07-Feb-07	08-Mar-07	SP217	0207	n o	1 ug/l		
1,1,2-Trichloroethane	79-00-5	EPA 624	J53423-2	07-Feb-07	08-Mar-07	SP217	0207	 ∩ o	1 ug/l	66 P (
Trichloroethene	79-01-6	EPA 624	J53423-2	07-Feb-07	08-Mar-07	SP217	0207	20	1 ug/l		
1,1,2,2-Tetrachloroethane	*****	EPA 624	J53423-2	07-Feb-07	08-Mar-07	SP217	0207	0.0	1:ug/l		
:1,2-Dichlorobenzene	95-50-1	EPA 624	J53423-2	07-Feb-07	08-Mar-07	SP217	0207	0.0	1 ug/l		

Analyte	Casho	Method	absampid	Date Sampled	Validation Dat	el Sample 10	- acation	Result Code	- Taller	Valid Recult	OFF CHO
Cyanide	57-12-5	335.3/LACHA	J53423-3	07-Feb-07	08-Mar-07	SP219	2 2000 2000		0.0		
Oll And Grease		EPA 1664A	J53423-3	07-Feb-07	08-Mar-07	SP219	0207	ΩO	5.1:ma/l		
	100-41-4	EPA 624	J53423-3	07-Feb-07	08-Mar-07	SP219	0207	Ωø	1,00/1		
cis-1,3-Dichloropropene	: 10061-01-5 :1	EPA 624	J53423-3	07-Feb-07	08-Mar-07	SP219	0207	ΩO	1 ug/l		
	10061-02-6	EPA 624	J53423-3	07-Feb-07	08-Mar-07	SP219	0207	٥٥	1 ug/l		
1,4-Dichlorobenzene	106-46-7	EPA 624	J53423-3	07-Feb-07	08-Mar-07	SP219	0207	∩ o	1'gu		
	107-06-2	EPA 624	J53423-3	07-Feb-07	08-Mar-07	SP219	0207	∩ o	1 ug/l		
		EPA 624	J53423-3	07-Feb-07	08-Mar-07	SP219	0207	n o	1 ug/1		
Chlorobenzene	108-90-7	EPA 624	J53423-3	07-Feb-07	08-Mar-07	SP219	0207	∩ 0	1'gu!		
Dibromochloromethane	124-48-1	EPA 624	J53423-3	07-Feb-07	08-Mar-07	SP219	0207	n e	1 ug/l	***************************************	
ene		EPA 624	J53423-3	07-Feb-07	08-Mar-07	SP219	0207	⊃ 0	1 ug/l		
	1330-20-7	EPA 624	J53423-3	07-Feb-07	08-Mar-07	SP219	0207) o	1 ug/l		
cis-1,2-Dichloroethene	156-59-2	EPA 624	J53423-3	07-Feb-07	08-Mar-07	SP219	0207) 0	1 ug/l	· · · · · · · · · · · · · · · · · · ·	
trans-1,2-Dichloroethene	156-60-5	EPA 624	J53423-3	07-Feb-07	08-Mar-07	SP219	0207	∩ 0	1:ug/l		
1,3-Dichlorobenzene	541-73-1	EPA 624	J53423-3	07-Feb-07	08-Mar-07	SP219	0207) 0	1 ug/l		
Carbon tetrachloride	56-23-5	EPA 624	J53423-3	07-Feb-07	08-Mar-07	SP219	0207	0.0	1 ug/l		
Chloroform		EPA 624	J53423-3	07-Feb-07	08-Mar-07	SP219	0207	1.4	1 ug/l		*******
Benzene		EPA 624	J53423-3	07-Feb-07	08-Mar-07	SP219	0207) 0	1 ug/l		
1,1,1-Trichloroethane		EPA 624	J53423-3	07-Feb-07	08-Mar-07	SP219	0207	0.32 J	1 ug/1		
Methyl bromide	74-83-9	EPA 624	J53423-3	07-Feb-07	08-Mar-07	SP219	0207) o	1:ug/l		
Methyl chloride	74-87-3	EPA 624	J53423-3	07-Feb-07	08-Mar-07	SP219	0207	O 0	1 ug/l		
Chloroethane	75-00-3	EPA 624	J53423-3	07-Feb-07	08-Mar-07	SP219	0207) 0	1 ug/l		
Vinyl chloride		EPA 624	J53423-3	07-Feb-07	08-Mar-07	SP219	0207	0.61 J	2 ug/l		i
Methylene chloride	75-09-2	EPA 624	J53423-3	07-Feb-07	08-Mar-07	SP219	0207	O O	1 ug/l		
	75-25-2	EPA 624	J53423-3	07-Feb-07	08-Mar-07	SP219	0207	O O	1 ug/l		,,
апе	75-27-4	EPA 624	J53423-3	07-Feb-07	08-Mar-07	SP219	0207	0.0	1 ug/l		
	75-34-3	EPA 624	J53423-3	07-Feb-07	08-Mar-07	SP219	0207	3.9	1 ug/l		
1,1-Dichloroethene		EPA 624	J53423-3	07-Feb-07	08-Mar-07	SP219	0207	ΩÖ	1 ug/l		
Trichlorofluoromethane	75-69-4	EPA 624	J53423-3	07-Feb-07	08-Mar-07	SP219	0207	ΩÖ	2 ug/l		***************************************
ane	75-71-8	EPA 624	J53423-3	07-Feb-07	08-Mar-07	SP219	0207	n o	2:ug/l		
	78-87-5	EPA 624	J53423-3	: 07-Feb-07	08-Mar-07	SP219	0207	ם	1 ug/l		
1,1,2-Trichloroethane	79-00-5	EPA 624	J53423-3	07-Feb-07	08-Mar-07	SP219	0207	n o	1 ug/l		
Trichloroethene	79-01-6	EPA 624	J53423-3	07-Feb-07	08-Mar-07	SP219	0207	∩ o	1 ug/l		
1,1,2,2-Tetrachloroethane 79-34-5	79-34-5	EPA 624	J53423-3	07-Feb-07	. 08-Mar-07	SP219	0207) 0	1 ug/l		:******* : : : : : : : : : : : : : : :
1,2-Dichlorobenzene	95-50-1	EPA 624	J53423-3	07-Feb-07	08-Mar-07	SP219	0207) 0	1 ug/l		
, Total		EPA 200.7	J53423-3	07-Feb-07	. 08-Mar-07	SP219	0207	∩ o	100 ug/l		
	7439-89-6	EPA 200.7	J53423-3	07-Feb-07	08-Mar-07	SP219	0207	ე:0	100 ug/l	77	*****
Lead, Total	7439-92-1	EPA 200.7	J53423-3	07-Feb-07	08-Mar-07	SP219	0207	∩ o	V6n €		
Nickel, Total		EPA 200.7	J53423-3	07-Feb-07	08-Mar-07	SP219	0207	o O	40 ug/l	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	
Arsenic, Total	7440-38-2	EPA 200.7	J53423-3	07-Feb-07	08-Mar-07	SP219	0207	0	B ug/l		***
Chromium, Total	7440-47-3	EPA 200.7	J53423-3	07-Feb-07	08-Mar-07	SP219	0207	∩ 0	10 ug/l		
益	7440-50-8	EPA 200.7	J53423-3	07-Feb-07	08-Mar-07	SP219	0207	n o	25 ug/l		
		EPA 200.7	J53423-3	07-Feb-07	08-Mar-07	SP219	0207	n o	20:ug/l		
Ethylbenzene	100-41-4		J53423-4	07-Feb-07	08-Mar-07	XNO.	TRIP BLANK	∩°	1 ug/l		
cis-1,3-Dichloropropene	10061-01-5 EPA 624		J53423-4	07-Feb-07	08-Mar-07	CNK	TRIP BLANK) o	1 ug/l		

	2000		Labsampld		Velication Date		TOCATION H	Result Code	R - Intert Valid Regult	
trans-1,3-Dichloropropene 10061-02-6 EPA 624	3 10061-02-6	EPA 624	J53423-4	····	08-Mar-07	ZNO		70	§ ÷	
1,4-Dichlorobenzene	106-46-7	EPA 624	J53423-4	07-Feb-07	08-Mar-07	UNK	TRIP BLANK	Ωo	1:00/1	
1,2-Dichloroethane	107-06-2	EPA 624	J53423-4	07-Feb-07	08-Mar-07	UNK	TRIP BLANK	0.0	1 ua/l	
Toluene	108-88-3	EPA 624	J53423-4	07-Feb-07	08-Mar-07	UNK	TRIP BLANK	no	1 ug/l	
Chlorobenzene	108-90-7	EPA 624	J53423-4	07-Feb-07	08-Mar-07	UNK	TRIP BLANK	חַס	1;ug/l	
Dibromochloromethane	124-48-1	EPA 624	J53423-4	07-Feb-07	08-Mar-07	ZNO	TRIP BLANK	no no	1/6n L	
Tetrachloroethene	127-18-4	EPA 624	J53423-4	07-Feb-07	08-Mar-07	SNS	TRIP BLANK	n o	1 ug/l	
Xylenes (total)	1330-20-7	EPA 624	J53423-4	07-Feb-07	08-Mar-07	LNK	TRIP BLANK	Ωo	1 ua/l	
cis-1,2-Dichloroethene	:156-59-2	EPA 624	J53423-4	07-Feb-07	08-Mar-07	UNK	TRIP BLANK	0.0	1 bol	
trans-1,2-Dichloroethene	156-60-5	EPA 624	J53423-4	07-Feb-07	08-Mar-07	UNK	TRIP BLANK	n o	1 ua/l	***************************************
1,3-Dichlorobenzene	541-73-1	EPA 624	J53423-4	07-Feb-07	08-Mar-07	UNK	TRIP BLANK	0.0	1 ug/l	
Carbon tetrachloride	56-23-5	EPA 624	J53423-4	07-Feb-07	08-Mar-07	UNK	TRIP BLANK	n o	1 ua/	
Chloroform	67-66-3	EPA 624	J53423-4	07-Feb-07	08-Mar-07	ZNO	TRIP BLANK	∩ 0	1 ug/	***************************************
Benzene	71-43-2	EPA 624	J53423-4	07-Feb-07	08-Mar-07	ZNJ	TRIP BLANK	∩_o	1 ug/l	
1,1,1-Trichloroethane	71-55-6	EPA 624	J53423-4	07-Feb-07	08-Mar-07	ZNO	TRIP BLANK	Ωo	1 00/	
Methyl bromide	74-83-9	EPA 624	J53423-4	07-Feb-07	08-Mar-07	XND	TRIP BLANK	Ωo	1:ug/l	
Methyl chloride	74-87-3	EPA 624	J53423-4	07-Feb-07	08-Mar-07	XXS	TRIP BLANK	ΩO	1 00/	
Chloroethane	75-00-3	EPA 624	J53423-4	07-Feb-07	08-Mar-07	SNO	TRIP BLANK	Ω0	1:ug/l	***************************************
Vinyl chloride	75-01-4	EPA 624	J53423-4	07-Feb-07	08-Mar-07	CNK	TRIP BLANK	0.0	2:ug/l	
Methylene chloride	75-09-2	EPA 624	J53423-4	07-Feb-07	08-Mar-07	XNO	TRIP BLANK	0.0	1 ug/l	
Bromoform	75-25-2	EPA 624	J53423-4	07-Feb-07	08-Mar-07	Ž	TRIP BLANK	ΩÖ	1 ug/l	***************************************
Dichlorobromomethane	75-27-4	EPA 624	J53423-4	07-Feb-07	08-Mar-07	XY5	TRIP BLANK	0.0	1:ug/l	1
1,1-Dichloroethane	75-34-3	EPA 624	J53423-4	07-Feb-07	08-Mar-07	XND	TRIP BLANK	סמ	1 ug/l	
1,1-Dichloroethene	75-35-4	EPA 624	J53423-4	07-Feb-07	08-Mar-07	Ž	TRIP BLANK	∩ 0	1 ug/l	
Trichlorofluoromethane	75-69-4	EPA 624	J53423-4	07-Feb-07	08-Mar-07	ZNO	TRIP BLANK	∩ 0	2 ug/l	
Dichlorodifluoromethane	75-71-8	EPA 624	J53423-4	07-Feb-07	08-Mar-07	ZNS	TRIP BLANK	Ωo	2 ug/l	*****
1,2-Dichloropropane	78-87-5	EPA 624	J53423-4	07-Feb-07	08-Mar-07	UNK	TRIP BLANK	∩ 0	100/	
1,1,2-Trichloroethane	79-00-5	EPA 624	J53423-4	07-Feb-07	08-Mar-07	UNK	TRIP BLANK	ΩO	1,00/1	
Trichloroethene	79-01-6	EPA 624	J53423-4	07-Feb-07	08-Mar-07	UNK	TRIP BLANK	<u>0</u> 0	1 ug/l	*****
1,1,2,2-Tetrachloroethane 79-34-5	79-34-5	EPA 624	J53423-4	07-Feb-07	08-Mar-07	UNK	TRIP BLANK	0.0	1 ug/l	
1,2-Dichlorobenzene	:95-50-1	EPA 624	J53423-4	07-Feb-07	08-Mar-07	UNK	TRIP BLANK	O O	1:ug/l	

Chromium, Total Solids, Percent Ignitability (Flashpoint)	***************************************									
ooint)	7440-47-3	SW846 6010B	J53423-5	07-Feb-07	08-Mar-07 FPSLUDGE	FPSLUDGE	0207)	0.01:ma/l	
oint)		EPA 160,3 M	J53423-5	07-Feb-07	08-Mar-07	FPSLUDGE	0207	72	%	
		CHAP7	J53423-5	07-Feb-07	08-Mar-07	FPSLUDGE	0207	^∩ 0	200: Dea. F	
		CHAP7 J53423-5	J53423-5	07-Feb-07	08-Mar-07	FPSLUDGE	0207	0 0	140 mg/kg	3
ø	106-46-7	SW846 8260B	J53423-5		08-Mar-07	FPSLUDGE	0207	0.0	0.005:mg/l	
ane	107-06-2	SW846 8260B	J53423-5	•	08-Mar-07	FPSLUDGE	0207	O o	0.005:ma/l	
	108-90-7	SW846 8260B	J53423-5	07-Feb-07	08-Mar-07	FPSLUDGE	0207	n o	0.005 mg/l	
	127-18-4	SW846 8260B	J53423-5	07-Feb-07	08-Mar-07	FPSLUDGE	0207	0 0	0.005:mg/l	
oride	56-23-5	SW846 8260B	J53423-5		08-Mar-07	FPSLUDGE	0207	O o	0.005 mg/l	
Chloroform	67-66-3	SW846 8260B	J53423-5	07-Feb-07	08-Mar-07	FPSLUDGE	0207	0.0078	0,005 mg/l	
	71-43-2	SW846 8260B	J53423-5	07-Feb-07	08-Mar-07	FPSLUDGE	0207	0.0	0.005 ma/l	
Vinyl chloride	75-01-4	SW846 8260B	J53423-5		08-Mar-07	FPSLUDGE	0207	ΩO	0.025 ma/l	
ø	75-35-4	SW846 8260B	J53423-5	07-Feb-07	08-Mar-07	FPSLUDGE	0207	0.0	0.005:ma/l	
2-Butanone (mek)	78-93-3	SW846 8260B:	J53423-5	07-Feb-07	08-Mar-07	FPSLUDGE	0207	0.0		
	79-01-6	SW846 8260B	J53423-5		08-Mar-07	FPSLUDGE	0207	0.0	0.005:ma/l	
Cyanide Reactivity		CHAP7	J53423-5	: -	08-Mar-07	FPSLUDGE	0207	0.0	6.9:ma/ka	
	7439-92-1	SW846 6010B	J53423-5		08-Mar-07	FPSLUDGE	0207	0 0	0.5 ma/l	
	7440-22-4	SW846 6010B	J53423-5		08-Mar-07	FPSLUDGE	0207	0.0	0.01:ma/l	
	7440-38-2	SW846 6010B	J53423-5	07-Feb-07	08-Mar-07	FPSLUDGE	0207	٥٥	0.5 mg/l	
Barium, Total	7440-39-3	SW846 6010B	J53423-5		08-Mar-07	FPSLUDGE	0207	4.3	1 mg/l	
Cadmlum, Total	7440-43-9	SW845 6010B	J53423-5	07-Feb-07	08-Mar-07	FPSLUDGE	0207	0.0		
Selenium, Total	7782-49-2	SW846 6010B	J53423-5	•	08-Mar-07	FPSLUDGE	0207	0.0		***************************************
Mercury, Total	7439-97-6	SW846 7470A	J53423-5	07-Feb-07	08-Mar-07	FPSLUDGE	0207	Ωo	0.0002 mg/l	***************************************
		CHAP7	J53423-5	07-Feb-07	08-Mar-07	FPSLUDGE	0207	O 0		
	7429-90-5	EPA 200.7	J53423-1F	07-Feb-07	08-Mar-07	SP114	0207	00	100 ug/l	
Aluminum, Dissolved	7429-90-5	7429-90-5 EPA 200.7	J53423-3F	07-Feb-07	08-Mar-07	SP219	0207	O O	100 ua/l	

DATA USABILITY SUMMARY REPORT FOR MARCH 2007 MONTHLY COMPLIANCE MONITORING

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

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

SUMMARY

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

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

"U" - not detected at the value given,

"UJ" - estimated and not detected at the value given,

"J" - estimated at the value given, and

"R" - unusable value.

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

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

VOLATILE ORGANIC ANALYSIS

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

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

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

INORGANIC AND OIL AND GREASE ANALYSIS

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

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

- Sample result verification
- Quantitation limits
- Data completeness

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

Analyte Tools Tools Market	02870			Date Sampled M. Sampled Location (depth)	Location depth	O HOLOG	Result Code	Cdebth no limited mass Delection leasing mans Delection leasing mans Delection leasing mans Delection leasing Delect
Total Organic Carbon		415.1/9060 M/5310B M	J55173-1	02-Mar-07IOF	0307		4.8	(imo//
Lead, Total	7439-92-1	EPA 200.7	J55173-1	02-Mar-07 OF	0307		3,8	3 ua/l
Total Phosphorus		EPA 365.3	J55173-1	02-Mar-07 OF	0307		0.13	0.05 ma/l
Nitrogen, Nitrate	14797-55-8	14797-55-8 EPA353.2/SM4500NOZB	J55173-1	02-Mar-07 OF	0307		1.4	0.11 ma/l
Nitrate/nitrite Nitrogen		EPA 353.2/LACHAT	J55173-1	02-Mar-07 OF	0307		1.4	0.1 ma/l
Solids, Total Suspended		EPA 160.2	J55173-1	02-Mar-07 OF	0307		9	4 ma/
Cyanide	57-12-5	EPA 335.3/LACHAT	J55173-1	02-Mar-07 OF	0307		ΠO	0.01 ma/l
Nitrogen, Nitrite	14797-65-0	14797-65-0 SM19 4500NO2B	J55173-1	02-Mar-07 OF	0307		00	0.01 mg/l
BOD, 5 Day		EPA 405.1/SM19 5210B	J55173-1	02-Mar-07 OF	0307		3.7	2 ma/l
Magnesium, Total	7439-95-4	EPA 200.7	J55173-1	02-Mar-07 OF	0307		ΩO	5000 ua/l
Silver, Total	7440-22-4	EPA 200.7	J55173-1	02-Mar-07 OF	0307		ΩO	10 00/
Arsenic, Total	7440-38-2	7440-38-2 EPA 200.7	J55173-1	02-Mar-07 OF	0307		n o	8 ug/l
Barium, Total	7440-39-3	7440-39-3 EPA 200.7	J55173-1	02-Mar-07 OF	0307		0	200 ua/l
Chromium, Total	7440-47-3	7440-47-3 EPA 200.7	J55173-1	02-Mar-07 OF	0307		no	10 00
Calcium, Total	7440-70-2	EPA 200.7	J55173-1	02-Mar-07 OF	0307		19300	5000 ua/l
Selenium, Total	7782-49-2	EPA 200.7	J55173-1	02-Mar-07 OF	0307		O O	10 ug/l
Solids, Total Dissolved		SM19 2540C,EPA 160.1	J55173-1	02-Mar-07 OF	0307		62	10 ma/l
Mercury, Total	7439-97-6	EPA 245.1	J55173-1	02-Mar-07 OF	0307		ΩO	0.2 uq/l
Chemical Oxygen Demand		HACH 8000/EPA 410.1M	J55173-1	02-Mar-07 OF	0307		44.6	20 mg/l
Oll And Grease		EPA 1664A	J55173-1	02-Mar-07 OF	0307		0	5 mg/l
Nitrogen, Total Kjeldahl		EPA 351.2/LACHAT	J55173-1	02-Mar-07 OF	0307		0.8	0.2 mg/l
Magnesium, Dissolved	7439-95-4	7439-95-4 EPA 200.7	J55173-1F	02-Mar-07 OF	0307		ne	5000 110/

	2017	The little little	Lausell July				5107			2000
Ethylbenzene	100-41-4	EPA 624	J55629-2	08-Mar-07	20-Apr-07	SP217	0307	٥٥	1:ug/l	
cis-1,3-Dichloropropene	10061-01-5	EPA 624	J55629-2	08-Mar-07	20-Apr-07	SP217	0307	Ω°	1:00/	
rans-1,3-Dichloropropene	10061-02-6	EPA 624	J55629-2	08-Mar-07	20-Apr-07	SP217	0307) 0	1.ug/	
1,4-Dichlorobenzene	106-46-7	EPA 624	J55629-2	08-Mar-07	20-Apr-07	SP217	7050	0.0	1,00/	
1,2-Dichloroethane	107-06-2	EPA 624	J55629-2	08-Mar-07	20-Apr-07	SP217	0307	0.0	1.09/	
Toluene	108-88-3	EPA 624	J55629-2	08-Mar-07	20-Apr-07	SP217	0307	<u> </u>	1 ug/l	
Chlorobenzene	108-90-7	EPA 624	J55629-2	08-Mar-07	20-Apr-07	SP217	0307	0 0	1:00/	
Dibromochloromethane	124-48-1	EPA 624	J55629-2	08-Mar-07	20-Apr-07	SP217	0307	٥٥	1 ua/l	
Tetrachloroethene	127-18-4	EPA 624	J55629-2	08-Mar-07	20-Apr-07	SP217	0307	Ω°	1,00/	
Xylenes (total)	1330-20-7	EPA 624	J55629-2	08-Mar-07	20-Apr-07	SP217	0307	0.0	1,00,1	
cis-1,2-Dichloroethene	156-59-2	EPA 624	J55629-2	08-Mar-07	20-Apr-07	SP217	0307	0.92 J	1 ug/l	
rans-1,2-Dichloroethene	156-60-5	EPA 624	J55629-2	08-Mar-07	20-Apr-07	SP217	7050	0.0	1 ug/l	
1,3-Dichlorobenzene	541-73-1	EPA 624	J55629-2	08-Mar-07	20-Apr-07	SP217	0307	Ω°	1 40/	
Carbon tetrachloride	56-23-5	EPA 624	. J55629-2	08-Mar-07	20-Apr-07	SP217	0307	O o	1 ug/l	
Chloroform	67-66-3	EPA 624	J55629-2	08-Mar-07	20-Apr-07	SP217	0307	1.4	1 ug/l	4
Benzene	71-43-2	EPA 624	J55629-2	08-Mar-07	20-Apr-07	SP217	0307	0.0	1 ug/l	
1,1,1-Trichloroethane	71-55-6	EPA 624	J55629-2	08-Mar-07	20-Apr-07	SP217	0307	n o	1'ug/l	
Methyl bromide	74-83-9	EPA 624	J55629-2	08-Mar-07	20-Apr-07	SP217	0307	O.O.	1 ug/l	
Chloromethane	74-87-3	EPA 624	J55629-2	08-Mar-07	20-Apr-07	SP217	0307	٥٥	1 ug/l	
Chloroethane	75-00-3	EPA 624	J55629-2	08-Mar-07	20-Apr-07	SP217	7050	0.0	1 ug/l	
Vinyl chloride	75-01-4	EPA 624	J55629-2	08-Mar-07	20-Apr-07	SP217	0307	0.0	2.ug/l	
Methylene chloride	75-09-2	EPA 624	J55629-2	08-Mar-07	20-Apr-07	SP217	0307	٥٥	1 ug/l	***************************************
Вготобогт	75-25-2	EPA 624	J55629-2	08-Mar-07	20-Apr-07	SP217	0307	0.0	1 ug/l	
Bromodichloromethane	75-27-4	EPA 624	J55629-2	08-Mar-07	20-Apr-07	SP217	0307	0.69.0	1 ug/l	
1,1-Dichloroethane	75-34-3	EPA 624	J55629-2	08-Mar-07	20-Apr-07	SP217	0307	21	1 ug/l	
1,1-Dichloraethene	75-35-4	EPA 624	. J55629-2	08-Mar-07	20-Apr-07	SP217	0307	n o	1 ug/l	
Trichlorofluoromethane	75-69-4	EPA 624	J55629-2	08-Mar-07	20-Apr-07	SP217	0307	O o	2.ug/l	
Dichlorodifluoromethane	75-71-8	EPA 624	J55629-2	08-Mar-07	20-Apr-07	SP217	0307	O.O.	2 ug/l	***************************************
1,2-Dichloropropane	78-87-5	EPA 624	J55629-2	08-Mar-07	20-Apr-07	SP217	0307	Ω°	1 ug/l	
1,1,2-Trichloroethane	79-00-5	EPA 624	J55629-2	08-Mar-07	20-Apr-07	SP217	0307	∩ •	1 ug/l	
Trichloroethene		EPA 624	J55629-2	08-Mar-07	20-Apr-07	SP217	0307	Ω°	1 ug/l	
1,1,2,2-Tetrachloroethane	••••	EPA 624	J55629-2	08-Mar-07	20-Apr-07	SP217	0307	<u> </u>	1 ug/l	
1.2-Dichlorobenzene	95-50-1	FPA 624	. 155629-2	OR-Mar.07	20 411 07	. PD047	7000	- 1.0		

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Ethylbenzene	100-41-4	EPA 624	J55629-3	08-Mar-07	20-Apr-07	SP219	0307	ე0		\$4000000000000000000000000000000000000
cis-1,3-Dichloropropene	10061-01-5	EPA 624	J55629-3	08-Mar-07	20-Apr-07	SP219	0307	<u> </u>	1,00/	
trans-1,3-Dichloropropene	• • • • • •	EPA 624	J55629-3	08-Mar-07	20-Apr-07	SP219	0307	Ωo	, r	
1,4-Dichlorobenzene	106-46-7	EPA 624	J55629-3	08-Mar-07	20-Apr-07	SP219	0307	110	, T	
1,2-Dichloroethane	107-06-2	EPA 624	J55629-3	08-Mar-07	20-Apr-07	SP219	0307		1 ua/	
Toluene	108-88-3	EPA 624	J55629-3	08-Mar-07	20-Apr-07	SP219	0307		/ no/	
Chlorobenzene	108-90-7	EPA 624	J55629-3	08-Mar-07	20-Apr-07	SP219	0307	n o	1,00/	
Dibromochloromethane	124-48-1	EPA 624	J55629-3	08-Mar-07	20-Apr-07	SP219	0307	Πο	1.110/1	
Tetrachloroethene	127-18-4	EPA 624	J55629-3	08-Mar-07	20-Apr-07	SP219	0307	0.0	1.00/	
Xylenes (total)	1330-20-7	EPA 624	J55629-3	08-Mar-07	20-Apr-07	SP219	0307	0 0	1 00/1	
cis-1,2-Dichloroethene	156-59-2	EPA 624	J55629-3	08-Mar-07	20-Apr-07	SP219	0307	0.56 J	1.00/	
trans-1,2-Dichloroethene	156-60-5	EPA 624	J55629-3	08-Mar-07	20-Apr-07	SP219	0307	Ωo	1 00/	
1,3-Dichlorobenzene	541-73-1	EPA 624	J55629-3	08-Mar-07	20-Apr-07	SP219	0307	0	1 ua/	***************************************
Carbon tetrachloride	56-23-5	EPA 624	J55629-3	08-Mar-07	20-Apr-07	SP219	0307	0.0	1 ua/l	***************************************
Chlaroform	67-66-3	EPA 624	J55629-3	08-Mar-07	20-Apr-07	SP219	0307	1.3	1 ua/	
Benzene	71-43-2	EPA 624	J55629-3	08-Mar-07	20-Apr-07	SP219	0307	n o	1 ua/l	
1,1,1-Trichloroethane	71-55-6	EPA 624	J55629-3	08-Mar-07	20-Apr-07	SP219	0307	0.41.J	Ven.	***************************************
Methyl bromide	74-83-9	EPA 624	J55629-3	08-Mar-07	20-Apr-07	SP219	0307) 0	1.00/	***************************************
Chloromethane	74-87-3	EPA 624	J55629-3	08-Mar-07	20-Apr-07	SP219	0307	20	1:00/1	
Chloroethane	75-00-3	EPA 624	J55629-3	08-Mar-07	20-Apr-07	SP219	0307	0.0	1 00/1	
Vinyl chloride	75-01-4	EPA 624	J55629-3	08-Mar-07	20-Apr-07	SP219	0307	0.76 J	2 ug/l	
Methylene chloride	75-09-2		J55629-3	08-Mar-07	20-Apr-07	SP219	0307	٥	1 ug/l	
Вготобогт	75-25-2	EPA 624	J55629-3	08-Mar-07	20-Apr-07	SP219	0307) 0	1 ug/l	
Bromodichloromethane	75-27-4	EPA 624	J55629-3	08-Mar-07	20-Apr-07	SP219	0307	0.0	/Bn L	7
1,1-Dichloroethane		EPA 624	J55629-3	08-Mar-07	20-Apr-07	SP219	0307	3.8	1 ug/	***************************************
1,1-Dichloroethene	75-35-4	EPA 624	J55629-3	08-Mar-07	20-Apr-07	SP219	0307	∩ 0	1 ug/l	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
Trichlorofluoromethane	75-69-4	EPA 624	J55629-3	08-Mar-07	20-Apr-07	SP219	0307	⊃0	Zug/	
Dichlorodifluoromethane	75-71-8		J55629-3	08-Mar-07	20-Apr-07	SP219	0307	٥٥	2 ug/l	
1,2-Dichloropropane	78-87-5	EPA 624	J55629-3	08-Mar-07	20-Apr-07	SP219	0307	O O	1 ua/l	***************************************
1,1,2-Trichloroethane	79-00-5	EPA 624	J55629-3	08-Mar-07	20-Apr-07	SP219	0307	0.0	1 119/	***************************************
Trichloroethene		EPA 624	. J55629-3	08-Mar-07	20-Apr-07	SP219	0307	O O	1 ug/l	
1,1,2,2-Tetrachloroethane		EPA 624	J55629-3	08-Mar-07	20-Apr-07	SP219	0307	O O	1 ug/l	
1,2-Dichlorobenzene	95-50-1	EPA 624	J55629-3	08-Mar-07	20-Apr-07	SP219	0307	0.0	1 ug/l	
Cyanide	57-12-5	EPA 335.3/LACHAT	J55629-3	08-Mar-07	20-Apr-07	SP219	0307	0.0	0.01 mg/l	
Aluminum, Total	7429-90-5	EPA 200.7	J55629-3	08-Mar-07	20-Apr-07	SP219	0307	o O	100 ug/l	
Iron, Total	7439-89-6	EPA 200.7	: J55629-3	08-Mar-07	20-Apr-07	SP219	0307	∩ °	100 ug/l	
Lead, Total	7439-92-1	EPA 200.7	J55629-3	08-Mar-07	20-Apr-07	SP219	0307	ΩO	3 ua/l	
Nickel, Total	7440-02-0	EPA 200.7	J55629-3	08-Mar-07	20-Apr-07	SP219	0307	٥٥	40 ug/l	
Arsenic, Total	7440-38-2	EPA 200.7	J55629-3	08-Mar-07	20-Apr-07	SP219	0307	0.0	8 ug/l	
Chromium, Total	7440-47-3	EPA 200.7	J55629-3	08-Mar-07	20-Apr-07	SP219	0307	٥٥	10 ug/l	
Copper, Total	7440-50-8	EPA 200.7	J55629-3	08-Mar-07	20-Apr-07	SP219	0307	٥٥	25 ug/l	***************************************
Zinc, Total	7440-66-6	EPA 200.7	J55629-3	08-Mar-07	20-Apr-07	SP219	0307	٥٥	20 ug/l	
Oil And Grease	.,	EPA 1664A	J55629-3	08-Mar-07	20-Apr-07	SP219	0307) 0	5.1 ma/l	

Analyte	casno	Method	Labsampid	Date Sampled	Validation Date		Location	Result Code Rt.	R. Unit	Units Valid Result Valid Code	Valid Code
Ethylbenzene	100-41-4	EPA 624	J55629-4	08-Mar-07	20-Apr-07	¥	TRIP BLANK	0.0	1:ua/		
cis-1,3-Dichloropropene	10061-01-5	EPA 624	J55629-4	08-Mar-07	20-Apr-07	¥ N	TRIP BLANK	٥٥	1 ug/l		
trans-1,3-Dichloropropene	10061-02-6	EPA 624	J55629-4	08-Mar-07	20-Apr-07	ž	TRIP BLANK	٥	1 ug/l		
1,4-Dichlorobenzene	106-46-7	EPA 624	J55629-4	08-Mar-07	20-Apr-07	ž	TRIP BLANK	0 0	1 ug/l		
1,2-Dichloroethane	107-06-2	EPA 624	J55629-4	08-Mar-07	20-Apr-07	¥	TRIP BLANK	٥٥	1 ug/l		***************************************
Toluene	108-88-3	EPA 624	J55629-4	08-Mar-07	20-Apr-07	Š	TRIP BLANK	Ωo	1 ug/l		
Chlorobenzene	108-90-7	EPA 624	J55629-4	08-Mar-07	20-Apr-07	¥	TRIP BLANK	0.0	1 ug/l		
Dibromochloromethane	124-48-1	EPA 624	J55629-4	08-Mar-07	20-Apr-07	NS	TRIP BLANK	U 0	1 ua/		
Tetrachloroethene	127-18-4	EPA 624	J55629-4	08-Mar-07	20-Apr-07	ZNO	TRIP BLANK	Λο	1 uo/[
Xylenes (total)	1330-20-7	EPA 624	J55629-4	08-Mar-07	20-Apr-07	Š	TRIP BLANK	Ωo	1,001		
cis-1,2-Dichloroethene	156-59-2	EPA 624	J55629-4	08-Mar-07	20-Apr-07	Š	TRIP BLANK	∩ o	/on t		
trans-1,2-Dichloroethene	156-60-5	EPA 624	J55629-4	08-Mar-07	20-Apr-07	ZNO	TRIP BLANK	n o	1 ug/l		
1,3-Dichlorobenzene	541-73-1	EPA 624	J55629-4	08-Mar-07	20-Apr-07	Š	TRIP BLANK	٥٥	1 La/		~~~
Carbon tetrachloride	56-23-5	EPA 624	J55629-4	08-Mar-07	20-Apr-07	Š	TRIP BLANK	∩ o	1 40/		
Chloroform	67-66-3	EPA 624	J55629-4	08-Mar-07	20-Apr-07	Š	TRIP BLANK	0.0	1 ug/		
Benzene	71-43-2	EPA 624	J55629-4	08-Mar-07	20-Apr-07	¥	TRIP BLANK	ΩO	750,1		
1,1,1-Trichloroethane	71-55-6	EPA 624	J55629-4	08-Mar-07	20-Apr-07	Š	TRIP BLANK	n o	1/Bn L		
Methyl bromide	74-83-9	EPA 624	J55629-4	08-Mar-07	20-Apr-07	Š	TRIP BLANK) 0	1 ug/l		
Chloromethane	74-87-3	EPA 624	J55629-4	08-Mar-07	20-Apr-07	Š	TRIP BLANK	∩ o	1 ug/l		
Chloroethane	75-00-3	EPA 624	J55629-4	08-Mar-07	20-Apr-07	Š	TRIP BLANK	O 0	1 ug/l		
Vinyl chloride	75-01-4	EPA 624	J55629-4	08-Mar-07	20-Apr-07	Ž	TRIP BLANK	0.0	2 ug/l		***************************************
Methylene chloride	75-09-2	EPA 624	J55629-4	08-Mar-07	20-Apr-07	ž	TRIP BLANK	n o	1 ug/		
Вготобогт	75-25-2	EPA 624	J55629-4	08-Mar-07	20-Apr-07	Š	TRIP BLANK) 0	1 ug/l		
Bromodichloromethane	75-27-4	EPA 624	J55629-4	08-Mar-07	20-Apr-07	Ž	TRIP BLANK	O o	1 ug/		
1,1-Dichloroethane	75-34-3	EPA 624	J55629-4	08-Mar-07	20-Apr-07	ZY	TRIP BLANK) 0	1 ug/l		
1,1-Dichloroethene	75-35-4	EPA 624	155629-4	08-Mar-07	20-Apr-07	ž	TRIP BLANK	∩ ₀	1 ug/		
Trichlorofluoromethane	75-69-4	EPA 624	J55629-4	08-Mar-07	20-Apr-07	Š	TRIP BLANK	∩•	2 ug/l		
Dichlorodifluoromethane	75-71-8	EPA 624	J55629-4	08-Mar-07	20-Apr-07	Š	TRIP BLANK	n o	2 ug/l		
1,2-Dichloropropane	78-87-5	EPA 624	J55629-4	08-Mar-07	20-Apr-07	Š	TRIP BLANK	∩ 0	1.ug/l		
1,1,2-Trichloroethane	79-00-5	EPA 624	J55629-4	08-Mar-07	20-Apr-07	Z	TRIP BLANK	∩ o	1 ug/l		
Trichloroethene	79-01-6	EPA 624	J55629-4	08-Mar-07	20-Apr-07	Š	TRIP BLANK) 0	1 ug/l		
1,1,2,2-Tetrachloroethane		EPA 624	J55629-4	08-Mar-07	20-Apr-07	Š	TRIP BLANK	⊃°	1 ug/l		
1,2-Dichlorobenzene	95-50-1	EPA 624	J55629-4	08-Mar-07	20-Apr-07	Š	TRIP BLANK	∩ 0	1 49/		

					Vallualium vale		Location	Kesuit Code		「日こここの日本人
	7429-90-5	EPA 200.7	J55629-1F	08-Mar-07	20-Apr-07	SP114	0307	0.0	100 ug/l	
Aluminum, Dissolved	7429-90-5	EPA 200.7	J55629-3F	08-Mar-07	20-Apr-07	SP219	0307	٥٥	100 ug/l	*******
Ethylbenzene	100-41-4	EPA 624	J55629-1	08-Mar-07	20-Apr-07	SP114	0307	4.2	1 ug/l	
cis-1,3-Dichloropropеле	10061-01-5	EPA 624	J55629-1	08-Mar-07	20-Apr-07	SP114	0307	O O	1 ug/l	
trans-1,3-Dichloropropene :10061-02-6	10061-02-6	EPA 624	J55629-1	08-Mar-07	20-Apr-07	SP114	0307	٥٥	1 ug/l	
1,4-Dichlorabenzene	106-46-7	EPA 624	J55629-1	08-Mar-07	20-Apr-07	SP114	0307	٥	1:ug/l	
1,2-Dichloroethane	107-06-2	EPA 624	J55629-1	08-Mar-07	20-Apr-07	SP114	0307	0.0	1 ug/l	
Toluene		EPA 624	J55629-1	08-Mar-07	20-Apr-07	SP114	0307	6.5	1 ug/l	
Chlorobenzene	108-90-7	EPA 624	J55629-1	08-Mar-07	20-Apr-07	SP114	0307	0.0	1 100/	***
		EPA 624	J55629-1	08-Mar-07	20-Apr-07	SP114	0307	0	1 ug/	
Tetrachloroethene	127-18-4	EPA 624	J55629-1	08-Mar-07	20-Apr-07	SP114	0307	٥	1:ug/l	
Xylenes (total)	1330-20-7	EPA 624	J55629-1	08-Mar-07	20-Apr-07	SP114	0307	9.3	1 /5n 1	
cis-1,2-Dichloroethene	156-59-2	EPA 624	J55629-1	08-Mar-07	20-Apr-07	SP114	0307	16.5	1 ug/l	
trans-1,2-Dichloroethene	156-60-5	EPA 624	. J55629-1	08-Mar-07	20-Apr-07	SP114	0307	0.66 J	1 ug/l	
1,3-Dichlorobenzene	541-73-1	EPA 624	J55629-1	08-Mar-07	20-Apr-07	SP114	0307) 0	1 ug/	
achloride	56-23-5	EPA 624	J55629-1	08-Mar-07	20-Apr-07	SP114	0307) 0	1, ug/l	
Chloraform	67-66-3	EPA 624	J55629-1	08-Mar-07	20-Apr-07	SP114	0307	∩ o	1:ug/l	
Benzene	71-43-2	EPA 624	J55629-1	08-Mar-07	20-Apr-07	SP114	0307	76.5	1 ug/l	
	71-55-6	EPA 624	J55629-1	08-Mar-07	20-Apr-07	SP114	0307	6.5	1 ug/l	
Methyl bromide	74-83-9	EPA 624	J55629-1	08-Mar-07	20-Apr-07	SP114	0307	O o	1 ug/l	
Chloromethane	74-87-3	EPA 624	J55629-1	08-Mar-07	20-Apr-07	SP114	0307	0.0	1 ug/l	
Chloroethane	75-00-3	EPA 624	J55629-1	08-Mar-07	20-Apr-07	SP114	0307	Ω.	1/gu/1	
Vinyl chloride	** ** * ;	EPA 624	J55629-1	08-Mar-07	20-Apr-07	SP114	0307	64.7	2 ug/l	
Methylene chloride	75-09-2	EPA 624	J55629-1	08-Mar-07	20-Apr-07	SP114	7060	0.0	1 ug/l	
Вготогот	75-25-2	EPA 624	J55629-1	08-Mar-07	20-Apr-07	SP114	0307) 0	1'ug/l	
Bromodichloromethane	75-27-4	EPA 624	J55629-1	08-Mar-07	20-Apr-07	SP114	0307	n o	fugA	
1,1-Dichloroethane	75-34-3	EPA 624	J55629-1	08-Mar-07	20-Apr-07	SP114	0307	15	1 ug/l	
1,1-Dichloroethene	75-35-4	EPA 624	J55629-1	08-Mar-07	20-Apr-07	SP114	0307	20	1 lug/l	
Trichloroffuoromethane	75-69-4	EPA 624	J55629-1	08-Mar-07	20-Apr-07	SP114	0307	∩ o	2.ug/l	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
Dichlorodifluoromethane	75-71-8	EPA 624	J55629-1	08-Mar-07	20-Apr-07	SP114	0307	∩.º	2 ug/l	**************************************
1,2-Dichloropropane	78-87-5	EPA 624	J55629-1	08-Mar-07	20-Apr-07	SP114	0307	∩.0	1 ug/l	
1,1,2-Trichloroethane	79-00-5	EPA 624	J55629-1	08-Mar-07	20-Apr-07	SP114	0307	<u>∩</u> •	/on L	***************************************
Trichloroethene	79-01-6	EPA 624	J55629-1	08-Mar-07	20-Apr-07	SP114	0307	∩.o	1 ug/l	
1,1,2,2-Tetrachloroethane	•••••	EPA 624	J55629-1	08-Mar-07	20-Apr-07	SP114	0307	0.0	1 ug/l	
1,2-Dichlorobenzene	95-50-1	EPA 624	J55629-1	08-Mar-07	20-Apr-07	SP114	0307	O.o	1:ug/l	
Aluminum, Total	7429-90-5	EPA 200.7	. J55629-1	08-Mar-07	20-Apr-07	SP114	0307	O o	100 ug/l	
		EPA 200.7	J55629-1	08-Mar-07	20-Apr-07	SP114	0307	47900	100 ug/l	
Lead, Total	7439-92-1	EPA 200.7	J55629-1	08-Mar-07	20-Apr-07	SP114	0307	O o	3.ug/l	
	7440-02-0	EPA 200.7	J55629-1	08-Mar-07	20-Apr-07	SP114	0307	0.0	40 ug/l	
Arsenic, Total	7440-38-2	EPA 200.7	J55629-1	08-Mar-07	20-Apr-07	SP114	0307	108	8 ug/l	
ial i	7440-47-3	EPA 200.7	J55629-1	08-Mar-07	20-Apr-07	SP114	0307	∩ o	10 ug/l	
Copper, Total	7440-50-8	EPA 200.7	J55629-1	08-Mar-07	20-Apr-07	SP114	0307	∩ o	25 ug/l	
Zinc, Total	7440-66-6	EPA 200.7	J22629-1	08-Mar-07	20-Apr-07	SP114	2000	<u></u>	20 ug/l	

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DATA USABILITY SUMMARY REPORT FOR APRIL 2007 MONTHLY COMPLIANCE MONITORING

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

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

SUMMARY

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

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

"U" - not detected at the value given,

"UJ" - estimated and not detected at the value given,

"J" - estimated at the value given, and

"R" - unusable value.

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

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

VOLATILE ORGANIC ANALYSIS

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

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

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

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

INORGANIC AND OIL AND GREASE ANALYSIS

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

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

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

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

10 01							1			
Ethylbenzene	100-41-4		J58568-1	12-Apr-07	06-May-07	SP114	0407	8.7	l'gu:	••••
cis-1,3-Dichloropropene	10061-01-5	5 EPA 624	J58568-1	12-Apr-07	06-May-07	SP114	0407	n o	1 ug/l	
trans-1,3-Dichloropropene 10061-02-6 EPA 624	3 10061-02-E	EPA 624	J58568-1	12-Apr-07	06-May-07	SP114	0407	O O	1:ug/l	
1,4-Dichlorobenzene	106-46-7	EPA 624	J58568-1	12-Apr-07	06-May-07	SP114	0407	0.0	1 ua/l	
,2-Dichloroethane	•	EPA 624	J58568-1	12-Apr-07	06-May-07	SP114	0407	0.0	1 ug/l	
oluene		EPA 624	J58568-1	12-Apr-07	06-May-07	SP114	0407	7.2	1 ug/l	***************************************
Chlorobenzene		EPA 624	J58568-1	12-Apr-07	06-May-07	SP114	0407	0.53 J	1'gu!	***************************************
Dibromochloromethane	124-48-1	EPA 624	J58568-1	12-Apr-07	06-May-07	SP114	0407	Oïo	1 ug/l	***************************************
Tetrachloroethene		EPA 624	J58568-1	12-Apr-07	06-May-07	SP114	0407	Ω°	1,ug/l	***************************************
Xylenes (total)	••••	EPA 624	J58568-1	12-Apr-07	06-May-07	SP114:	0407	6.8	1,00/l	
cis-1,2-Dichloroethene	156-59-2	EPA 624	J58568-1	12-Apr-07	06-May-07	SP114	0407	16.9	1 ug/l	***************************************
tans-1,2-Dichloroethene	156-60-5	EPA 624	J58568-1	12-Apr-07	06-May-07	SP114	0407	0.72 J	7007	***************************************
I,3-Dichlorobenzene	541-73-1	EPA 624	J58568-1	12-Apr-07	06-May-07	SP114	0407	O O	1:ug/l	***************************************
Carbon tetrachloride	56-23-5	EPA 624	J58568-1	12-Apr-07	06-May-07	SP114	0407	0,0	1,00,1	***************************************
Chloraform		EPA 624	J58568-1	12-Apr-07	06-May-07	SP114	0407	٥٥	1:44/	***************************************
Benzene	:71-43-2	EPA 624	J58568-1	12-Apr-07	06-May-07	SP114	0407	89.2	1,00/	***************************************
1,1,1-Trichloroethane	71-55-6	EPA 624	J58568-1	12-Apr-07	06-May-07	SP114	0407	4.2	1 ug/l	
Methyl bromide	74-83-9	EPA 624	J58568-1	12-Apr-07	06-May-07	SP114	0407	O O	1 ug/	***************************************
Chloromethane	74-87-3	EPA 624	J58568-1	12-Apr-07	06-May-07	SP114	0407	0.0	1:ug/l	
Chloroethane	75-00-3	EPA 624	J58568-1	12-Apr-07	06-May-07	SP114	0407	10.	l/gu:	***************************************
Vinyl chloride	75-01-4	EPA 624	J58568-1	12-Apr-07	06-May-07	SP114	0407	64.3	2 ug/l	
Methylene chloride		EPA 624	J58568-1	12-Apr-07	06-May-07	SP114	0407	n o	1; ug/l	***************************************
Bromoform	75-25-2	EPA 624	358568-1	12-Apr-07	06-May-07	SP114	0407	∩0	/ng/	
Bromodichloromethane	75-27-4	EPA 624	J58568-1	12-Apr-07	08-May-07	SP114	0407) 0	1 ug/l	
,1-Dichloroethane		EPA 624	J58568-1	12-Apr-07	06-May-07	SP114	0407	25.4	1 ug/l	
,1-Dichloroethene	75-35-4	EPA 624	J58568-1	12-Apr-07	06-May-07	SP114	0407	Ωo	1 ug/l	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
l richlorofluoromethane	75-69-4	EPA 624	J58568-1	12-Apr-07	06-May-07	SP114	0407	O o	2 ug/l	
Dichlorodifluoromethane	75-71-8	EPA 624	J58568-1	12-Apr-07	06-May-07	SP114	0407	∩ o	2:ug/l	
,2-Dichloropropane	:78-87-5	EPA 624	. J58568-1	12-Apr-07	06-May-07	: SP114	0407	Ωo	1 ug/l	
1,1,2-Trichloroethane	79-00-5	EPA 624	. J58568-1	12-Apr-07	06-May-07	SP114	0407	n o	1100/1	
Trichloroethene	79-01-6	EPA 624	J58568-1	12-Apr-07	06-May-07	SP114	0407	0.48 J	1 ug/l	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
1,1,2,2-Tetrachloroethane	79-34-5	EPA 624	J58568-1	12-Apr-07	06-May-07	SP114	0407	O O	1 ug/l	**************************************
1,2-Dichlorobenzene		EPA 624	J58568-1	12-Apr-07	06-May-07	SP114	0407	n o	1 ug/l	
Aluminum, Total	7429-90-5	EPA 200.7	J58568-1	12-Apr-07	06-May-07	SP114	0407	n o	100; ug/l	***************************************
	7439-89-6	EPA 200.7	J58568-1	12-Apr-07	06-May-07	SP114	0407	52600	100 ug/l	
		EPA 200.7	J58568-1	12-Apr-07	06-May-07	SP114	0407	Ωo	3 ug/l	
		EPA 200.7	J58568-1	12-Apr-07	06-May-07	SP114	0407	Λo	40 ug/l	
Arsenic, Total		EPA 200.7	J58568-1	12-Apr-07	06-May-07	SP114	0407	102	Bing/	
lai.	••••	EPA 200.7	J58568-1	12-Apr-07	06-May-07	SP114	0407	Ωö	10:ug/l	***************************************
Copper, Total		EPA 200.7	J58568-1	12-Apr-07	06-May-07	SP114	0407	n o	25:ug/l	
inc. Total	7440-66-B	FPA 200 7	. 150560 4		************************	***************************************				

Analyte	69500	Memod	Labsampld		Validation Datel Sample	Cample		Result Gode		RL Units Valid Restift Valid Code
Ethylbenzene	100-41-4		J58568-2	12-Apr-07	06-May-07	SP217	0307		¥	
cis-1,3-Dichloropropene	10061-01-5	-5 EPA 624	J58568-2	12-Apr-07	06-May-07	SP217	0307	ΩO	1:ug/l	
trans-1,3-Dichloropropene 10061-02-6	10061-02		J58568-2	12-Apr-07	06-May-07	SP217	0307	ΩO	1 ug/l	
1,4-Dichlorobenzene	106-46-7	EPA 624	J58568-2	12-Apr-07	06-May-07	SP217	0307	ΩO	1 ug/l	
1,2-Dichloroethane	:107-06-2	EPA 624	J58568-2	12-Apr-07	06-May-07	SP217	0307	ΩO	Tug/l	
loluene	108-88-3	EPA 624	J58568-2	12-Apr-07	06-May-07	SP217	0307	no	1 ug/l	***************************************
Chlorobenzene	108-90-7	EPA 624	J58568-2	12-Apr-07	06-May-07	SP217	0307	ΠO	1 ug/l	
Dibromochloromethane	••••	EPA 624	J58568-2	12-Apr-07	06-May-07	SP217	0307	n o	1 ug/l	
	•••••	EPA 624	J58568-2	12-Apr-07	06-May-07	SP217	0307	ΩO	1 ug/l	
Xylenes (total)	1330-20-7		J58568-2	12-Apr-07	06-May-07	SP217	0307	Πo	1 ug/l	
cis-1,2-Dichloroethene	156-59-2		J58568-2	12-Apr-07	06-May-07	SP217	0307	0.84 J	1 ug/l	
trans-1,2-Dichloroethene	156-60-5	EPA 624	J58568-2	12-Apr-07	06-May-07	SP217	0307	na	1 ug/l	
1,3-Dichlorobenzene	541-73-1	EPA 624	J58568-2	12-Apr-07	06-May-07	SP217	0307	ΩO	1 ug/l	***************************************
Carbon tetrachloride	56-23-5	EPA 624	J58568-2	12-Apr-07	06-May-07	SP217	0307	n o	1/6n L	
Chloroform	67-66-3	EPA 624	J58568-2	12-Apr-07	06-May-07	SP217	0307	1.4	1:ug/l	
Benzene	71-43-2	EPA 624	J58568-2	12-Apr-07	06-May-07	SP217	0307	O o	1 ug/l	
1,1,1-Trichloroethane	71-55-6	EPA 624	J58568-2	12-Apr-07	06-May-07	SP217	0307	0.29 J	1:ug/l	
Methyl bromide	74-83-9	EPA 624	J58568-2	12-Apr-07	06-May-07	SP217	0307	Ωo	1 ug/l	Û
Chloromethane	74-87-3	EPA 624	J58568-2	12-Apr-07	06-May-07	SP217	0307	Ω°	1: 40/	
Chloroethane	75-00-3	EPA 624	J58568-2	12-Apr-07	06-May-07	SP217	0307	O O	1:ug/	77 . 77
Vinyl chloride	75-01-4	EPA 624	J58568-2	12-Apr-07	06-May-07	SP217	0307	ΩO	2:ug/l	Ŋ
Methylene chlaride	75-09-2	EPA 624	. J58568-2	12-Apr-07	06-May-07	SP217	0307	Λο	1 ug/l	
Вготобогт	75-25-2	EPA 624	J58568-2	12-Apr-07	06-May-07	SP217	0307	n o	1 ug/l	***************************************
Bromodichloromethane	75-27-4	EPA 624	J58568-2	12-Apr-07	06-May-07	SP217	0307	0.4 J	1:ug/l	
1,1-Dichloroethane	75-34-3	EPA 624	J58568-2	12-Apr-07	06-May-07	SP217	0307	2.8	1 ug/l	
1,1-Dichloroethene	75-35-4	EPA 624	J58568-2	12-Apr-07	06-May-07	SP217	0307	no O	1:ug/l	
Trichlorofluoromethane	75-69-4	EPA 624	J58568-2	12-Apr-07	06-May-07	SP217	0307	Ωo	Zug/l	
Dichlorodifluoromethane	75-71-8	EPA 624	J58568-2	12-Apr-07	06-May-07	SP217	0307	Ωø	2:ug/l	
1,2-Dichloropropane	78-87-5	EPA 624	J58568-2	12-Apr-07	06-May-07	SP217	0307	n o	1 ug/l	
1,1,2-Trichloroethane	79-00-5	EPA 624	J58568-2	12-Apr-07	06-May-07	SP217	0307	no	1 ug/l	
Trichloroethene	79-01-6	EPA 624	J58568-2	12-Apr-07	06-May-07	SP217	0307	n o	1 ug/l	
1,1,2,2-Tetrachloroethane 79-34-5	79-34-5	EPA 624	J58568-2	12-Apr-07	06-May-07	SP217	0307	חם	1 ug/l	
1,2-Dichlorobenzene	95-50-1	EPA 624	J58568-2	12-Apr-07	06-May-07	SP217	0307	Ŋ	1 ug/	***************************************

2 of 4

	7 007	TOLTAN					377			
Ethylbenzene	100-41-4	EPA	J58568-3	12-Apr-07	06-May-07	SP219	0307		-	/bn
is-1,3-Dichloropropene	10061-01-5	EPA 624	J58568-3	12-Apr-07	05-May-07	SP219	0307	0.0	J'on:L	······································
trans-1,3-Dichloropropene: 10061-02-6	10061-02-6	EPA 624	J58568-3	12-Apr-07	06-May-07	SP219	0307	0.0	1:00/	
1,4-Dichlorobenzene	e :106-46-7	EPA 624	J58568-3	12-Apr-07	08-May-07	SP219	0307	0.0	1,00/L	
1,2-Dichloroethane	107-06-2	EPA 624	J58568-3	12-Apr-07	06-May-07	SP219	0307	Ωo	1 uo/l	
Toluene 108-88-3		EPA 624	J58568-3	12-Apr-07	06-May-07	SP219	0307	no.	1 uo/l	
Chlarobenzene		EPA 624	J58568-3	12-Apr-07	05-May-07	SP219	0307	Ωø	1 ug/l	***************************************
Dibromochloromethane		EPA 624	J58568-3	12-Apr-07	06-May-07	SP219	0307	ΩO	1/0n:	
ene	127-18-4	EPA 624	J58568-3	12-Apr-07	06-May-07	SP219	0307	no .	1:ug/l	
	1330-20-7	EPA 624	J58568-3	12-Apr-07	06-May-07	SP219	0307	O O	1 uo/l	
	156-59-2	EPA 624	J58568-3	12-Apr-07	06-May-07	SP219	0307	0.58 J	1,00,1	
trans-1,2-Dichloroethene	156-60-5	EPA 624	J58568-3	12-Apr-07	06-May-07	SP219	0307	Ŋö	l ua/l	
1,3-Dichlorobenzene	541-73-1	EPA 624	J58568-3	12-Apr-07	06-May-07	SP219	0307	Ωo	l'on!	
achloride	56-23-5	EPA 624	J58568-3	12-Apr-07	06-May-07	SP219	0307	Ωe	1:ug/l	
Chloroform	67-66-3	EPA 624	J58568-3	12-Apr-07	06-May-07	SP219	0307	1.5	1:ug/l	
Benzene	71-43-2	EPA 624	J58568-3	12-Apr-07	06-May-07	SP219	0307	0.0	1 ug/l	
1,1,1-Trichloroethane	:71-55-6	EPA 624	J58568-3	12-Apr-07	06-May-07	SP219	0307	0.41 J	1:ua/I	
Methyl bromide	74-83-9	EPA 624	J58568-3	12-Apr-07	06-May-07	SP219	0307	סַּ	1, ug/l	3
0):		EPA 624	J58568-3	12-Apr-07	06-May-07	SP219	0307	סמ	1'gu!	
Chloroethane		EPA 624	J58568-3	12-Apr-07	06-May-07	SP219	0307	O O	1/6n;L	
Vinyl chloride		EPA 624	J58568-3	12-Apr-07	06-May-07	SP219	0307	00	Z'ug/l	3
틷		EPA 624	J58568-3	12-Apr-07	: 06-May-07	SP219	0307	O O	1 ug/l	***************************************
Bromoform			J58568-3	12-Apr-07	06-May-07	SP219	0307	n o	1/gn L	
Bromodichloromethane		EPA 624	J58568-3	12-Apr-07	06-May-07	SP219	0307	0.24 J	/Sn L	
i,1-Dichloroethane		EPA 624	J58568-3	12-Apr-07	06-May-07	SP219	0307	4.7	l ug/l	
	75-35-4	EPA 624	J58568-3	12-Apr-07	06-May-07	SP219	0307	00	1 ug/l	
- 1	75-69-4	EPA 624	J58568-3	12-Apr-07	: 06-May-07	SP219	0307) 0	Z ug/l	
але	75-71-8	EPA 624	J58568-3	12-Apr-07	: 06-May-07	SP219	0307	O o	2:ug/l	· · · · · · · · · · · · · · · · · · ·
		EPA 624	J58568-3	12-Apr-07	06-May-07	SP219	0307	Ωo	1 ug/l	
hane	79-00-5	EPA 624	J58568-3	12-Apr-07	: 06-May-07	SP219	0307	∩ °	1 ug/l	
Tichloroethene	79-01-6		J58568-3	12-Apr-07	06-May-07	SP219	0307	n o	1 ug/l	
hane	79-34-5	EPA 624	J58568-3	12-Apr-07	06-May-07	SP219	0307	n o	1 ug/l	
1,2-Dichlorobenzene 95-50-1	95-50-1		J58568-3	12-Apr-07	06-May-07	SP219	0307	O o	√5n;	
Cyanide	57-12-5	EPA 335.3/LACHAT	J58568-3	12-Apr-07	06-May-07	: SP219	0307	O O	0.01 mg/l	
Aluminum, Total	7429-90-5	EPA 200.7	J58568-3	12-Apr-07	06-May-07	SP219	0307	O O	100 ug/l	
ron, Total	7439-89-6	EPA 200.7	J58568-3	12-Apr-07	06-May-07	SP219	0307	U o	100 ug/l	
Lead, Total		EPA 200.7	J58568-3	12-Apr-07	06-May-07	SP219	0307	O O	3 100/	
Nickel, Total		EPA 200.7	J58568-3	12-Apr-07	06-May-07	SP219	0307	n o	40: ug/l	
Arsenic, Total		EPA 200.7	J58568-3	12-Apr-07	06-May-07	SP219	0307	Ωo	B ug/l	
a	7440-47-3	EPA 200.7	J58568-3	12-Apr-07	: 06-May-07	SP219	0307	n o	10 ug/l	
四		EPA 200.7	J58568-3	12-Apr-07	06-May-07	: SP219	0307	n o	25 ug/l	
Zinc, Total	7440-66-6	EPA 200.7	J58568-3	12-Apr-07	05-May-07	SP219	0307	∩.0	20 ug/l	
Oil And Grease		EPA 1664A	J58568-3	12-Apr-07	06-May-07	SP219	0307	∩ o	5:mg/l	
Aluminum, Dissolved	solved 7429-90-5	EPA 200.7	J58568-3F	12-Apr-07	: 06-May-07	SP219	0307	П:0		

Analyte		Method	Labsampid	Date Sampled	Validation Date	Sample	Location	Result Cade		RL Units Vald Result Valid Code
Ethylbenzene	100-41-4	EPA 624	J58568-4	12-Apr-07	06-May-07	¥	5:::)) 0		
cis-1,3-Dichloropropene	10061-01-		J58568-4	12-Apr-07	06-May-07	Z	TRIP BLANK	O o	1, ag/l	
trans-1,3-Dichloropropene 10061-02-6	10061-02-	6 EPA 624	J58568-4	12-Apr-07	06-May-07	Š	TRIP BLANK	0 0	1;ug/l	
1,4-Dichlorobenzene	106-46-7	EPA 624	J58568-4	12-Apr-07	06-May-07	CNK	TRIP BLANK	0.0	1:ug/l	
1,2-Dichloroethane	107-06-2	EPA 624	J58568-4	12-Apr-07	06-May-07	CNK	TRIP BLANK	0 0	1 ug/l	
Toluene	108-88-3	EPA 624	J58568-4	12-Apr-07	06-May-07	CNK	TRIP BLANK	<u> </u>	1, gu /	
Chlorobenzene	108-90-7	EPA 624	J58568-4	12-Apr-07	06-May-07	ZK	TRIP BLANK	0.0	1/65,1	
Dibromochloromethane	124-48-1	EPA 624	J58568-4	12-Apr-07	06-May-07	UNK	TRIP BLANK	0 O	1 ug/l	***************************************
Tetrachloroethene	127-18-4	EPA 624	J58568-4	12-Apr-07	06-May-07	Š	TRIP BLANK	0.0	1'gu:L	***************************************
Xylenes (total)	1330-20-7		J58568-4	12-Apr-07	06-May-07	Š	TRIP BLANK	O 0	1;ug/l	
cis-1,2-Dichloroethene	156-59-2	EPA 624	J58568-4	12-Apr-07	06-May-07	ZNY	TRIP BLANK	0.0	1 ug/l	
trans-1,2-Dichloroethene	156-60-5	EPA 624	J58568-4	12-Apr-07	06-May-07	Ž	TRIP BLANK	n o	fug/	***************************************
1,3-Dichlorobenzene	541-73-1	EPA 624	J58568-4	12-Apr-07	06-May-07	¥	TRIP BLANK	D o	1 ug/l	, , , , , , , , , , , , , , , , , , , ,
Carbon tetrachloride	56-23-5	EPA 624	J58568-4	12-Apr-07	06-May-07	X	TRIP BLANK) o	1,ug/l	
Chloroform	67-66-3	EPA 624	J58568-4	12-Apr-07	06-May-07	ž	TRIP BLANK	0 0	1;ug/l	
Benzene	71-43-2	EPA 624	J58568-4	12-Apr-07	06-May-07	ž	TRIP BLANK) 0	1:ug/l	
1,1,1-Trichloroethane	71-55-6	EPA 624	J58568-4	12-Apr-07	06-May-07	ž	TRIP BLANK	Ωø	1 ug/l	**************************************
Methyl bromide	74-83-9	EPA 624	J58568-4	12-Apr-07	06-May-07	Š	TRIP BLANK) 	1 ug/l	T)
Chloromethane	74-87-3	EPA 624	J58568-4	12-Apr-07	06-May-07	¥	TRIP BLANK	000	1 ug/l	
Chloroethane	75-00-3	EPA 624	J58568-4	12-Apr-07	06-May-07	Ž	TRIP BLANK) 0	1/m1	
Vinyl chloride	75-01-4	EPA 624	J58568-4	12-Apr-07	06-May-07	CNK	TRIP BLANK	ΩÖ	2 ug/l	ß
Methylene chloride	75-09-2	EPA 624	J58568-4	12-Apr-07	06-May-07	CNK	TRIP BLANK	٥٥	1,ug/l	
Bromoform	75-25-2	EPA 624	J58568-4	12-Apr-07	06-May-07	ZN	TRIP BLANK	0.0	1'an1	
Bromodichloromethane	75-27-4	EPA 624	J58568-4	12-Apr-07	06-May-07	CNK	TRIP BLANK	0.0	1 ug/l	
1,1-Dichloroethane	75-34-3	EPA 624	J58568-4	12-Apr-07	06-May-07	Š	TRIP BLANK	n o	1,cn/	**************************************
1,1-Dichloroethene	75-35-4	EPA 624	J58568-4	12-Apr-07	06-May-07	ZN	TRIP BLANK) O	1 ug/l	
Irichlorofluoromethane	75-69-4	EPA 624	J58568-4	12-Apr-07	06-May-07	Š	TRIP BLANK	n o	2:ug/l	
Dichlorodifluoromethane	75-71-8	EPA 624	J58568-4	12-Apr-07	06-May-07	Š	TRIP BLANK	00	2 ug/l	
1,2-Dichloropropane	78-87-5	EPA 624	J58568-4	12-Apr-07	06-May-07	Z	TRIP BLANK	0.0	1 ug/l	
1,1,2-Trichloroethane	79-00-5	EPA 624	J58568-4	12-Apr-07	06-May-07	Ž	TRIP BLANK	n o	1.00/	
Trichloroethene	79-01-6	EPA 624	J58568-4	12-Apr-07	06-May-07	Ž	TRIP BLANK	0.0	1 49/	
1,1,2,2-Tetrachloroethane 79-34-5	79-34-5	EPA 624	J58568-4	12-Apr-07	06-May-07	Z	TRIP BLANK	n e	1 ug/l	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
1,2-Dichlorobenzene	95-50-1		J58568-4	12-Apr-07	06-May-07	Ž	TRIP BLANK	ΩO	1/gn L	
Aluminum, Dissolved	7429-90-5	EPA 200.7	J58568-1F	12-Apr-07	06-May-07	SP114	0407	0.0	100; ug/l	

DATA USABILITY SUMMARY REPORT FOR MAY 2007 MONTHLY COMPLIANCE MONITORING

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

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

SUMMARY

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

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

"U" - not detected at the value given,

"UJ" - estimated and not detected at the value given,

"J" - estimated at the value given, and

"R" - unusable value.

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

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

VOLATILE ORGANIC ANALYSIS

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

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

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

INORGANIC AND OIL AND GREASE ANALYSIS

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

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

- Sample result verification
- Quantitation limits
- Data completeness

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

Ha		FPA 150 1	: IR0520_1	. 70 May 07	20 May 07	20114	0507	יייים פטן		
				יט-עפועוריט	Z-1418 y-0?	+ h) nen	0.00	ns	
	100-41-4	EPA 624	J60529-1	07-May-07	29-May-07	SP114	0507	₽	1;ng/l ::	
cis-1,3-Dichloropropene	10061-01-5 EPA 624	EPA 624	J60529-1	07-May-07	29-May-07	SP114	0507	ΠÖ	1'au1	
rans-1,3-Dichloropropene 10061-02-6 EPA 624	10061-02-6	EPA 624	J60529-1	07-May-07	29-May-07	SP114	0507	O O	1 ua/l	
	106-46-7	EPA 624	J60529-1	07-May-07	29-May-07	SP114	0507	٥٥	1,00/	
l,2-Dichloroethane		EPA 624	J60529-1	07-May-07	29-May-07	SP114	0507	0.0	1 ug/l	
loluene	108-88-3	EPA 624	J60529-1	07-May-07	29-May-07	SP114	0507	8.3	100/	
Chlorobenzene	108-90-7	EPA 624	J60529-1	07-May-07	29-May-07	SP114	0507	0.56.J	1 ug/l	******
Dibromochloromethane	124-48-1	EPA 624	J60529-1	07-May-07	29-May-07	SP114	0507	n o	l'ou!	
letrachloroethene	127-18-4	EPA 624	J60529-1	07-May-07	29-May-07	SP114	0507	00	1 00/1	
Xylenes (total) 1330-20-7	1330-20-7	EPA 624	J60529-1	07-May-07	29-May-07	SP114	0507	10.9	1 uo/l	
cis-1,2-Dichloroethene	156-59-2	EPA 624	J60529-1	07-May-07	29-May-07	SP114	0507	28.3	1 ua/l	
듄		EPA 624	J60529-1	07-May-07	29-May-07	SP114	0507	0.69 J	1 ug/l	
,3-Dichlorobenzene		EPA 624	J60529-1	07-May-07	29-May-07	SP114	0507	U.O	/fm:L	
achloride	56-23-5	EPA 624	J60529-1	07-May-07	29-May-07	SP114	0507	0.0	1'ug/l	
Chlaroform	67-66-3	EPA 624	J60529-1	07-May-07	29-May-07	SP114	0507	0.0	1:ug/l	
Benzene	71-43-2	EPA 624	J60529-1	07-May-07	29-May-07	SP114	0507	83:	1:ug/l	
than	71-55-6	EPA 624	J60529-1	07-May-07	29-May-07	SP114	0507	5.2	1'an	· · · · · · · · · · · · · · · · · · ·
Methyl bromide	74-83-9	EPA 624	J60529-1	07-May-07	29-May-07	SP114	0507	ΠO	1 ug/	
₽:	74-87-3	EPA 624	J60529-1	07-May-07	29-May-07	SP114	0507	Ωo	1 ug/l	
	75-00-3	EPA 624	J60529-1	07-May-07	29-May-07	SP114	0507	1.2	1 ug/l	
Vinyl chlaride	75-01-4	EPA 624	J60529-1	07-May-07	29-May-07	SP114	0507	66.7	2:ug/l	
Methylene chloride	75-09-2	EPA 624	J60529-1	07-May-07	29-May-07	SP114	0507	ΩO	1 ug/l	
	75-25-2	EPA 624	J60529-1	07-May-07	29-May-07	SP114	0507	n o	1 ug/l	· · · · · · · · · · · · · · · · · · ·
ane	75-27-4	EPA 624	J60529-1	07-May-07	29-May-07	SP114	0507	ΩO	1ug/l	
I,1-Dichloroethane	75-34-3	EPA 624	J60529-1	07-May-07	29-May-07	SP114	0507	19.2	1 ug/l	
,1-Dichloroethene	75-35-4	EPA 624	J60529-1	07-May-07	29-May-07	SP114	0507	n o	1 ug/l	
richlorofluoromethane	75-69-4	EPA 624	J60529-1	07-May-07	29-May-07	SP114	0507	n o	2 ug/l	
ane	75-71-8	EPA 624	J60529-1	07-May-07	29-May-07	SP114	0507	0.0	2;ug/l	
,2-Dichloropropane	78-87-5	EPA 624	J60529-1	07-May-07	29-May-07	SP114	0507	Ωo	1 ug/l	
,1,2-Trichloroethane	79-00-5	EPA 624	J60529-1	07-May-07	29-May-07	SP114	0507	ΠO	1 ug/l	
Trichloroethene	79-01-6	EPA 624	J60529-1	07-May-07	29-May-07	SP114	0507	0.84 J	l'gu!	
ane	79-34-5	EPA 624	J60529-1	07-May-07	29-May-07	SP114	0507	0.0	1 ug/l	
1,2-Dichlorobenzene	95-50-1	EPA 624	J60529-1	07-May-07	29-May-07	SP114	0507	O O	1 ug/l	**************************************
Total		EPA 200.7	J60529-1	07-May-07	29-May-07	SP114	0507	Ωo	100 ug/l	
ron, Total	7439-89-6	EPA 200.7	J60529-1	07-May-07	29-May-07	SP114	0507	49300	100 ug/l	
Lead, Total			J60529-1	07-May-07	29-May-07	SP114	0507	Ω°	3 ug/l	
lickel, Total		EPA 200.7	J60529-1	07-May-07	29-May-07	SP114	0507	0.0	40 ug/l	
i	Γ- :	EPA 200.7	J60529-1	07-May-07	29-May-07	SP114	0507	110	/bn:8	
ם	7440-47-3	EPA 200.7	J60529-1	07-May-07	29-May-07	SP114	0507	Ωo	10:ug/l	
otal		EPA 200.7	J60529-1	07-May-07	29-May-07	SP114	0507	ΩO	25 ug/l	
Zinc, Total	7440-66-6	EPA 200.7	: J60529-1	: 07-Mav-07	29-May-07	SP114	0507	Π.0	71.00	***************************************

Analyle	Caeno	Nemod	DICUESCE							אחונו אישורי ביסרביו
Ethylbenzene	100-41-4		J60529-2	07-May-07	29-May-07	SP217	0507	n o		0.0000
cis-1,3-Dichloropropene	10061-01-5	5 EPA 624	J60529-2	07-May-07	29-May-07	SP217	0507	0.0	1 iug/l	
trans-1,3-Dichloropropene 10061-02-6 EPA 624	10061-02-(5 EPA 624	J60529-2	07-May-07	29-May-07	SP217	0507	0.0	1 ug/l	****
1,4-Dichlorobenzene	106-46-7	EPA 624	J60529-2	07-May-07	29-May-07	SP217	0507	n o	1 ug/l	
1,2-Dichloroethane	107-06-2	EPA 624	J80529-2	07-May-07	29-May-07	SP217	0507	Ωo	1 ug/l	
Toluene	108-88-3	EPA 624	J60529-2	07-May-07	29-May-07	SP217	0507	Û.	1/67	
Chlarobenzene	108-90-7	EPA 624	J60529-2	07-May-07	29-May-07	SP217	0507	ΩÖ	1 ug/l	
Dibromochloromethane	124-48-1	EPA 624	J60529-2	07-May-07	29-May-07	SP217	0507	O O	1; ug/l	
Tetrachloroethene	127-18-4	EPA 624	J60529-2	07-May-07	29-May-07	SP217	0507	0.0	1'ug/l	
Xylenes (total)	1330-20-7	EPA 624	J60529-2	07-May-07	29-May-07	SP217	0507	O O	1 ug/l	
cis-1,2-Dichioroethene	156-59-2	EPA 624	J60529-2	07-May-07	29-May-07	SP217	0507	3,3	1 ug/l	
trans-1,2-Dichloroethene	156-60-5	EPA 624	J60529-2	07-May-07	29-May-07	SP217	0507	O O	1 ug/l	
1,3-Dichlorobenzene	541-73-1	EPA 624	J60529-2	07-May-07	29-May-07	SP217	0507	0.0	1/6n F	
Carbon tetrachloride	56-23-5	EPA 624	J60529-2	07-May-07	29-May-07	SP217	0507	O o	1 ug/l	
Chlaroform	67-66-3	EPA 624	J60529-2	07-May-07	29-May-07	SP217	0507	1.8	1:ug/l	
Benzene	71-43-2	EPA 624	J60529-2	07-May-07	29-May-07	SP217	0507	0.27.J	1 ug/l	
1,1,1-Trichloroethane	71-55-6	EPA 624	J60529-2	07-May-07	29-May-07	SP217	0507	1.3	1'guil	
Methyl bromide	74-83-9	EPA 624	J60529-2	07-May-07	29-May-07	SP217	0507	n o	1 ug/l	
Chloromethane	74-87-3	EPA 624	J60529-2	07-May-07	29-May-07	SP217	0507	Ωo	l/gu-l	
Chloroethane	75-00-3	EPA 624	J60529-2	07-May-07	29-May-07	SP217	0507	n o	1 ug/l	
Vinyl chloride	75-01-4	EPA 624	J60529-2	07-May-07	29-May-07	SP217	0507	1.2.	2 ug/l	
Methylene chloride	75-09-2	EPA 624	J60529-2	07-May-07	29-May-07	SP217	0507	Ωo	1 49/1	
Вготобогт	75-25-2	EPA 624	J60529-2	07-May-07	29-May-07	SP217	0507	Ωo	1 ug/l	
Bromodichloromethane	75-27-4	EPA 624	J60529-2	07-May-07	29-May-07	SP217	0507	0.38 J	1 ug/l	
1,1-Dichloroethane	75-34-3	EPA 624	J60529-2	07-May-07	29-May-07	SP217	0507	7.1	1 ug/l	; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ;
1,1-Dichloroethene	75-35-4	EPA 624	J60529-2	07-May-07	29-May-07	SP217	0507	O O	1 ug/l	****** ** ** ** ** ** ** ** ** ** ** **
Trichlorofluoromethane	75-69-4	EPA 624	J60529-2	07-May-07	29-May-07	SP217	0507) O	2 ug/l	
Dichlorodifluoromethane	75-71-8	EPA 624	J60529-2	07-May-07	29-May-07	SP217	0507	0.0	2:ug/l	
1,2-Dichloropropane	78-87-5	EPA 624	J60529-2	07-May-07	29-May-07	SP217	0507	O O	1 ug/l	
1,1,2-Trichloroethane	79-00-5	EPA 624	J60529-2	07-May-07	29-May-07	SP217	0507	00	1 ug/l	
Trichloroethene	79-01-6	EPA 624	J60529-2	07-May-07	29-May-07	SP217	0507	70	1 ug/l	;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;
1,1,2,2-Tetrachloroethane :79-34-5	79-34-5	EPA 624	J60529-2	07-May-07	29-May-07	SP217	0507	ספר	1 ug/l	
1,2-Dichlorobenzene	95-50-1	EPA 624	J60529-2	07-May-07	29-Mav-07	SP217	0507	Π:0	A. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.	

						DOCE NO S		Result Code			
	7439-89-6	EPA 200.7	J60529-3		29-May-07	SP219	0507) 	·		
Lead, Total		EPA 200.7	J60529-3	07-May-07	29-May-07	SP219	0507	0.0	3:00/		
Ŧ		EPA 150.1	J60529-3	07-May-07	29-May-07	SP219	0507	7.57			
Ethylbenzene	100-41-4	EPA 624	J60529-3	07-May-07	29-May-07	SP219	0507	0.0	1:10/1		
cis-1,3-Dichloropropene	10061-01-5 EPA 624	EPA 624	J60529-3	07-May-07	29-May-07	SP219	0507	∩ o	Jan L		
trans-1,3-Dichloropropene 10061-02-6	10061-02-6	EPA 624	J60529-3	07-May-07	29-May-07	SP219	0507	0.0	/cn:/		
1,4-Dichlorobenzene	106-46-7	EPA 624	J60529-3	07-May-07	29-May-07	SP219	0507	00	1 ug/l		
1,2-Dichloroethane	107-06-2	EPA 624	J60529-3	07-May-07	29-May-07	SP219	0507	ΩO	1:00/		
Toluene	108-88-3	EPA 624	J60529-3	07-May-07	29-May-07	SP219	0507	O O	1: ua/I		
Chlorobenzene	108-90-7	EPA 624	J60529-3	07-May-07	29-May-07	SP219	0507	n o	1:00/		
Dibromochloromethane	124-48-1	EPA 624	J60529-3	07-May-07	29-May-07	SP219	0507	Ωo	1,00/1		
6	127-18-4	EPA 624	J60529-3	07-May-07	29-May-07	SP219	0507	0.0	1:00/		
Xylenes (total)	1330-20-7	EPA 624	J60529-3	07-May-07	29-May-07	SP219	0507	<u>U</u>	/on:		
cis-1,2-Dichloraethene	ne 156-59-2	EPA 624	J60529-3	07-May-07	29-May-07	SP219	0507	0.65.J)-n-1		
trans-1,2-Dichloroethene	156-60-5	EPA 624	J60529-3	07-May-07	29-May-07	SP219	0507	Ω°	1,00/		
1,3-Dichlorobenzene	541-73-1	EPA 624	J60529-3	07-May-07	29-May-07	SP219	0507	ΩO	1,00/1		
Carbon tetrachloride	56-23-5	EPA 624	J60529-3	07-May-07	29-May-07	SP219	0507	n o	J'ind		
Chloroform 67-66-3	67-66-3	EPA 624	J60529-3	07-May-07	29-May-07	SP219	0507	1.6	Jon:		
Benzene	71-43-2	EPA 624	J60529-3	07-May-07	29-May-07	SP219	0507	n o	l/on:L		
Jane	3 71-55-6	EPA 624	J60529-3	07-May-07	29-May-07	SP219	0507	0.65 J	1 ug/		
	74-83-9	EPA 624	J60529-3	07-May-07	29-May-07	SP219	0507	Ωº	1:09/		
0	74-87-3	EPA 624	J60529-3	07-May-07	29-May-07	SP219	0507	0.0	1, ug/l		
	75-00-3	EPA 624	J60529-3	07-May-07	29-May-07	SP219	0507	0.0	1'gu:L		
	75-01-4	EPA 624	J60529-3	07-May-07	29-May-07	SP219	0507	0.35 J	2:ug/l		
chloride	75-09-2	EPA 624	J60529-3	07-May-07	29-May-07	SP219	0507	n o	1 ug/l		
Bromotorm	75-25-2	EPA 624	J60529-3	07-May-07	29-May-07	SP219	0507	ΩO	1 ug/l	· · · · · · · · · · · · · · · · · · ·	
Bromodichloromethane		EPA 624	J60529-3	07-May-07	29-May-07	SP219	0507	ΩO	1, ug/l		;
1,1-Dichloroethane	75-34-3	EPA 624	J60529-3	07-May-07	29-May-07	SP219	0507	5.1	1:ug/l		
1,1-Dichloraethene	75-35-4	EPA 624	J60529-3	07-May-07	29-May-07	SP219	0507	Ωo	1.ug/l		*****
•	75-69-4	EPA 624	J60529-3	07-May-07	29-May-07	SP219	0507	no	2: ug/l		
ane.		EPA 624	J60529-3	07-May-07	29-May-07	SP219	0507	O o	2 ug/l		
	78-87-5	EPA 624	J60529-3	07-May-07	29-May-07	SP219	0507	no	1/gn	·	
hane	79-00-5	EPA 624	J60529-3	07-May-07	29-May-07	SP219	0507	Ωo	/6n	· · · · · · · · · · · · · · · · · · ·	
Trichloroethene	79-01-6	EPA 624	J60529-3	07-May-07	29-May-07	SP219	0507	O O	1.ug/l	÷	
Jane	79-34-5	EPA 624	J60529-3	07-May-07	29-May-07	SP219	0507	O O	l/gn:L		
lorobenzene	95-50-1	EPA 624		07-May-07	29-May-07	SP219	0507	O o	l/gu L		
		EPA 335.3/LACHAT		07-May-07	29-May-07	SP219	0507	Πo	0.01 mg/l		******
otal	7429-90-5	EPA 200.7	J60529-3	07-May-07	29-May-07	SP219	0507	Ωo	100 ug/l		
		EPA 200.7	J60529-3	07-May-07	29-May-07	SP219	0507	ΩO	40; ug/l		
Arsenic, Total		EPA 200.7	J60529-3	07-May-07	29-May-07	SP219	0507	Ω°	8: ug/l		
tal	7440-47-3	EPA 200.7	.J60529-3	07-May-07	29-May-07	SP219	0507	O 0	10 ug/l		*****
tal		EPA 200.7	J60529-3	07-May-07	29-May-07	SP219	0507	Ω°	25 ug/l		
	7440-66-6	EPA 200.7	J60529-3	07-May-07	29-May-07	SP219	0507	n o	20 ug/l		
Oll And Grease		EPA 1664A	. 160529-3	07-Mav-07	29-May-07	SP219	0507	O	7.1Eq.		

Analyte	Catito	Method	Labsampid	Date Sampled	Validation Date Sample	Sample	Location	Result Code	R	Units Valid Resolt Valid Code
•	100-41-4	EPA 624	J60529-4	07-May-07	29-May-07	Z	TRIP BLANK	_ 0 0	-	an and a second property of the second proper
cis-1,3-Dichloropropene	10061-01-5 EPA 624	EPA 624	J60529-4	07-May-07	29-May-07	Z	TRIP BLANK	n o	1 ug/l	
trans-1,3-Dichloropropene 10061-02-6 EPA 624	10061-02-6	EPA 624	J60529-4	07-May-07	29-May-07	ZN	TRIP BLANK	0.0	1: ug/l	
₫.			J60529-4	07-May-07	29-May-07	Ň	TRIP BLANK	Ω°	1 ug/l	
1,2-Dichloroethane	107-06-2	EPA 624	J60529-4	07-May-07	29-May-07	Ž	TRIP BLANK	n o	1 ug/l	
Toluene	108-88-3	EPA 624	J60529-4	07-May-07	29-May-07	¥	TRIP BLANK	n o	1 ug/l	
Chlorobenzene	108-90-7	EPA 624	J60529-4	07-May-07	29-May-07	Š	TRIP BLANK	D 0	1, ug/l	
Dibromochloromethane	124-48-1	EPA 624	J60529-4	07-May-07	29-May-07	Š	TRIP BLANK	n o	1 ug/l	
Tetrachloroethene	127-18-4	EPA 624	J60529-4	07-May-07	29-May-07	Š	TRIP BLANK	Πö	1:ug/l	
Xylenes (total)	1330-20-7	EPA 624	J60529-4	07-May-07	29-May-07	Š	TRIP BLANK	Ωo	1 ug/l	
cis-1,2-Dichloroethene	156-59-2	EPA 624	J60529-4	07-May-07	29-May-07	ž	TRIP BLANK	ΩO	1 liugh	
trans-1,2-Dichloroethene	156-60-5	EPA 624	J60529-4	07-May-07	29-May-07	Š	TRIP BLANK	n o	1,001	
1,3-Dichlorobenzene	541-73-1	EPA 624	J60529-4	07-May-07	29-May-07	Z	TRIP BLANK	D 0	1 mg/l	
Carbon tetrachloride	56-23-5	EPA 624	J60529-4	07-May-07	29-May-07	UNK	TRIP BLANK	Ωo	1 ug/l	
Chloroform	67-66-3	EPA 624	J60529-4	07-May-07	29-May-07	χ	TRIP BLANK	Ωo	1'gu]	
Benzene	71-43-2	EPA 624	J60529-4	07-May-07	29-May-07	ZNO	TRIP BLANK) o	1; ug/l	
1,1,1-Trichloroethane	71-55-6	EPA 624	J60529-4	07-May-07	29-May-07	JAN	TRIP BLANK	0 0	1 ug/l	***************************************
Methyl bromide	74-83-9	EPA 624	J60529-4	07-May-07	29-May-07	¥	TRIP BLANK	D.O	[m]	
<u>a</u>	74-87-3	EPA 624	J60529-4	07-May-07	29-May-07	Š	TRIP BLANK	ΩO	/ini/	
Chloroethane	75-00-3	EPA 624	J60529-4	07-May-07	29-May-07	Š	TRIP BLANK	Ŋo	1 ug/l	
Vinyl chloride	75-01-4	EPA 624	J60529-4	07-May-07	29-May-07	ž	TRIP BLANK	O O	2:ug/l	
Methylene chloride	75-09-2	EPA 624	J60529-4	07-May-07	29-May-07	Ň	TRIP BLANK	Ωo	1 ug/l	
Bromoform	75-25-2	EPA 624	J60529-4	07-May-07	29-May-07	Š	TRIP BLANK	0 0	1:ug/l	
Bromodichloromethane	75-27-4	EPA 624	J60529-4	07-May-07	29-May-07	ž	TRIP BLANK	n o	1.09/	
1,1-Dichloroethane	75-34-3	EPA 624	J60529-4	07-May-07	29-May-07	Š	TRIP BLANK	n o	1 ug/l	
1,1-Dichloroethene	75-35-4	EPA 624	J60529-4	07-May-07	29-May-07	ž	TRIP BLANK	n o	1 ug/l	
Trichlorofluoromethane	75-69-4	EPA 624	J60529-4	07-May-07	29-May-07	Š	TRIP BLANK	0.0	2 ug/l	
Dichlorodifluoromethane	75-71-8	EPA 624	J60529-4	07-May-07	29-May-07	Š	TRIP BLANK	O O	2 ug/l	
1,2-Dichloropropane	78-87-5	EPA 624	J60529-4	07-May-07	29-May-07	ž	TRIP BLANK	O O	1 ug/l	
1,1,2-Trichloroethane	79-00-5	EPA 624	J60529-4	07-May-07	29-May-07	Ž	TRIP BLANK	70	1 ug/l	******
Trichloroethene	79-01-6	EPA 624	J60529-4	07-May-07	29-May-07	ž	TRIP BLANK	20	1 ug/l	
1,1,2,2-Tetrachloroethane 79-34-5	79-34-5	EPA 624	J60529-4	07-May-07	29-May-07	¥	TRIP BLANK) O	1 ug/l	******
1,2-Dichlorobenzene	95-50-1	EPA 624	J60529-4	07-May-07	29-May-07	SK	TRIP BLANK	n o	1 ug/l	
Aluminum, Dissolved	7429-90-5	EPA 200.7	J60529-1F	07-May-07	29-May-07	SP114	0507	O O	100 ug/l	***************************************
Aluminum, Dissolved	7429-90-5	EPA 200.7	J60529-3F	07-May-07	29-May-07	SP219	0507	οin	100 ug/l	

DATA USABILITY SUMMARY REPORT FOR JUNE 2007 MONTHLY COMPLIANCE MONITORING

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

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

SUMMARY

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

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

"U" - not detected at the value given,

"UJ" - estimated and not detected at the value given,

"J" - estimated at the value given, and

"R" - unusable value.

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

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

VOLATILE ORGANIC ANALYSIS

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

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

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

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

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

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

INORGANIC AND OIL AND GREASE ANALYSIS

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

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

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

7-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1	CONTRACTOR OF THE	normality .	1	ביים סמיים	3		בספפפטו	abon inequal		valid Result Valid Code
,3-Dicnlorobenzana	041-/3-1	EPA 624	J62870-1	05-Jun-07	05-Jul-07	SP114	0307	 o:	1:ug/	
Carbon tetrachloride	56-23-5	EPA 624	J62870-1	05-Jun-07	05-Jul-07	SP114	0307	Πö	1 ug/l	
Chloroform	67-66-3	EPA 624	J62870-1	05~Jun-07	05-Jul-07	SP114	0307	0.0	1:ug/l	***************************************
Вепгепе	71-43-2	EPA 624	J62870-1	05-Jun-07	05-Jul-07	SP114	0307	78.5	1:00/	F:
1,1,1-Trichloroethane	71-55-6	EPA 624	J62870-1	05-Jun-07	05-Jul-07	SP114	0307	6.3	1 40/	
Methyl bromide	74-83-9	EPA 624	JB2870-1	05-Jun-07	05-Jul-07	SP114	0307	0.0	1.00/	
Chloromethane	74-87-3	EPA 624	J62870-1	05-Jun-07	05-Jul-07	SP114	0307	ņo	1,00	· · · · · · · · · · · · · · · · · · ·
Chloroethane	75-00-3	EPA 624	J62870-1	05-Jun-07	05-Jul-07	SP114	0307	0.82	1.00/	***************************************
Vinyl chloride	75-01-4	EPA 624	J62870-1	05-Jun-07	05-Jul-07	SP114	0307	58.4	2:40/	
Methylene chloride	75-09-2	EPA 624	J62870-1	05~Jun-07	70-Jul-30	SP114	0307	ΩO	1.00/	***************************************
Вготобогт	75-25-2	EPA 624	J62870-1	05-Jun-07	05-Jul-07	SP114	0307	0.0	1 ua/	***************************************
Bromodichloromethane	75-27-4	EPA 624	J62870-1	05-Jun-07	05-Jul-07	SP114	0307	O O	1: ua/l	***************************************
, 1-Dichloroethane	75-34-3	EPA 624	J62870-1	06-Jun-07	05-Jul-07	SP114	0307	14.4	1 49/	
,1-Dichloroethene	75-35-4	EPA 624	J62870-1	05-Jun-07	05-Jul-07	SP114	0307	O O	1,00/	
l'richlorofluoromethane	75-69-4	EPA 624	J62870-1	05-Jun-07	05-Jul-07	SP114	0307	ΩO	2 ug/l	***************************************
Dichlorodifluoromethane	75-71-8	EPA 624	J62870-1	05-Jun-07	70-Jul-50	SP114	0307	n o	2: ug/l	
,2-Dichloropropane	78-87-5	EPA 624	J62870-1	05-Jun-07	05-Jul-07	SP114	0307	nio	1 ug/l	
1,1,2-Trichloroethane	79-00-5	EPA 624	J62870-1	05-Jun-07	05-Jul-07	SP114	0307	מח	1 ug/l	***************************************
	****	EPA 150.1	J62870-1	05-Jun-07	05-Jul-07	SP114	0307	6.73	181	
Ethylbenzana	100-41-4	EPA 624	J62870-1	05-Jun-07	05-Jul-07	SP114	0307	9	1 ua/l	***************************************
cis-1,3-Dichloropropene	10061-01-5	EPA 624	J62870-1	05-Jun-07	05-Jul-07	SP114	0307	ספ	1 ug/l	
pened	10061-02-8	EPA 624	J62870-1	05-Jun-07	05-Jul-07	SP114	0307	ΩÖ	1 ug/l	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
4-Dichlorobenzene	106-46-7	EPA 624	J62870-1	05-Jun-07	05-Jul-07	SP114	0307	20	1 ug/l	
1,2-Dichloroethane	107-06-2	EPA 624	J62870-1	05-Jun-07	05-Jul-07	SP114	0307	0.0	1 ug/l	
		EPA 624	J62870-1	05-Jun-07	05-Jul-07	SP114	0307	60	1 ug/l	
Chlorobenzene	108-90-7	EPA 624	J62870-1	05-Jun-07	05-Jul-07	SP114	0307	0.6:1	1 ug/l	
Dibromochloromethane		EPA 624	J62870-1	05-Jun-07	05-Jul-07	SP114	0307	n o	1 ug/l	
letrachloroethene	127-18-4	EPA 624	J62870-1	05-Jun-07	05-Jul-07	SP114	0307	ΠÖ	1 ug/l	7
Xylenes (total)	1330-20-7	EPA 624	J62870-1	05-Jun-07	05-Jul-07	SP114	0307	12.6	1 ug/l	
cis-1,2-Dichloroethene	156-59-2	EPA 624	J62870-1	05-Jun-07	05-Jul-07	SP114	0307	23.3	1 ug/l	
trans-1,2-Dichloroethene	156-60-5	EPA 624	J62870-1	05-Jun-07	05-Jul-07	SP114	0307	0.68.J	1 ug/l	· · · · · · · · · · · · · · · · · · ·
Trichloroethene	79-01-6	EPA 624	J62870-1	05-Jun-07	05-Jul-07	SP114	0307	n o	1 ug/l	
,1,2,2-Tetrachloroethane 79-34-5	79-34-5	EPA 624	J62870-1	05-Jun-07	70-Jul-90	SP114	0307	ΠO	1 ug/l	
1,2-Dichlorobenzene	95-50-1	EPA 624	. J62870-1	05-Jun-07	05~Jul-07	SP114	0307	ΩÖ	1 ug/l	***************************************
Aluminum, Total	7429-90-5	EPA 200.7	382870-1	05-Jun-07	06-Jul-07	SP114	0307	ΩO	100 ug/l	
lron, Total	7439-89-6	EPA 200.7	J62870-1	05-Jun-07	05-Jul-07	SP114	0307	46200	100 ug/l	
	• - :	EPA 200.7	. J62870-1	05-Jun-07	05-Jul-07	SP114	0307	ΠO	3 ug/l	
Nickel, Total	7440-02-0	EPA 200.7	J62870-1	05-Jun-07	70-Jul-50	SP114	0307	ΩÖ	40 ug/l	
Arsenic, Total	7440-38-2	EPA 200.7	J62870-1	05-Jun-07	05-Jul-07	SP114	0307	107	V⊡n 8	
Chromium, Total	7440-47-3	EPA 200.7	J62870-1	05-Jun-07	70-Jul-97	SP114	0307	Ωo	10 ug/l	
otal	7440-50-8	EPA 200.7	J82870-1	05-Jun-07	05-Jul-07	SP114	0307	n:o	25 ug/l	
Zinc, Total		EPA 200.7	J62870-1	05-Jun-07	. 05-Jul-07	SP114	0307	n o	20 ug/l	
Aluminum, Dissolved	:7429-90-5	EPA 200.7	J62870-1F	05-Jun-07	05-701-07	SP114	0307	O:0	100:114/	

		mannan			Laie Sallipieu (Valluallo)ii Laie				KT Unite: Yaild Kesuit, Valid Code	Kasuiti Valid Look
Ethylbenzene	100-41-4	EPA 624	J62870-2	05-Jun-07	05-Jul-07	SP217	0307	o O	1 ug/l	
cis-1,3-Dichloropropene	10061-01-5	EPA 624	J62870-2	05-Jun-07	05-Jul-07	SP217	0307	nio	1,09/	***************************************
trans-1,3-Dichloropropene: 10061-02-6	10061-02-8	EPA 624	J62870-2	05-Jun-07	05-Jul-07	SP217	0307	O O	1:ug/l	***************************************
1,4-Dichlorobenzene	106-46-7	EPA 624	J62870-2	05-Jun-07	05-Jul-07	SP217	0307	0 0	1:ug/l	
1,2-Dichloroethane	107-08-2	EPA 624	J62870-2	05-Jun-07	05-Jul-07	SP217	0307	0.0	1 ug/l	
Toluene	108-88-3	EPA 624	J62870-2	05-Jun-07	05-Jul-07	SP217	0307	n o	1,00/	
Chlorobanzana	108-90-7	EPA 624	J62870-2	05-Jun-07	05-Jul-07	SP217	0307	סמ	1 ug/l	***************************************
Olbromochloromethane	124-48-1	EPA 624	J62870-2	05-Jun-07	05-Jul-07	SP217	0307	n o	1 ual	
Tetrachloroethene	127-18-4	EPA 624	. J62870-2	05-Jun-07	05-Jul-07	SP217	0307	מכ	1 ug/l	***************************************
Xylenes (total)	1330-20-7	EPA 624	J62870-2	06-Jun-07	05-Jul-07	SP217	0307	n o	1 ug/l	4
cis-1,2-Dichloroethene	156-59-2	EPA 624	J62870-2	05-Jun-07	05-Jul-07	SP217	0307	2.4	1:00/	***************************************
trans-1,2-Dichloroethene	158-60-5	EPA 624	. J62870-2	05-Jun-07	05-Jul-07	SP217	0307	n o	1 ug/l	
1,3-Dichlorobenzene	541-73-1	EPA 624	J62870-2	05-Jun-07	05-Jul-07	SP217	0307	Π0	1 ug/l	
Carbon tetrachloride	58-23-5	EPA 624	J62870-2	05-Jun-07	05-Jul-07	SP217	0307	ПO	1 49/1	***************************************
Chloroform	67-66-3	EPA 624	J62870-2	05-Jun-07	05-Jul-07	SPZ17	0307	1.0	1/501	
Вепzепе	71-43-2	EPA 624	J62870-2	05-Jun-07	05-Jul-07	SP217	0307	n o	1 ug/l	
1,1,1-Trichloroethane	71-55-6	EPA 624	J62870-2	06-Jun-07	05-Jul-07	SP217	0307	0.91.1	1 49/	
Methyl bromide	74-83-9	EPA 624	J62870-2	05-Jun-07	05-Jul-07	SP217	0307	0 0	1, ug/l	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
Chloromethane	74-87-3	EPA 624	J62870-2	05-Jun-07	05-Jul-07	SP217	0307	O O	1 ua/l	***************************************
Chloroethane	75-00-3	EPA 624	J62870-2	06-Jun-07	05-Jul-07	SP217	0307	O O	1:ua/l	***************************************
Vinyi chloride	75-01-4	EPA 624	J62870-2	05-Jun-07	05-Jul-07	SP217	0307	70	2 ua/l	
Methylene chloride	75-09-2	EPA 624	J62870-2	06-Jun-07	05-Jul-07	SP217	0307) o	1:ug/l	***************************************
Втотоботт	75-25-2	EPA 624	J62870-2	05-Jun-07	70-Jul-92	SP217	0307	ПО	1 ug/	***************************************
Bromodichloromethane	75-27-4	EPA 624	J62870-2	05-Jun-07	05-Jul-07	SP217	0307	n o	1,00/1	
1,1-Dichloroethane	75-34-3	EPA 824	J62870-2	05-Jun-07	05-Jul-07	SP217	0307	4.8	1:ua/l	
1,1-Dichloroethene	75-35-4	EPA 824	J62870-2	05-Jun-07	05-Jul-07	SP217	0307	O O	1 ug/l	***************************************
Trichlorofluoromethane	75-69-4	EPA 824	J62870-2	05-Jun-07	05-Jul-07	SP217	0307	O O	2:ug/	***************************************
Dichlorodifluoromethane	75-71-8	EPA 824	J62870-2	05-Jun-07	05-Jul-07	SP217	0307	O O	2 ug/l	***************************************
1,2-Dichloropropane	78-87-5	EPA 624	J62870-2	05-Jun-07	05-Jul-07	SP217	0307	ΩO	1.09/	
1,1,2-Trichloroethane	79-00-5	EPA 624	J62870-2	05-Jun-07	05-Jul-07	SP217	0307	ם	1 ug/l	
Trichloroethene	79-01-6	EPA 624	J62870-2	05-Jun-07	05-Jul-07	SP217	0307	ЛO	1 ug/l	***************************************
1,1,2,2-Tetrachloroethane: 79-34-5	79-34-5	EPA 624	J62870-2	05-Jun-07	05-Jul-07	SP217	0307	סמ	1 ug/l	
1.2-Dichlorobenzene	:95-50-1	EPA 624	.JB2870-2	05-1-07	05. Inf.07	50017	7050			***************************************

*******		EPA 150.1	J62870-3	05-Jun-07	05-Jul-07	SP219	0307	7.35	ns.	
•	100-41-4	EPA 624	J62870-3	05-Jun-07	05-Jul-07	SP219	2060	<u>0:0</u>	1 ug/l	***************************************
cis-1,3-Dichloropropene	10061-01-5	EPA 624	J62870-3	05-Jun-07	05-Jul-07	SP219	0307	ÜÜ	1:ug/l	
trans-1,3-Dichloropropene 10061-02-6	10061-02-6	EPA 624	J62870-3	05-Jun-07	05-Jul-07	SP219	7080	ΩO	1:00/	
,4-Dichlorobenzene	106-46-7	EPA 624	J62870-3	05-Jun-07	05-Jul-07	SP219	0307	0.0	1 110/1	
1,2-Dichloroethane	107-08-2	EPA 624	J62870-3	05-Jun-07	05-Jul-07	SP219	0307	0.0	1:ug/	***************************************
i	108-88-3	EPA 624	J62870-3	05-Jun-07	05-Jul-07	SP219	0307	n o	1 100/1	
Chlorobenzene	108-90-7	EPA 624	J62870-3	05-Jun-07	05-701-07	SP219	0307	0.0	1:ug/	***************************************
Dibromochloromethane	thane 124-48-1	EPA 624	J62870-3	05-Jun-07	05-Jul-07	SP219	0307	Ŋo	1.00/	***************************************
Fetrachloroethene	127-18-4	EPA 624	J62870-3	05-Jun-07	05-Jul-07	SP219	0307	n o	1 ug/l	
Xylenes (total)	1330-20-7	EPA 624	J62870-3	05-Jun-07	05-Jul-07	: SP219	0307	0:0	1,00/	
cis-1,2-Dichloroethene	156-59-2	EPA 624	J62870-3	05-Jun-07	05~Jul-07	: SP219	0307	-	1,110/	***************************************
bans-1,2-Dichloroethene	156-60-5	EPA 624	J62870-3	05-Jun-07	05-Jul-07	SP219	0307	ПО	1.10/	
,3-Dichlorobenzene	541-73-1	EPA 624	J62870-3	70-Jun-90	05-Jul-07	SP219	0307	0:0	100/	***************************************
Carbon tetrachloride	56-23-5	EPA 624	J62870-3	05-Jun-07	05-Jul-07	SP219	0307	ΠO	1.00/	
Chloroform	67-66-3	EPA 624	J62870-3	05-Jun-07	05-Jul-07	SP219	0307	1.0	1,00/	
	71-43-2	EPA 624	J62870-3	05-Jun-07	06-Jul-07	SP219	0307	0.0	1:ug/l	
l,1,1-Trichloroethane		EPA 624	J62870-3	05-Jun-07	05-Jul-07	SP219	0307	0.63.1	1 40/	***************************************
Methyl bromide	74-83-9	EPA 624	J62870-3	05-Jun-07	05-Jul-07	SP219	0307	∩;0	1: ua/l	***************************************
	74-87-3	EPA 624	J62870-3	05-Jun-07	05-Jul-07	SP219	0307	0.0	1 ua/l	***************************************
	75-00-3	EPA 624	J62870-3	05-Jun-07	05-Jul-07	SP219	0307	0 0	1 ug/l	
Vinyl chloride	75-01-4	EPA 624	J62870-3	05-Jun-07	05-Jul-07	SP219	0307	nio	2 ug/l	***************************************
Methylene chloride	75-09-2	EPA 624	J62870-3	05-Jun-07	05-Jul-07	SP219	0307	ΩO	1 ug/l	
Вготобогт	75-25-2	EPA 624	J62870-3	05-Jun-07	05-Jul-07	SP219	0307	O O	1 ug/l	***************************************
Bromodichloromethane	75-27-4	EPA 624	J62870-3	05-Jun-07	05-Jul-07	SP219	0307	no	1 ug/l	
1,1-Dichloroethane	75-34-3	EPA 624	J62870-3	05-Jun-07	05-Jul-07	SP219	0307	4.6	1 ug/l	· · · · · · · · · · · · · · · · · · ·
,1-Dichloroethene	75-35-4	EPA 624	J62870-3	05-Jun-07	05-Jul-07	SP219	0307	n o	1 ug/l	
richlorofluoromethane	75-69-4	EPA 624	J62870-3	05-Jun-07	05-Jul-07	SP219	0307	0.0	2 ug/l	· · · · · · · · · · · · · · · · · · ·
ane	75-71-8	EPA 624	J62870-3	05-Jun-07	05-Jul-07	SP219	0307	O	2 ug/l	
I,2-Dichloropropane	78-87-5	EPA 624	J62870-3	05-Jun-07	05-Jul-07	SP219	0307	חַס	1 101	
hane	79-00-5	EPA 624	J62870-3	05-Jun-07	05-Jul-07	SP219	0307	Ωo	1 ug/l	
richloroethene	79-01-6	EPA 624	J62870-3	05-Jun-07	05-Jul-07	SP219	0307	n o	1 ug/l	
hane		EPA 624	J62870-3	05-Jun-07	05-Jul-07	SP219	0307	Πo	1 ug/l	
1,2-Dichlorobenzene		EPA 624	J62870-3	05-Jun-07	05-Jul-07	SP219	2050	ΩÖ	1 ug/l	***************************************
Cyanide 57-12-5		EPA 335.3/LACHAT	J62870-3	05-Jun-07	05-Jul-07	SP219	0307	Ωο	0.01 mg/l	***************************************
Oil And Grease		EPA 1864A	J62870-3	05-Jun-07	05-Jul-07	SP219	0307	n o	5.1 mg/l	
Total	7429-90-5	EPA 200.7	J62870-3	05-Jun-07	05-Jul-07	SP219	0307	0.0	100 uq/l	
ron, Total	7439-89-6	EPA 200.7	J62870-3	05-Jun-07	05-Jul-07	SP219	0307	nio	100 ug/l	
	7439-92-1	EPA 200.7	J62870-3	05-Jun-07	05-Jul-07	SP219	0307	n o	3 ug/l	
Nickel, Total	7440-02-0	EPA 200.7	J62870-3	05-Jun-07	05-Jul-07	SP219	0307	O:0	40 ug/l	***************************************
	7440-38-2	EPA 200.7	J62870-3	05-Jun-07	06-Jul-07	SP219	0307	ΩO	1/bn:8	
Chromium, Total	7440-47-3	EPA 200.7	J62870-3	05-Jun-07	05-Jul-07	SP219	2060	0.0	10 ug/l	
)tal	7440-50-8	EPA 200.7	J62870-3	05-Jun-07	05-Jul-07	SP219	0307	ָם פַּרָח	25 ug/l	
Zinc, Total	7440-88-6	EPA 200.7	J62870-3	05-Jun-07	05-Jul-07	SP219	0307	ΠO	20 ug/l	
Aluminum, Dissolved	7429-90-5	EPA 200.7	J62870-3F	05-Jun-07	05-401-07	SP219	0307	0	100:00	***************************************

	100-41-4	EPA 624	J62870-4	05-Jun-07	05-Jul-07	ž	TRIP BLANK) 0	1:ug/l	/bn
cis-1,3-Dichloropropene	10061-01-5	EPA 624	J62870-4	05-Jun-07	05-Jul-07	ž	TRIP BLANK	ΩÖ	1 ug/l	
trans-1,3-Dichloropropene	10061-02-6	EPA 624	J62870-4	05-Jun-07	05-Jul-07	Š	TRIP BLANK	ΩÖ	1 ug/l	***************************************
1,4-Dichlorobenzene	106-46-7	EPA 624	J62870-4	05-Jun-07	05-Jul-07	Š	TRIP BLANK	٥٦	1 ug/l	
1,2-Dichloroethane	107-06-2	EPA 624	J62870-4	06-Jun-07	06-Jul-07	Š	TRIP BLANK	<u>∩</u> 0	1 ug/l	
Toluene	108-88-3	EPA 624	. J62870-4	05-Jun-07	05-Jul-07	SK	TRIP BLANK) 0 0	1 ug/l	
Chlorobenzene	108-90-7	EPA 624	J62870-4	05-Jun-07	05-Jul-07	NN	TRIP BLANK	n o	1,00/	***************************************
Dibromochloromethane	124-48-1	EPA 624	J62870-4	05-Jun-07	05-Jul-07	SK	TRIP BLANK	ΩO	1.00/	
Tetrachloroethene	127-18-4	EPA 624	J62870-4	05-Jun-07	05~Jul-07	ZN	TRIP BLANK	ΩÖ	1 ug/l	
Xylenes (total)	1330-20-7	EPA 624	J62870-4	05-Jun-07	05-Jul-07	ZY	TRIP BLANK	ΩO	1 ug/l	***************************************
cie-1,2-Dichloroethene	158-59-2	EPA 824	J62870-4	05-Jun-07	05-Jul-07	Ž	TRIP BLANK	חים	1 ug/l	***************************************
trans-1,2-Dichloroethene	158-80-5	EPA 624	J62870-4	05-Jun-07	05-Jul-07	UNK	TRIP BLANK	ΩO	1 ug/l	
1,3-Dichlorobenzene	541-73-1	EPA 624	J62870-4	05-Jun-07	05-Jul-07	Š	TRIP BLANK	0.0	1 ug/l	
Carbon tetrachloride	56-23-5	EPA 624	J62870-4	05-Jun-07	05-Jul-07	ZN	TRIP BLANK	n o	1.00/	***************************************
Chloroform	67-66-3	EPA 624	J62870-4	05-Jun-07	05-Jul-07	NA	TRIP BLANK	0 0	1 ug/l	***************************************
Вепzеле	71-43-2	EPA 624	J62870-4	05-Jun-07	05-Jul-07	Ž	TRIP BLANK	Ωö	1:ug/l	
1,1,1-Trichloroethane	71-55-8	EPA 624	J62870-4	05-Jun-07	05-Jul-07	ZNO	TRIP BLANK	ΩO	1 ug/l	
Methyl bromide	74-83-9	EPA 624	J62870-4	05-Jun-07	05-Jul-07	Š	TRIP BLANK	ΩO	1 ug/l	
Chloromethane	74-87-3	EPA 624	J62870-4	20-Jun-07	06-Jul-07	N N	TRIP BLANK	ΠO	1 ug/l	
Chloroethane	75-00-3	EPA 624	J62870-4	05-Jun-07	05-Jul-07	Ž	TRIP BLANK	0 0	1 ug/l	
Vinyl chloride	75-01-4	EPA 624	J62870-4	05-Jun-07	06-Jul-07	Š	TRIP BLANK	0.0	2 ug/l	
Methylene chloride	75-09-2	EPA 624	J62870-4	06-Jun-07	05-Jul-07	Š	TRIP BLANK	Πö	1 ug/l	
Вготогот	75-25-2	EPA 624	J62870-4	05-Jun-07	05-Jul-07	Š	TRIP BLANK	O O	1 ug/l	***************************************
Bromodichloromethane	75-27-4	EPA 624	J62870-4	05-Jun-07	05-Jul-07	Š	TRIP BLANK	0.0	1 ug/l	
1,1-Dichioroethane	75-34-3	EPA 624	J62870-4	05-Jun-07	05-Jul-07	ž	TRIP BLANK	O O	1 ug/l	
1,1-Dichloroethene	75-35-4	EPA 624	J62870-4	05-Jun-07	05-Jul-07	Ň	TRIP BLANK	0.0	1 ug/l	· · · · · · · · · · · · · · · · · · ·
Trichlorofluoromethane	75-69-4	EPA 624	J62870-4	05-Jun-07	05-Jul-07	N N N	TRIP BLANK	n o	2 ug/l	
Dichlorodifluoromethane	75-71-8	EPA 624	: J62870-4	05-Jun-07	05-Jul-07	Ň	TRIP BLANK	0.0	2 ug/l	***************************************
1,2-Dichloropropane	78-87-5	EPA 624	J62870-4	05-Jun-07	05-Jul-07	Š	TRIP BLANK	70	T ug/l	· · · · · · · · · · · · · · · · · · ·
1,1,2-Trichloroethane	79-00-5	EPA 624	J62870-4	05-Jun-07	05-Jul-07	¥NS	TRIP BLANK	ΩÖ	1 ug/	***************************************
Trichloroethene	79-01-6	EPA 624	J62870-4	05-Jun-07	05-Jul-07	ž	TRIP BLANK	0.0	1 ug/l	
hane	79-34-5	EPA 624	J62870-4	05-Jun-07	05-Jul-07	¥	TRIP BLANK	O O	1.00/	
1.2-Dichlorobenzene	95-50-1	EDA R24	. JR2870-4	05 km 07	1.1 07	71141	100			

DATA USABILITY SUMMARY REPORT FOR JULY 2007 MONTHLY COMPLIANCE MONITORING

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

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

SUMMARY

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

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

"U" - not detected at the value given,

"UJ" - estimated and not detected at the value given,

"J" - estimated at the value given, and

"R" - unusable value.

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

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

VOLATILE ORGANIC ANALYSIS

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

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

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

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

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

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

INORGANIC AND OIL AND GREASE ANALYSIS

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

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

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

7429-90-5 7429-90-5 7429-90-5 7429-90-5 7440-38-2 7440-38-2 7440-47-3 7440-66-6 100-41-4 10061-01-6 108-90-7 108-88-3 108-90-7 108-90-7 108-90-7 108-90-7 108-90-7 108-90-7 108-90-7 108-90-7 108-90-7 108-90-7 108-90-7 108-90-7 108-90-8 108-90-9 10				07-Aug-07 07-Aug-07 07-Aug-07 07-Aug-07 07-Aug-07 07-Aug-07 07-Aug-07 07-Aug-07 07-Aug-07 07-Aug-07 07-Aug-07	SP114 SP114 SP114 SP114 SP114	0707 0707 0707 0707	0 U 0 U 47000 3.7	100 ug/l 100 ug/l 100 ug/l 3 ug/l 40 ug/l	
Aluminum, Total 7429-90-5 EPA 2 Iron, Total 7439-89-6 EPA 2 Lead, Total 7440-32-0 EPA 2 Nickel, Total 7440-38-2 EPA 2 Arsenic, Total 7440-38-2 EPA 2 Copper, Total 7440-47-3 EPA 2 Copper, Total 7440-47-3 EPA 2 Zinc, Total 7440-46-6 EPA 2 Zinc, Total 7440-47-3 EPA 2 Zinc, Total 7440-47-3 EPA 2 Zinc, Total 7440-47-3 EPA 2 Zinc, Total 7440-44-4 EPA 2 Zinc, Total 106-46-7 EPA 2 Itans-1,3-Dichloropene 1006-46-7 EPA 2 Class 108-80-7 EPA 2 Chlorobenzene 127-48-1 EPA 2 Chlorobenzene 127-48-1 EPA 2 Chloropenzenes (total) 1330-20-7 EPA 2 Carbon tetrachloroethene 156-59-2 EPA 2 Carbon tetrachloroethene 71-43-1 EPA 2 Chloroethan	7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7			77-Aug-07 77-Aug-07 77-Aug-07 77-Aug-07 77-Aug-07 77-Aug-07 77-Aug-07 77-Aug-07 77-Aug-07 77-Aug-07	SP114 SP114 SP114 SP114	0707 0707 0707 0707	0 U 47000 3.7	100 ug/l 100 ug/l 3 ug/l 40 ug/l	
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156-59-2 156-60-5 541-73-1 56-23-5 67-66-3 77-55-6 74-83-9 75-00-3 75-01-4 75-09-2 75-27-4 75-34-3				07-Aug-07	SP114	0707	11.2	1 ug/l	
ene 156-60-5 541-73-1 56-23-5 67-66-3 71-43-2 71-43-9 74-87-3 75-00-3 75-00-3 75-00-3 75-00-3 75-00-3 75-00-3 75-00-3 75-00-3			02-Jul-07 0	07-Aug-07	SP114	0707	21.6	1 ug/l	
541-73-1 66-23-5 67-66-3 77-43-2 77-48-9 74-87-3 75-00-3 75-00-3 75-01-4 75-09-2 75-34-3 76-34-3			02-Jul-07 0	07-Aug-07	SP114	0707	0.89	1 ug/l	
56-23-5 67-66-3 77-43-2 77-55-6 74-83-9 75-00-3 75-01-4 75-09-2 75-25-2 75-34-3 75-34-3 75-34-3				07-Aug-07	SP114:	0707	n o	1 ug/l	
67-66-3 71-43-2 71-55-6 74-83-9 775-01-4 775-01-4 775-09-2 775-25-2 ane 75-35-4 ane 75-69-4		J65272-1 02-J		07-Aug-07	SP114	7070	n o	1 ug/l	
71-43-2 71-55-6 74-83-9 75-00-3 75-00-3 75-09-2 75-09-2 75-35-2 ane 75-37-4 31-31-31-31-31-31-31-31-31-31-31-31-31-3				07-Aug-07	SP114	7070) O	1 ug/l	
ne 771-55-5 74-83-9 74-87-3 75-00-3 75-01-4 75-25-2 ane 75-27-4 ane 75-35-4				07-Aug-07	SP114	7070	82.5	1 ug/l	# # # # # # # # # # # # # # # # # # #
74-83-9 74-87-3 75-00-3 75-01-4 75-09-2 75-25-2 ane 75-27-4 ane 75-35-4		-		07-Aug-07	SP114	0707	7.3	1 ug/l	
74-87-3 75-00-3 75-01-4 75-09-2 75-25-2 IRD 75-27-4 75-34-3 75-34-3	7.	65272-1 02-		07-Aug-07	SP114	7070	Ŋο	1 ug/l	
75-00-3 75-01-4 75-09-2 75-25-2 ane 75-27-4 75-34-3 76-36-4				07-Aug-07	SP114	7070	n o	1 ug/l	
75-01-4 75-09-2 75-25-2 ane 75-27-4 75-35-4 ane 75-69-4				07-Aug-07	SP114	7070	1.3	1 ug/l	
75-09-2 75-25-2 ane 75-27-4 75-34-3 75-35-4 ane 75-69-4				07-Aug-07	SP114	7070	58.6	2 ug/l	
75-25-2 rane 75-27-4 75-34-3 76-35-4 rane 75-69-4				07-Aug-07	SP114	7070	Πö	1 ug/l	, , , , , , , , , , , , , , , , , , ,
ane 75-27-4 75-34-3 75-35-4 ane 75-69-4				07-Aug-07	SP114	0707	Πio	1 ug/l	
75-34-3 75-35-4 ane 75-69-4				07-Aug-07	SP114	0707	n.o	1:ug/l	
75-35-4 ane 75-69-4				07-Aug-07	SP114	7070	16.1	1:ug/l	
75-69-4				07-Aug-07	SP114	7070	n o	1 ug/l	
				07-Aug-07	SP114	7070	n o	2 ug/l	
ane		J65272-1 02-	02-Jul-07 c	07-Aug-07	SP114	7070	n o	2 ug/l	3
78-87-5	•••••			07-Aug-07	SP114	7070	Ωo	1 ug/l	
1,1,2-Trichloroethane 79-00-5 EPA 624				07-Aug-07	SP114	0707	Ωo	1 ug/l	
				07-Aug-07	SP114	0707	0.0	1 ug/l	
nane 79-34-5		- -	02-Jul-07 : C	07-Aug-07	SP114	7070	no O	1 ug/l	
1,2-Dichlorobenzene :95-50-1 EPA 624		J65272-1 02	02-Jul-07 C	07-Aug-07	SP114	0707	∩ o	1 ug/l	

Analyte	cesno	Method	Lebsampid	Date Sampled	Validation Date	Sample	Location	Result Code	RL Units Valid Result Valid Code	Valid Code
÷	100-41-4	EPA 624	J85272-2	02-Jul-07	07-Aug-07	SP217	0707	0.0	1 ug/l	100000000000000000000000000000000000000
cis-1,3-Dichloropropene	10061-01-	10061-01-5 EPA 624	J65272-2	02-Jul-07	07-Aug-07	SP217	7070	D.O	1 ug/l	
trans-1,3-Dichloropropene:10061-02-6:EPA 624	10061-02-	6 EPA 624	J65272-2	02-Jul-07	07-Aug-07	SP217	7070	ΩºO	1:ug/l	
1,4-Dichlorobenzene	106-46-7	EPA 624	J65272-2	02-Jul-07	07-Aug-07	SP217	7070	Ωo	1 ug/l	
1,2-Dichloroethane	107-06-2	EPA 624	J65272-2	02-Jul-07	07-Aug-07	SP217	0707	ΩO	1 ug/l	
Toluene	108-88-3	EPA 624	J65272-2	02-Jul-07	07-Aug-07	SP217	7070	n o	1/bn:	
Chlorobenzene	108-90-7	EPA 624	J65272-2	02-Jul-07	07-Aug-07	SP217	7070	Ωo	1 ug/l	
Dibromochloromethane	124-48-1	EPA 624	J65272-2	02-Jul-07	07-Aug-07	SP217	7070) o	1'ng/l	
Tetrachloroethene	127-18-4	EPA 624	J65272-2	02-Jul-07	07-Aug-07	SP217	7070	n o	1 ug/l	
Xylenes (total)	1330-20-7	EPA 624	J65272-2	02-Jul-07	07-Aug-07	SP217	0707	Ωio	1 ug/l	
cis-1,2-Dichloroethene	156-59-2	EPA 624	J65272-2	02-Jul-07	07-Aug-07	SP217	7070	1.4	1 ug/l	
trans-1,2-Dichloroethene	156-60-5	EPA 624	J65272-2	02-Jul-07	07-Aug-07	SP217	7070	O:O	Tugil	
1,3-Dichlorobenzene	541-73-1	EPA 624	J65272-2	02-Jul-07	07-Aug-07	SP217	7070	n o	Tug/	
Carbon tetrachloride	56-23-5	EPA 624	J65272-2	02-Jul-07	07-Aug-07	SP217	7070	Ü	Tug/	***************************************
Chloroform	67-66-3	EPA 624	J65272-2	02-Jul-07	07-Aug-07	SP217	7070	2.1	TugA	
Benzene	71-43-2	EPA 624	J65272-2	02-Jul-07	07-Aug-07	SP217	7070	0.0	1:ug/l	
1,1,1-Trichloroethane	71-55-6	EPA 624	J85272-2	02-Jul-07	07-Aug-07	SP217	7070	1.2	1:ug/l	
Bromomethane	74-83-9	EPA 624	J65272-2	02-Jul-07	07-Aug-07	SP217	7070	D 0	1 ug/l	
Chloromethane	74-87-3	EPA 624	J65272-2	02-Jul-07	07-Aug-07	SP217	0707	0.0	1 ug/l	
Chloroethane	75-00-3	EPA 624	J65272-2	02-Jul-07	07-Aug-07	SP217	7070	D.O	1 ug/l	
Vinyl chloride	75-01-4	EPA 624	J65272-2	02-Jul-07	07-Aug-07	SP217	7070	0.0	2 ug/l	***************************************
Methylene chloride	75-09-2	EPA 624	J65272-2	02-Jul-07	07-Aug-07	SP217	0707	0.0	1 ug/l	
Bromoform	75-25-2	EPA 624	J65272-2	02-Jul-07	07-Aug-07	SP217	7070	0.0	1 ug/l	
Dichlorobromomethane	75-27-4	EPA 624	J85272-2	02-Jul-07	07-Aug-07	SP217	0707	0.47	1 ug/l	
1,1-Dichloroethane	75-34-3	EPA 624	J65272-2	02-Jul-07	07-Aug-07	SP217	0707	6.1	1 ug/l	
1,1-Dichloroethene	75-35-4	EPA 624	J65272-2	02-Jul-07	07-Aug-07	SP217	0707	2	Lguil	
Trichlorofluoromethane	75-69-4	EPA 624	J65272-2	02-Jul-07	07-Aug-07	SP217	7070	0.0	2 ug/l	
Dichlorodifluoromethane	75-71-8	EPA 624	J65272-2	02-Jul-07	07-Aug-07	SP217	70/0) o	2 ug/l	3
1,2-Dichloropropane	78-87-5	EPA 624	J65272-2	02-Jul-07	07-Aug-07	SP217	0707	O O	1 ug/l	
1,1,2-Trichloroethane	79-00-5	EPA 624	J65272-2	02-Jul-07	07-Aug-07	SP217	7070	n o	1 ug/l	
Trichloroethene		EPA 624	J65272-2	02-Jul-07	07-Aug-07	SP217	7070) 0	1 ug/l	******
1,1,2,2-Tetrachloroethane	79-34-5	EPA 624	J65272-2	02-Jul-07	07-Aug-07	SP217	0707	O.O	1 ug/l	
1,2-Dichlorobenzene	95-50-1	EPA 624	J65272-2	02-Jul-07	07-Aug-07	SP217	7070) O	Tugy	

Analyte	GBSNO	Method	absambio	Date Sampled	Validation Date	Sample	Coation	Result Code	R Cats	
Oil And Grease		EPA 1664A	J65272-3	02-Jul-07	07-Aug-07	2	ŝ	n o	5.1 mg/l	
Aluminum, Dissolved	7429-90-5	EPA 200.7	J65272-3F	02-74-07	07-Aug-07	SP219	7070	n o	100 ua/l	
Aluminum, Total		EPA 200.7	J65272-3	02-Jul-07	07-Aug-07	SP219	0707	Ω°	100:ua/l	
Iron, Total		EPA 200.7	J65272-3	02-Jul-07	07-Aug-07	SP219	0707	Ωö	100 ug/l	· · · · · · · · · · · · · · · · · · ·
Lead, Total	7439-92-1	EPA 200.7	J65272-3	02-Jul-07	07-Aug-07	SP219	7070	ΩO	3 ug/l	
Nickel, Total	7440-02-0	EPA 200.7	J65272-3	02-Jul-07	07-Aug-07	SP219	7070	Ωo	40 ug/l	
Arsenic, Total	140-38-2	EPA 200.7	J65272-3	02-Jul-07	07-Aug-07	SP219	0707	0.0	8 ug/l	
Chromium, Total	40-47-3	EPA 200.7	J65272-3	02-Jul-07	07-Aug-07	SP219	0707) O	10 ug/l	
Copper, Total	7440-50-8	EPA 200.7	J65272-3	02-Jul-07	07-Aug-07	SP219	0707	0 0	25 ug/l	
Zinc, Total	7440-66-6	EPA 200.7	J65272-3	02-Jul-07	07-Aug-07	SP219	0707	000	20 ug/l	·····
	57-12-5	EPA 335.3/LACHAT	. J65272-3	02-Jul-07	07-Aug-07	SP219	0707	0 0	0.01 mg/l	
Ethylbenzene	100-41-4	EPA 624	J65272-3	02-Jul-07	07-Aug-07	SP219	0707) O	1 ug/l	
cis-1,3-Dichloropropene 10061-01-5	10061-01-5	EPA 624	J65272-3	02-Jul-07	07-Aug-07	SP219	7070	0.0	1 ug/l	
trans-1,3-Dichloropropene 10061-02-6	10061-02-6	EPA 624	J65272-3	02-Jul-07	07-Aug-07	SP219	7070) O	l'gu'l	
,4-Dichlorobenzene	106-46-7	EPA 624	J65272-3	02-Jul-07	07-Aug-07	SP219	0707	ΠO	1 ug/l	
loroethane	107-06-2		J65272-3	02-Jul-07	07-Aug-07	SP219	0707	Ωo	1 ug/l	
•	108-88-3	EPA 624	J65272-3	02-Jul-07	07-Aug-07	SP219	0707	Ωo	1 ug/l	
	108-90-7	EPA 624	J65272-3	02-Jul-07	07-Aug-07	SP219	7070	Ωo	1 ug/l	
Dibromochloromethane	124-48-1	EPA 624	J65272-3	02-Jul-07	07-Aug-07	SPZ19	0707) O	1 ug/l	
Tetrachloroethene	127-18-4	EPA 624	J65272-3	02-Jul-07	07-Aug-07	SP219	0707) O	1 ug/l	4
Xylenes (total)	1330-20-7	EPA 624	J65272-3	02-Jul-07	07-Aug-07	SP219	0707	O.O	1 ug/l	
cls-1,2-Dichloroethene	156-59-2	EPA 624	J65272-3	02-Jul-07	07-Aug-07	SP219	0707	n:o	1 ug/l	
trans-1,2-Dichloroethene	156-80-5	EPA 624	J65272-3	02-Jul-07	07-Aug-07	SP219	0707	n:o	1'gu:1	
1,3-Dichlorobenzene	541-73-1	EPA 624	J65272-3	02-Jul-07	07-Aug-07	SP219	0707	n.o	1 ug/l	· • • • • • • • • • • • • • • • • • • •
Carbon tetrachloride	56-23-5	EPA 624	J65272-3	02-Jul-07	07-Aug-07	SP219	0707	O.o	1:ug/l	
hloroform	67-66-3	EPA 624	J65272-3	02-Jul-07	07-Aug-07	SP219	0707	n. o	1 ug/l	
Jenzene	71-43-2	EPA 624	J65272-3	02-Jul-07	07-Aug-07	SP219	0707	n o	1'gu	: ;;; ;; ;; ;; ;; ;; ;; ;; ;; ;; ;; ;; ;
1,1,1-Trichloroethane 71-55-6	71-55-6	EPA 624	J65272-3	02-Jul-07	: 07-Aug-07	SP219	0707	Ü	1:ug/l	
Bromomethane	74-83-9	EPA 624	J65272-3	02-Jul-07	07-Aug-07	SP219	0707	O o	1 ug/l	· · · · · · · · · · · · · · · · · · ·
	74-87-3	EPA 624	J65272-3	02-Jul-07	07-Aug-07	SP219	0707	Ωo	1 ug/l	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
***************************************	75-00-3	EPA 624	J65272-3	02-Jul-07	: 07-Aug-07	SP219	0707	∩ o	1 ug/l	* * * * * * * * * * * * * * * * * * *
Vinyl chloride	75-01-4	EPA 624	J65272-3	02-Jul-07	07-Aug-07	SP219	7070	n.o	2 ug/l	
Methylene chloride	75-09-2	EPA 624	J65272-3	02-Jul-07	07-Aug-07	SP219	0707	n o	1 ug/l	6
	75-25-2	EPA 624	J65272-3	02-Jul-07	07-Aug-07	SP219	0707	Ωo	1 ug/l	
апе	75-27-4	EPA 624	J65272-3	02-Jul-07	07-Aug-07	SP219	0707	n o	1 ug/l	· · · · · · · · · · · · · · · · · · ·
	75-34-3	EPA 624	J65272-3	02-Jul-07	07-Aug-07	SP219	0707	Ωo	1 ug/l	
I,1-Dichloroethene	75-35-4	EPA 624	J65272-3	02-Jul-07	07-Aug-07	SP219	0707	n o	l'eu r	· · · · · · · · · · · · · · · · · · ·
;	75-69-4	EPA 624	J65272-3	02-Jul-07	07-Aug-07	SP219	0707	n o	2 ug/l	,
Dichlorodifluoromethane		EPA 624	J65272-3	02-Jul-07	07-Aug-07	SP219	0707	Ωo	2 ug/l	3
	78-87-5	EPA 624	J65272-3	: 02-Jul-07	07-Aug-07	SP219	7070	Ω°	1 ug/l	
han		EPA 624	J65272-3	02-Jul-07	07-Aug-07	SP219	0707	Ω°	1 ug/l	
[richloroethene	79-01-6	EPA 624	J65272-3	02-Jul-07	07-Aug-07	SP219	0707	O.O.	1 ug/l	
1,1,2,2-Tetrachloroethane :79-34-5	79-34-5	EPA 624	J65272-3	02-Jul-07	07-Aug-07	SP219	0707	O.O	1 ug/l	*****
2-Dichlorobenzene	.05.50.1	FPA 624	: IR5272 a	: 02-hi_07	. 07. Aug. D7	. 0.000	1010			

Ethylbenzene cls-1,3-Dichloropropene	7 77 007		*************								2000
cls-1,3-Dichloropropene	100474	EPA 624	J65272-4	02-Jul-07	07-Aug-07	SK	TRIP BLANK	O.O.			- Constitution of the Cons
***************************************	10061-01-5 EPA 624	EPA 624	J65272-4	02-Jul-07	07-Aug-07	Z	TRIP BLANK	D.O.	1 ug/l		
trans-1,3-Dichloropropene 10061-02-6 EPA 624	10061-02-6	EPA 624	J65272-4	02-Jul-07	07-Aug-07	Z	TRIP BLANK	ΩO	1:ug/l		
1,4-Dichlorobenzene	106-46-7	EPA 624	J65272-4	02-Jul-07	07-Aug-07	N	TRIP BLANK		1:ug/l	· · · · · · · · · · · · · · · · · · ·	
1,2-Dichloroethane	107-06-2	EPA 624	J65272-4	02-Jul-07	07-Aug-07	Ž	TRIP BLANK		1 ug/l		
Гојиеле	108-88-3	EPA 624	J65272-4	02-Jul-07	07-Aug-07	X N	TRIP BLANK) O	1 ug/l	· · · · · · · · · · · · · · · · · · ·	
Chlorobenzene	108-90-7	EPA 624	J65272-4	02-Jul-07	07-Aug-07	Š	TRIP BLANK		1:ug/l		
Dibromochloromethane	124-48-1	EPA 624	J65272-4	02-Jul-07	07-Aug-07	Š	TRIP BLANK		1 ug/l	***************************************	
Tetrachloroethene	127-18-4	EPA 624	J65272-4	02-Jul-07	07-Aug-07	1	TRIP BLANK		1/gn: L		
Xylenes (total)	1330-20-7	EPA 624	J65272-4	02-Jul-07	07-Aug-07		TRIP BLANK		1/0n L		
cis-1,2-Dichloroethene	156-59-2	EPA 624	J65272-4	02-Jul-07	07-Aug-07		TRIP BLANK		1 ug/l	***************************************	
trans-1,2-Dichloroethene	156-60-5	EPA 624	J65272-4	02-Jul-07	07-Aug-07	ĵ	TRIP BLANK		1 ug/l		
1,3-Dichlorobenzene	541-73-1	EPA 624	J65272-4	02-Jul-07	07-Aug-07	1	TRIP BLANK		1 ug/l		
Carbon tetrachloride	56-23-5	EPA 624	J65272-4	02-Jul-07	07-Aug-07	•	TRIP BLANK		1/6n:L	S	
Chloroform	67-66-3	EPA 624	J65272-4	02-Jul-07	07-Aug-07	1	TRIP BLANK		1 ug/l		
Benzene	71-43-2	EPA 624	J65272-4	02-Jul-07	07-Aug-07	X N	TRIP BLANK		1 ug/l		
1,1,1-Trichloroethane	71-55-6	EPA 624	J65272-4	02-Jul-07	07-Aug-07	1	TRIP BLANK	ΩO	1,00/		
Bromomethane	74-83-9	EPA 624	J65272-4	02-Jul-07	07-Aug-07	1	TRIP BLANK		1 ug/l	in in the second	
Chloromethane	74-87-3	EPA 624	J65272-4	02-Jul-07	07-Aug-07	ž	TRIP BLANK	ΩO	1 ug/l		
Chloroethane	75-00-3	EPA 624	J65272-4	02-Jul-07	07-Aug-07	;····	TRIP BLANK	Ωo	1 ug/l	3	
Vinyl chloride	75-01-4	EPA 624	J65272-4	02-Jul-07	07-Aug-07		TRIP BLANK	Ωö	2:ug/l		
Methylene chloride	75-09-2	EPA 624	J65272-4	02-Jul-07	07-Aug-07	Š	TRIP BLANK	Ωo	1 ug/l		
Вготогогт	75-25-2	EPA 624	J65272-4	02-Jul-07	07-Aug-07		TRIP BLANK		1 ug/l		
Dichlorobromomethane	75-27-4	EPA 624	J65272-4	02-Jul-07	07-Aug-07	ZN	TRIP BLANK	ΩO	1 ug/l	÷	
1,1-Dichloroethane	75-34-3	EPA 624	J65272-4	02-Jul-07	07-Aug-07		TRIP BLANK		1/gu L	***************************************	
1,1-Dichloroethene	75-35-4	EPA 624	J65272-4	02-Jul-07	07-Aug-07	ZY	TRIP BLANK	n o	1 ug/l		
Trichlorofluoromethane	75-69-4	EPA 624	J65272-4	02-Jul-07	07-Aug-07	:	TRIP BLANK		2 ug/l	3	
Dichlorodifluoromethane	75-71-8	EPA 624	J65272-4	02-Jul-07	07-Aug-07	: :	TRIP BLANK		2:ug/l	3	
1,2-Dichloropropane	78-87-5	EPA 624	J65272-4	02-Jul-07	07-Aug-07	:	TRIP BLANK		1 ug/l		
1,1,2-Trichloroethane	79-00-5	EPA 624	J65272-4	02-Jul-07	07-Aug-07		TRIP BLANK		1 ug/l		
Trichloroethene	79-01-6	EPA 624	J65272-4	02-Jul-07	07-Aug-07		TRIP BLANK		1 ug/l		
1,1,2,2-Tetrachloroethane 79-34-5	79-34-5	EPA 624	J65272-4	02-Jul-07	07-Aug-07	ZX	TRIP BLANK	no	1 ug/l	**************************************	
1,2-Dichlorobenzene	95-50-1	EPA 624	J65272-4	02-Jul-07	07-Aug-07	ZY	TRIP BLANK	n o	1:ug/l		

DATA USABILITY SUMMARY REPORT FOR AUGUST 2007 MONTHLY COMPLIANCE MONITORING

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

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

SUMMARY

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

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

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

"J" – estimated at the value given, and

"R" - unusable value.

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

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

VOLATILE ORGANIC ANALYSIS

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

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

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

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

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

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

INORGANIC AND OIL AND GREASE ANALYSIS

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

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

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

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

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

761 . 10		STATE OF THE PROPERTY OF THE P	1	Section of the section of the section of	Nonestrando producto de despesa de Section de Constante d		2000-100-100-100-100-100-100-100-100-100	Oliberotechnical Dombododen	
Ethylbenzene	100-41-4	EPA 624	J67991-1	02-Aug-07	30-Aug-07	SP114	2080	4.3	1;ng/l
cis-1,3-Dichlorapropene	10061-01-5	EPA 624	J67991-1	02-Aug-07	30-Aug-07	SP114	0807	ე 0	/on:
trans-1,3-Dichloropropene	****	EPA 624	J67991-1	02-Aug-07	30-Aug-07	SP114	0807	ŋ°	1 ug/l
,4-Dichlorobenzene	106-46-7	EPA 624	J67991-1	02-Aug-07	30-Aug-07	SP114	7080) o	1 ug/l
2-Dichloroethane	107-06-2	EPA 624	J67991-1	02-Aug-07	30-Aug-07	SP114	0807) 0	1 ug/l
oluene	108-88-3	EPA 624	J67991-1	02-Aug-07	30-Aug-07	SP114	0807	6.4	1 ug/l
Chlorobenzene	108-90-7	EPA 624	J67991-1	02-Aug-07	30-Aug-07	SP114	0807	D o	1'ug/l
Dibromochloromethane	124-48-1	EPA 624	J67991-1	02-Aug-07	30-Aug-07	SP114	0807	O O	1 ug/l
letrachloroethene	I	EPA 624	. J67991-1	02-Aug-07	30-Aug-07	SP114	0807	Ωo	1 ug/
Xylenes (total)	1330-20-7	EPA 624	J67991-1	02-Aug-07	30-Aug-07	SP114	0807	8.7	1 ug/l
cis-1,2-Dichloroethene	156-59-2	EPA 624	J67991-1	02-Aug-07	30-Aug-07	SP114	0807	12.3	1 ug/
trans-1,2-Dichloroethene	156-60-5	EPA 624	J67991-1	02-Aug-07	30-Aug-07	SP114	0807	0.73 J	1 ug/l
,3-Dichlorobenzene	541-73-1	EPA 624	J67991-1	02-Aug-07	30-Aug-07	SP114	0807	٥٥	1 ug/l
Carbon tetrachloride	56-23-5	EPA 624	J67991-1	02-Aug-07	30-Aug-07	SP114	0807	O O	1 ug/[
Chloroform	67-66-3	EPA 624	J67991-1	02-Aug-07	30-Aug-07	SP114	0807	∩ 0	1 ug/l
Велzene	71-43-2	EPA 624	J67991-1	02-Aug-07	30-Aug-07	SP114	0807	74.5	1 ug/l
,1,1-Trichloroethane	71-55-6	EPA 624	J67991-1	02-Aug-07	30-Aug-07	SP114	0807	6.9	1 ug/
Вгототеthane	74-83-9	EPA 624	J67991-1	02-Aug-07	30-Aug-07	SP114	0807	٥٥	1 ug/l
Chloromethane	74-87-3	EPA 624	J67991-1	02-Aug-07	30-Aug-07	SP114	0807	⊃°	1 ug/l
Chloroethane	75-00-3	EPA 624	J67991-1	02-Aug-07	30-Aug-07	SP114	0807	0.92 J	1 ug/l
Vinyl chloride	75-01-4	EPA 624	J67991-1	02-Aug-07	30-Aug-07	SP114	7080	63.1	2 ug/l
Methylene chloride	75-09-2	EPA 624	J67991-1	02-Aug-07	30-Aug-07	SP114	0807	n o	1 ug/l
Вготобогт	75-25-2	EPA 624	J67991-1	02-Aug-07	30-Aug-07	SP114	0807	∩ 0	1 ug/l
Dichlorobromomethane	75-27-4	EPA 624	J67991-1	02-Aug-07	30-Aug-07	SP114	0807	n o	1 ug/l
1-Dichloroethane	1-:	EPA 624	: J67991-1	02-Aug-07	30-Aug-07	SP114	0807	14.6	1 ug/l
1-Dichloroethene		EPA 624	J67991-1	02-Aug-07	30-Aug-07	SP114	0807	O 0	1 ug/l
richlorofluoromethane	75-69-4	EPA 624	J67991-1	02-Aug-07	30-Aug-07	SP114	0807	⊃ 0	2 ug/l
Dichlorodifluoromethane	75-71-8	EPA 624	J67991-1	02-Aug-07	30-Aug-07	SP114	0807	n o	2 ug/l
2-Dichloropropane	78-87-5	EPA 624	J67991-1	02-Aug-07	30-Aug-07	SP114	0807	ე0	1 ug/l
,1,2-Trichloroethane	79-00-5	EPA 624	J67991-1	02-Aug-07	30-Aug-07	SP114	0807	0.0	1 ug/l
richloroethene	79-01-6	EPA 624	J67991-1	02-Aug-07	30-Aug-07	SP114	0807	Ωo	1 ug/l
,1,2,2-Tetrachloroethane	79-34-5	EPA 624	J67991-1	02-Aug-07	30-Aug-07	SP114	0807	Ωo	1 ug/l
,2-Dichlorobenzene		EPA 624	J67991-1	02-Aug-07	30-Aug-07	SP114	0807	0	1'ug/
Aluminum, Total	7429-90-5	EPA 200.7	J67991-1	02-Aug-07	30-Aug-07	SP114	0807	Ωo	100 ug/l
Iron, Total	7439-89-6	EPA 200.7	J67991-1	02-Aug-07	30-Aug-07	SP114	0807	46200	100 ug/l
Lead, Total	7439-92-1	EPA 200.7	. J67991-1	02-Aug-07	30-Aug-07	SP114	0807	3.1	3 ug/l
Nickel, Total	7440-02-0	EPA 200.7	J67991-1	02-Aug-07	30-Aug-07	SP114	0807) o	40 ug/l
Arsenic, Total	7440-38-2	EPA 200.7	J67991-1	02-Aug-07	30-Aug-07	SP114	0807	117	8 ug/l
Chromium, Total	7440-47-3	EPA 200.7	J67991-1	02-Aug-07	30-Aug-07	SP114	0807	0.0	10 ug/l
Copper, Total	7440-50-8	EPA 200.7	J67991-1	02-Aug-07	30-Aug-07	SP114	0807	0 0	25 ug/l
7ing Total									

Analyte	casno	Method	Labsempid	Date Sampled	Validation Date	Sample	Location	Result Code	150	RE Units Valid Result Valid Code	Valid Code
Ethylbenzene	100-41-4	EPA 624	J67991-2	02-Aug-07		SP217	0807		l'gu:L		the decrease acceptance of the control of the contr
cls-1,3-Dichloropropene	10061-01-5	EPA 624	J67991-2	02-Aug-07		SP217	0807	Ω°	1:ug/l		
trans-1,3-Dichloropropene	10061-02-6	EPA 624	J67991-2	02-Aug-07	30-Aug-07	SP217	0807	n	1 ug/	******	
1,4-Dichlorobenzene	106-46-7	EPA 624	. J67991-2	02-Aug-07	30-Aug-07	SP217	7080	n o	1 ug/		******
1,2-Dichloroethane	107-06-2	EPA 624	J67991-2	02-Aug-07	30-Aug-07	SP217	0807	n o	1 ug/		
Toluene	108-88-3	EPA 624	J67991-2	02-Aug-07	30-Aug-07	SP217	0807	000	1 ug/	***************************************	
Chlarobenzene	108-90-7	EPA 624	J67991-2	02-Aug-07	30-Aug-07	SP217	0807) 0	1 ug/		
Dibromochloromethane	124-48-1	EPA 624	J67991-2	02-Aug-07	30-Aug-07	SP217	0807	0 0	1 ug/		
Tetrachloroethene	127-18-4	EPA 624	J67991-2	02-Aug-07	30-Aug-07	SP217	0807	<u> </u>	1 ug/		
Xylenes (total)	1330-20-7	EPA 624	J67991-2	02-Aug-07	30-Aug-07	SP217	0807) 0	/Bn: -		******
cis-1,2-Dichloroethene	156-59-2	EPA 624	J67991-2	02-Aug-07	30-Aug-07	SP217	0807	0,	1.ug/l		
trans-1,2-Dichloroethene	156-60-5	EPA 624	J67991-2	02-Aug-07	30-Aug-07	SP217	0807	0.0	1 ug/		
1,3-Dichlorobenzene	541-73-1	EPA 624	J67991-2	02-Aug-07	30-Aug-07	: SP217	0807	ΠO	1 ug/		
Carbon tetrachloride	56-23-5	EPA 624	J67991-2	02-Aug-07	30-Aug-07	SP217	0807	∩ 0	1 ug/		
Chloroform	67-66-3	EPA 624	J67991-2	02-Aug-07	30-Aug-07	SP217	0807	2.5	1 ug/		
Benzene	71-43-2	EPA 624	J67991-2	02-Aug-07	30-Aug-07	SP217	0807	Ωo	1 ug/		**************************************
1,1,1-Trichloroethane	71-55-6	EPA 624	J67991-2	02-Aug-07	30-Aug-07	SP217	0807	Ţ	1 ug/		
Bromomethane	74-83-9	EPA 624	J67991-2	02-Aug-07	30-Aug-07	SP217	0807	O o	1 ug/l		
Ohloromethane	74-87-3	EPA 624	J67991-2	02-Aug-07	30-Aug-07	SP217	0807	٥٥	1 ug/		
Chloroethane	75-00-3	EPA 624	J67991-2	02-Aug-07	30-Aug-07	SP217	0807	0	1 ug/l		3
Vinyl chloride	75-01-4	EPA 624	J67991-2	02-Aug-07	30-Aug-07	SP217	0807	n o	2 ug/l		
Methylene chloride	75-09-2	EPA 624	J67991-2	02-Aug-07	30-Aug-07	SP217	7080	0 0	1 ug/	**************************************	
Bromoform	75-25-2	EPA 624	J67991-2	02-Aug-07	30-Aug-07	SP217	0807	0.0	1 ug/	**************************************	
Dichlorobromomethane	75-27-4	EPA 624	J67991-2	02-Aug-07	30-Aug-07	SP217	0807	0.68 J	1 ug/		
1,1-Dichloroethane	75-34-3	EPA 624	J67991-2	02-Aug-07	30-Aug-07	SP217	0807	5.7	1 ug/		
1,1-Dichloroethene	75-35-4	EPA 624	J67991-2	02-Aug-07	30-Aug-07	SP217	0807	⊃ 0	1 ug/		
Trichlorofluoromethane	75-69-4	EPA 624	J67991-2	02-Aug-07	30-Aug-07	SP217	0807	n o	2 ug/l		***************************************
Dichlorodifluoromethane	75-71-8	EPA 624	J67991-2	02-Aug-07	30-Aug-07	SP217	0807	n o	2:ug/		*****
1,2-Dichloropropane	78-87-5	EPA 624	J67991-2	02-Aug-07	30-Aug-07	SP217	0807	n o	1 ug/		*****
1,1,2-Trichloroethane	79-00-5	EPA 624	J67991-2	02-Aug-07	30-Aug-07	SP217	0807	∩.º	1.0g/		
Trichloroethene	79-01-6	EPA 624	J67991-2	02-Aug-07	30-Aug-07	SP217	0807	<u>∩</u> °	1 ug/		•••••
1,1,2,2-Tetrachloroethane	79-34-5	EPA 624	J67991-2	02-Aug-07	30-Aug-07	SP217	0807	<u> </u>	1.ug/	***	
1,2-Dichlorobenzene	95-50-1	EPA 624	J67991-2	02-Aug-07	30-Aug-07	SP217	0807	0.0	1:ug/		

					-Vall-tautil Tota	Enon in	COGNO	Kesuit Look	Y TOTAL	
Ethylbenzene	100-41-4	EPA 624	J67991-3	02-Aug-07	30-Aug-07	SP219	¥	O O	7	
cis-1,3-Dichloropropene	10061-01-5	EPA 624	J67991-3	02-Aug-07	30-Aug-07	SP219	0807	110	1011	
trans-1,3-Dichloropropene	ne 10061-02-6	EPA 624	J67991-3	02-Aug-07	30-Aug-07	SP219	0807		/CITIL	
,4-Dichlorobenzene	106-46-7		J67991-3	02-Aug-07	30-Aug-07	SP219	0807	n o	1:00/	
1,2-Dichloroethane	107-06-2	EPA 624	J67991-3	02-Aug-07	30-Aug-07	SP219	0807	n o	1 ud/	
Toluene	108-88-3	EPA 624	J67991-3	02-Aug-07	30-Aug-07	SP219	0807	0.0	1:00/	
	108-90-7	EPA 624	J67991-3	02-Aug-07	30-Aug-07	SP219	0807	0.0	1 ug/l	
Dibromochloromethane	124-48-1	EPA 624	J67991-3	02-Aug-07	30-Aug-07	SP219	0807	0.0	1 ua/	
ene	127-18-4	EPA 624	J67991-3	02-Aug-07	30-Aug-07	SP219	0807	٥٥	1:ug/l	
Xylenes (total)	1330-20-7	EPA 624	J67991-3	02-Aug-07	30-Aug-07	SP219	0807	0.0	100/	•
cis-1,2-Dichloroethene	156-59-2	EPA 624	J67991-3	02-Aug-07	30-Aug-07	SP219	0807	0.0	1 uol	
trans-1,2-Dichloroethene	156-60-5	EPA 624	J67991-3	02-Aug-07	30-Aug-07	SP219	0807	0.0	1 ua/	
1,3-Dichlorobenzene	541-73-1	EPA 624	J67991-3	02-Aug-07	30-Aug-07	SP219	0807	0.0	1 ug/l	
Carbon tetrachloride	56-23-5	EPA 624	J67991-3	02-Aug-07	30-Aug-07	SP219	0807	0 0	1 ug/l	
Chloroform	67-66-3	EPA 624	J67991-3	02-Aug-07	30-Aug-07	SP219	0807	0 0	1 un/	
Benzene	71-43-2	EPA 624	J67991-3	02-Aug-07	30-Aug-07	SP219	0807	n o	1 ua/l	
1,1,1-Trichloroethane	71-55-6	EPA 624	J67991-3	02-Aug-07	30-Aug-07	SP219	0807	0.0	ן מין נ	
Bromomethane	74-83-9	EPA 624	J67991-3	02-Aug-07	30-Aug-07	SP219	0807	0.0	1 ua/l	
Chloromethane	74-87-3	EPA 624	J67991-3	02-Aug-07	30-Aug-07	SP219	0807	0.0	וחתן	
Chloroethane	75-00-3	EPA 624	J67991-3	02-Aug-07	30-Aug-07	SP219	0807	O O	1:00/	
Vinyl chloride	75-01-4	EPA 624	J67991-3	02-Aug-07	30-Aug-07	SP219	0807	0.0	2 00/	
Methylene chloride	75-09-2	EPA 624	J67991-3	02-Aug-07	30-Aug-07	SP219	0807) 0	1.ug/l	
Bromoform	75-25-2	EPA 624	J67991-3	02-Aug-07	30-Aug-07	SP219	0807	٥٥	1 ug/l	
Dichlorobromomethane	75-27-4	EPA 624	J67991-3	02-Aug-07	30-Aug-07	SP219	0807	٥٥	1 ug/l	
1,1-Dichloroethane	75-34-3	EPA 624	J67991-3	02-Aug-07	30-Aug-07	SP219	0807	0.0	1,00/1	
1,1-Dichloroethene	75-35-4	EPA 624	J67991-3	02-Aug-07	30-Aug-07	SP219	0807	n o	1 00/	
- 1	75-69-4	EPA 624	J67991-3	02-Aug-07	30-Aug-07	SP219	0807	O O	2 ug/l	
ane	75-71-8	EPA 624	J67991-3	02-Aug-07	30-Aug-07	SP219	0807	O 0	2:ug/l	
1,2-Dichloropropane		EPA 624	J67991-3	02-Aug-07	30-Aug-07	SP219	0807	0.0	1 ug/l	
1,1,2-Trichloroethane	79-00-5	EPA 624	J67991-3	02-Aug-07	30-Aug-07	SP219	0807	0	1 ug/l	
l'richloroethene	79-01-6	EPA 624	J67991-3	02-Aug-07	30-Aug-07	SP219	0807	0.0	Lan	
hane	79-34-5	EPA 624	J67991-3	02-Aug-07	30-Aug-07	SP219	0807	0.0	1 ug/l	
I,2-Dichlorobenzene	95-50-1	EPA 624	J67991-3	02-Aug-07	30-Aug-07	SP219	0807) O	1:ug/l	
	57-12-5	EPA 335,3/LACHAT	J67991-3	02-Aug-07	30-Aug-07	SP219	7080	0.0	0.01 mg/l	
Oll And Grease		EPA 1664A	J67991-3	02-Aug-07	30-Aug-07	SP219	0807	0 0	5.1 mg/l	
Aluminum, Total	7429-90-5	EPA 200.7	J67991-3	02-Aug-07	30-Aug-07	SP219	0807	ΩO	100 ца/	
Iron, Total	7439-89-6	EPA 200.7	J67991-3	02-Aug-07	30-Aug-07	SP219	0807	0	100;ua/l	
Lead, Total	7439-92-1	EPA 200.7	J67991-3	02-Aug-07	30-Aug-07	SP219	0807) O	3:Ua)	
Nickel, Total	7440-02-0	EPA 200.7	J67991-3	02-Aug-07	30-Aug-07	SP219	0807	∩ o	40:ug/l	
Arsenic, Total	7440-38-2	EPA 200.7	J67991-3	02-Aug-07	30-Aug-07	SP219	0807	٥٥	8 119/1	
otal	7440-47-3	EPA 200.7	J67991-3	02-Aug-07	30-Aug-07	SP219	7080	n o	10 ug/l	
Copper, Total	7440-50-8	EPA 200.7	J67991-3	02-Aug-07	30-Aug-07	SP219	7080) 0	25 ug/l	
Zinc, Total	7440-66-6	EPA 200.7	J67991-3	02-Aug-07	30-Aug-07	SP219	7080	0	20 ug/l	

Analyte	casho	Method	Labsampid	Date Sampled	Validation Date	Sample	Location	Result Code	В	Units Valid Result Valid Code	Falid Code
Ethylbenzene	100-41-4	EPA 624	J67991-4	02-Aug-07	30-Aug-07	ş	TRIP BLANK	O 			
cis-1,3-Dichloropropene	10061-01-5	EPA 624	J67991-4	02-Aug-07	30-Aug-07	N Y N	TRIP BLANK	0.0	1 ua/l	· · · · · · · · · · · · · · · · · · ·	
trans-1,3-Dichloropropene 10061-02-6	10061-02-6	EPA 624	J67991-4	02-Aug-07	30-Aug-07	Š	TRIP BLANK	∩ °	1 ug/l		
1,4-Dichlorobenzene	106-46-7	EPA 624	J67991-4	02-Aug-07	30-Aug-07	Ž	TRIP BLANK	0 0	1 ug/l		
1,2-Dichloroethane	107-06-2	EPA 624	J67991-4	02-Aug-07	30-Aug-07	ž	TRIP BLANK	0 0	1 49/		
Toluene	108-88-3	EPA 624	J67991-4	02-Aug-07	30-Aug-07	Š	TRIP BLANK) 0	1;ug/l		
Chlorobenzene	108-90-7	EPA 624	J67991-4	02-Aug-07	30-Aug-07	ž	TRIP BLANK) 0	1 ug/l		
Dibromochloromethane	124-48-1	EPA 624	J67991-4	02-Aug-07	30-Aug-07	ž	TRIP BLANK	0 0	1 ug/l		
Tetrachloroethene	127-18-4	EPA 624	J67991-4	02-Aug-07	30-Aug-07	ž	TRIP BLANK	0.0	1 ug/l		
Xylenes (total)	1330-20-7	EPA 624	J67991-4	02-Aug-07	30-Aug-07	Š	TRIP BLANK	0 0	1 00/1		
cis-1,2-Dichloroethene	156-59-2	EPA 624	J67991-4	02-Aug-07	30-Aug-07	ž	TRIP BLANK	0 0	1 ug/l		
trans-1,2-Dichloroethene	156-60-5	EPA 624	J67991-4	02-Aug-07	30-Aug-07	SE	TRIP BLANK	٥٥	1 ug/l		
1,3-Dichlarobenzene	541-73-1	EPA 624	J67991-4	02-Aug-07	30-Aug-07	Š	TRIP BLANK	0 0	1 40/1		
Carbon tetrachloride	56-23-5	EPA 624	J67991-4	02-Aug-07	30-Aug-07	Š	TRIP BLANK	U O	1 ug/l		
Chloroform	67-66-3	EPA 624	J67991-4	02-Aug-07	30-Aug-07	Š	TRIP BLANK	0 0	1 ug/l		
Benzene	71-43-2	EPA 624	J67991-4	02-Aug-07	30-Aug-07	ž	TRIP BLANK	0 0	1 ug/l		
1,1,1-Trichloroethane	71-55-6	EPA 624	J67991-4	02-Aug-07	30-Aug-07	SK	TRIP BLANK	0.0	1, ug/l		
Bromomethane	74-83-9	EPA 624	J67991-4	02-Aug-07	30-Aug-07	Š	TRIP BLANK	0.0	1 ug/l		***************************************
Chloromethane	74-87-3	EPA 624	. J67991-4	02-Aug-07	30-Aug-07	CNK	TRIP BLANK	∩ o	1 ug/l		
Chloroethane	75-00-3	EPA 624	J67991-4	02-Aug-07	30-Aug-07	Š	TRIP BLANK	∩ •	1 ug/l	\Box	
Vinyl chloride	75-01-4	EPA 624	J67991-4	02-Aug-07	30-Aug-07	Š	TRIP BLANK	U 0	2 ug/l		
Methylene chloride	75-09-2	EPA 624	J67991-4	02-Aug-07	30-Aug-07	N X N	TRIP BLANK	∩ o	1/5n2/		
Втотобогт	75-25-2	EPA 624	J67991-4	02-Aug-07	30-Aug-07	X N	TRIP BLANK	∩ °	1 ug/[
Dichlorobromomethane	75-27-4	EPA 624	J67991-4	02-Aug-07	30-Aug-07	N	TRIP BLANK	∩ 0	1 ug/l		-
1,1-Dichloroethane	75-34-3	EPA 624	J67991-4	02-Aug-07	30-Aug-07	Š	TRIP BLANK	٥٥	1 ug/l		
1,1-Dichloroethene	75-35-4	EPA 624	J67991-4	02-Aug-07	30-Aug-07	Ň	TRIP BLANK	∩ o	1 ug/l		
Trichlorofluoromethane	75-69-4	EPA 624	J67991-4	02-Aug-07	30-Aug-07	¥	TRIP BLANK	Πo	2 ug/l		
Dichlorodifluoromethane	75-71-8	EPA 624	J67991-4	02-Aug-07	30-Aug-07	¥	TRIP BLANK	٥٥	2 ug/l		
1,2-Dichloropropane	78-87-5	EPA 624	J67991-4	02-Aug-07	30-Aug-07	Š	TRIP BLANK	∩ 0	1 ug/l		
1,1,2-Trichloroethane	79-00-5	EPA 624	J67991-4	02-Aug-07	30-Aug-07	N N	TRIP BLANK	O o	1 ug/l	*****	
Trichloroethene	79-01-6	EPA 624	J67991-4	02-Aug-07	30-Aug-07	Š	TRIP BLANK	<u></u> 0	1 ug/l		
1,1,2,2-Tetrachloroethane	79-34-5	EPA 624	J67991-4	02-Aug-07	30-Aug-07	Š	TRIP BLANK) 0	1 ug/l		
1,2-Dichlorobenzene	95-50-1	EPA 624	J67991-4	02-Aug-07	30-Aug-07	¥	TRIP BLANK	0.0	1 ug/l	4	
Aluminum, Dissolved	7429-90-5	EPA 200.7	J67991-1F	02-Aug-07	30-Aug-07	SP114	0807	⊃ °	100 ug/l	7	
Aluminum, Dissolved	7429-90-5	EPA 200.7	. J67991-3F	02-Aug-07	30-Aug-07	SP219	0807	<u>⊃</u>	100 ug/l		:

DATA USABILITY SUMMARY REPORT FOR SEPTEMBER 2007 MONTHLY COMPLIANCE MONITORING

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

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

SUMMARY

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

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

"U" - not detected at the value given,

"UJ" - estimated and not detected at the value given,

"J" - estimated at the value given, and

"R" - unusable value.

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

VOLATILE ORGANIC ANALYSIS

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

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

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

INORGANIC AND OIL AND GREASE ANALYSIS

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

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

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

Analyte	300	TO DEW					1			
Ethylbenzene	100-41-4	EPA 624	J70582-1	04-Sep-07	07-Oct-07	SP114	2080	4.8	1:ua/l	
cis-1,3-Dichlaropropene	10061-01-5	EPA 624	J70582-1	04-Sep-07	07-Oct-07	SP114	0907	0.0	/on:L	
trans-1,3-Dichloropropene	10061-02-6	EPA 624	J70582-1	04-Sep-07	07-Oct-07	SP114	0907	Ωo	1:ua/	
1,4-Dichlorobenzene	106-46-7	EPA 624	J70582-1	04-Sep-07	07-Oct-07	SP114	0907	Ωo	l'an L	
1,2-Dichloroethane	107-06-2	EPA 624	J70582-1	04-Sep-07	07-Oct-07	SP114	0907	ΩO	l'an L	
Toluene	108-88-3	EPA 624	J70582-1	04-Sep-07	07-Oct-07	SP114	0907	7.4	1,00/L	
Chlorobenzene	108-90-7	EPA 624	J70582-1	04-Sep-07	07-Oct-07	SP114	7060	ΩO	1 ug/l	
Dibromochloromethane	124-48-1	EPA 624	J70582-1	04-Sep-07	07-Oct-07	SP114	7060	Ωo	1:ug/l	
Tetrachloroethene	127-18-4	EPA 624	J70582-1	04-Sep-07	07-Oct-07	SP114	7060	0.0	1,00/1	
Xylenes (total)	1330-20-7	EPA 624	J70582-1	04-Sep-07	07-Oct-07	SP114	7060	9,9) non:	
cis-1,2-Dichloroethene	156-59-2	EPA 624	J70582-1	04-Sep-07	07-Oct-07	SP114	7080	8.5	1 uo/l	***************************************
trans-1,2-Dichloroethene	156-60-5	EPA 624	J70582-1	04-Sep-07	07-Oct-07	SP114	7060	1.1	l'ua/l	***************************************
1,3-Dichlorobenzene	541-73-1	EPA 624	J70582-1	04-Sep-07	07-Oct-07	SP114	7060	٥٥	1 ug/	
Carbon tetrachloride	56-23-5	EPA 624	J70582-1	04-Sep-07	07-Oct-07	SP114	0907	0.0	1,0d/l	
Chloroform	67-66-3	EPA 624	J70582-1	04-Sep-07	07-Oct-07	SP114	0907	Ω°	1:00/	
Benzene	71-43-2	EPA 624	J70582-1	04-Sep-07	07-Oct-07	SP114	0907	86.7	1,00/	
1,1,1-Trichloroethane	71-55-6	EPA 624	J70582-1	04-Sep-07	07-Oct-07	SP114	0907	8.6	1:00/	
Methyl bramide	74-83-9	EPA 624	J70582-1	04-Sep-07	07-Oct-07	SP114	0907	Ωo	1:00/	
Chloromethane	74-87-3	EPA 624	J70582-1	04-Sep-07	07-Oct-07	SP114	0907	Ω°	1 ug/l	
Chloroethane	75-00-3	EPA 624	J70582-1	04-Sep-07	07-Oct-07	SP114	7060	1.8	1:ug/l	
Vinyl chloride	75-01-4	EPA 624	J70582-1	04-Sep-07	07-Oct-07	SP114	0907	72.6	2:ug/l	
Methylene chloride	75-09-2	EPA 624	J70582-1	04-Sep-07	07-Oct-07	SP114	7060	0.0	1 ug/l	
Bromoform	75-25-2	EPA 624	J70582-1	04-Sep-07	07-Oct-07	SP114	7060	0 0	1 ug/l	
Bromodichloromethane	75-27-4	EPA 624	J70582-1	04-Sep-07	07-Oct-07	SP114	7060	n o	1 ug/l	
1,1-Dichloroethane	75-34-3	EPA 624	J70582-1	04-Sep-07	07-Oct-07	SP114	2060	20.1	1 ug/l	
1,1-Dichloroethene	75-35-4	EPA 624	J70582-1	04-Sep-07	07-Oct-07	SP114	2060	Ωo	1,pu:L	***************************************
i richlorofluoromethane	75-69-4	EPA 624	J70582-1	04-Sep-07	07-Oct-07	SP114	7060	Πo	2 ug/l	
Dichlorodifluoromethane	75-71-8	EPA 624	J70582-1	04-Sep-07	07-Oct-07	SP114	0907	n o	2 ug/l	
1,2-Dichloropropane	78-87-5	EPA 624	J70582-1	04-Sep-07	07-Oct-07	SP114	7060	no	1,00/1	
1,1,2-Irichloroethane	79-00-5	EPA 624	J70582-1	04-Sep-07	07-Oct-07	SP114	0907	no	1 ug/l	
	79-01-6	EPA 624	J70582-1	04-Sep-07	07-Oct-07	SP114	2060	0	1 ug/l	
ane	79-34-5	EPA 624	J70582-1	04-Sep-07	07-Oct-07	SP114	2060	n o	1 ug/l	
1,Z-Dichlorobenzene	95-50-1	EPA 624	J70582-1	04-Sep-07	07-Oct-07	SP114	2060	n 0	1 ug/l	
Arsenic, Iotal	7440-38-2	EPA 200.7	J70582-1	04-Sep-07	07-Oct-07	SP114	0907	134	8 ug/l	
Copper, Total	7440-50-8	EPA 200.7	J70582-1	04-Sep-07	07-Oct-07	SP114	0907	Ω°	25 ug/l	
Aluminum, Total	7429-90-5	EPA 200.7	J70582-1	04-Sep-07	07-Oct-07	SP114	7060	Ω°	100 ug/l	
ron, lotal	7439-89-6	EPA 200.7	J70582-1	04-Sep-07	07-Oct-07	SP114	0907	43400	100 ug/l	
Lead, Total	7439-92-1	EPA 200.7	. J70582-1	04-Sep-07	07-Oct-07	SP114	0907	n o	3 ug/l	
Nickel, Total	7440-02-0	EPA 200.7	J70582-1	04-Sep-07	07-Oct-07	SP114	0907	0.0	40: ug/l	
Chromium, Total	7440-47-3	EPA 200.7	J70582-1	04-Sep-07	07-Oct-07	SP114	0907	∩ o	10 ug/l	
Zinc, Total	7440-66-6	EDA 2007	7 00000							

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Emylpenzena	100-41-4	EPA 624	J70582-2	04-Sep-07	07-Oct-07	SP217	2080	ΩO	1:ug/l		
cis-1,3-Dichloropropene	10061-01-5	EPA 624	J70582-2	04-Sep-07	07-Oct-07	SP217	2060	0.0	l'na/l		
trans-1,3-Dichloropropene 10061-02-6	10061-02-6	EPA 624	J70582-2	04-Sep-07	07-Oct-07	SP217	0907	ΩO	1 ua/l		
,4-Dichlorobenzene	106-46-7	EPA 624	J70582-2	04-Sep-07	07-Oct-07	SP217	7060	n o	l'on:		***************************************
,2-Dichloroethane	107-06-2	EPA 624	J70582-2	04-Sep-07	07-Oct-07	SP217	7080	n o	1 ua/l		
Toluene	108-88-3	EPA 624	J70582-2	04-Sep-07	07-Oct-07	SP217	7080	0.0	1 ua/		
Chlorobenzene	108-90-7	EPA 624	J70582-2	04-Sep-07	07-Oct-07	SP217	0907	0.0	1 uo/l		
Dibromochloromethane	124-48-1	EPA 624	J70582-2	04-Sep-07	07-Oct-07	SP217	0907	Nº N	1 ua/l		
etrachloroethene	127-18-4	EPA 624	J70582-2	04-Sep-07	07-Oct-07	SP217	2060	Ŋio	1:00/		
Xylenes (total)	1330-20-7	EPA 624	J70582-2	04-Sep-07	07-Oct-07	SP217	0907	ΩO) na/		
cis-1,2-Dichloroethene	156-59-2	EPA 624	J70582-2	04-Sep-07	07-Oct-07	SP217	7060	1.6	1 ua/		
rans-1,2-Dichloroethene	156-60-5	EPA 624	J70582-2	04-Sep-07	07-Oct-07	SP217	0907	0.0	1 ug/		
,3-Dichlorobenzene	541-73-1	EPA 624	J70582-2	04-Sep-07	07-Oct-07	SP217	0907	n.o	1 ug/l		***************************************
Carbon tetrachloride	56-23-5	EPA 624	J70582-2	04-Sep-07	07-Oct-07	SP217	2080	0.0	1.ua/		
Chloroform	67-66-3	EPA 624	J70582-2	04-Sep-07	07-Oct-07	SP217	7080	2.3	1:40/		
Вепzеле	71-43-2	EPA 624	J70582-2	04-Sep-07	07-Oct-07	SP217	0907	0.0	1 ua/1	4	•
,1,1-Trichloroethane	71-55-6	EPA 624	J70582-2	04-Sep-07	07-Oct-07	SP217	0907	1.3	l'on l		
Methyl bromide	74-83-9	EPA 624	J70582-2	04-Sep-07	07-Oct-07	SP217	7060	Ωo	1 ua/l		
Chloromethane	74-87-3	EPA 624	J70582-2	04-Sep-07	07-Oct-07	SP217	7060	Ωo	1 ua/l		***************************************
Chloroethane	75-00-3	EPA 624	J70582-2	04-Sep-07	07-Oct-07	SP217	7060	0.0	1 ua/l		***************************************
Vinyl chloride	75-01-4	EPA 624	J70582-2	04-Sep-07	07-Oct-07	SP217	0907	ŋo	2:ua/[***************************************
Methylene chloride	75-09-2	EPA 624	J70582-2	04-Sep-07	07-Oct-07	SP217	7080	Πo	1:ua/l		***************************************
Вготобогт	75-25-2	EPA 624	J70582-2	04-Sep-07	07-Oct-07	SP217	0907	0 0	1 ua/		
Bromodichloromethane	75-27-4	EPA 624	J70582-2	04-Sep-07	07-Oct-07	SP217	7060	0.67 J	1 ua/l		
,1-Dichloroethane	75-34-3	EPA 624	J70582-2	04-Sep-07	07-Oct-07	SP217	2080	5.2	1 un/l		***************************************
,1-Dichlaroethene	75-35-4	EPA 624	J70582-2	04-Sep-07	07-Oct-07	SP217	7080	no.	1:ua/		
l richloroffuoromethane	75-69-4	EPA 624	J70582-2	04-Sep-07	07-Oct-07	SP217	2060	סה	2 ug/l		***************************************
Dichloradifluoromethane	75-71-8	EPA 624	J70582-2	04-Sep-07	07-Oct-07	SP217	2060	0:0	2:ua/		
,2-Dichloropropane	78-87-5	EPA 624	J70582-2	04-Sep-07	07-Oct-07	SP217	7060	O O	1 ua/1		
1,2-Trichloroethane	79-00-5	EPA 624	J70582-2	04-Sep-07	07-Oct-07	SP217	7060	٥٥	1 ug/l		
richloroethene	79-01-6	EPA 624	J70582-2	04-Sep-07	07-Oct-07	SP217	2060	n o	1 ug/l	***************************************	
I,1,2,2-Tetrachloroethane 79-34-5	79-34-5	EPA 624	J70582-2	04-Sep-07	07-Oct-07	SP217	2080	ΩO	1:ug/l		
2-Dichlorobenzene		700 VEL									

		Nethod	Eabsampid:	Date Sampled	Validation Date	Sample	CONTRACT	Peril Care	AL THE VALLE DOCUMENTS OF THE VALLE OF THE V	TOTAL THEFT
Cyanide	57-12-5	EPA 335.4/LACHA1	F. J70582-3	04-Sep-07	07-Oct-07	SP219	0907)) (0.01	
Ethylbenzene	100-41-4		J70582-3	04-Sep-07	07-Oct-07	÷	7060	no No	You	
cis-1,3-Dichloropropene	10061-01-5	_	J70582-3	04-Sep-07	07-Oct-07	`:```	2060	0.0	/on:	
trans-1,3-Dichloropropene :10061-02-6	10061-02-6		J70582-3	04-Sep-07	07-Oct-07	SP219	0907	O:0	ותסון	
1,4-Dichlorobenzene	106-46-7		J70582-3	04-Sep-07	07-Oct-07	SP219	7060	00	1,00,1	
1,2-Dichloroethane	107-06-2	EPA 624	J70582-3	04-Sep-07	07-Oct-07	SP219	0907	פֿוּר	1 ug/l	
Toluene	108-88-3	EPA 624	J70582-3	04-Sep-07	07-Oct-07	SP219	2060	no	1 ug/l	
Chlorobenzene	108-90-7	EPA 624	J70582-3	04-Sep-07	07-Oct-07	SP219	7060	n o	1:ug/l	
Dibromochloromethane	124-48-1	EPA 624	J70582-3	04-Sep-07	07-Oct-07	SP219	0907	0.0	ן חסו	
Tetrachloroethene		EPA 624	J70582-3	04-Sep-07	07-Oct-07	SP219	0907	n o	1:00/	•
Xylenes (total)	1330-20-7	EPA 624	J70582-3	04-Sep-07	07-Oct-07	6	0907	O O	1:00/	
cis-1,2-Dichloroethene	156-59-2	EPA 624	J70582-3	04-Sep-07	07-Oct-07	SP219	0907	0.0	1.00/	
trans-1,2-Dichloroethene	156-60-5	EPA 624	J70582-3	04-Sep-07	07-Oct-07	SP219	0907) O	1 00/1	
1,3-Dichlorobenzene	541-73-1	EPA 624	J70582-3	04-Sep-07	07-Oct-07	SP219	0907	η] nov	
Carbon tetrachloride	56-23-5	EPA 624	J70582-3	04-Sep-07	07-Oct-07	SP219	7060	0.0	1:uo/	
Chloroform	67-66-3	EPA 624	J70582-3	04-Sep-07	07-Oct-07	6	0907	Ωo	1:00/L	
Benzene		EPA 624	J70582-3	04-Sep-07	07-Oct-07	SP219	7060	O o	1 ua/l	
:1,1,1-Trichloroethane	71-55-6	EPA 624	J70582-3	04-Sep-07	07-Oct-07	SP219	0907	0.0	707	
Methyl bromide	74-83-9	EPA 624	J70582-3	04-Sep-07	07-Oct-07		0907	Ω°	1 00/	
Chloromethane	74-87-3	EPA 624	J70582-3	04-Sep-07	07-Oct-07	SP219	0907	0.0	1:00/	
Chloroethane	75-00-3	EPA 624	J70582-3	04-Sep-07	07-Oct-07	SP219	0907	ΩO	1 00/1	
Vinyl chloride	75-01-4	EPA 624	J70582-3	04-Sep-07	07-Oct-07	SP219	0907	O.O	2:ug/l	
Methylene chloride	75-09-2	EPA 624	J70582-3	04-Sep-07	07-Oct-07	SP219	2060	0.0	1 ug/l	
Bromoform		EPA 624	J70582-3	04-Sep-07	07-Oct-07	SP219	0907	0.0	1 ug/l	
Bromodichloromethane		EPA 624	J70582-3	04-Sep-07	07-Oct-07	SP219	0907	0 0	1 ug/l	
1,1-Dichloroethane		EPA 624	J70582-3	04-Sep-07	07-Oct-07	o	0907	n o	1'ug/l	
1,1-Dichloroethene		EPA 624	J70582-3	04-Sep-07	07-Oct-07	SP219	0807	0.0	1 ug/l	
Trichlorofluoromethane	75-69-4	EPA 624	J70582-3	04-Sep-07	07-Oct-07	SP219	0907	0.0	2 ug/l	
Dichlorodifluoromethane	75-71-8	EPA 624	J70582-3	04-Sep-07	07-Oct-07		7060	0.0	2:ug/l	
1,2-Dichloropropane		EPA 624	J70582-3	04-Sep-07	07-Oct-07	SP219	7060	0.0	1 ug/l	
1,1,2-Trichloroethane		EPA 624	J70582-3	04-Sep-07	07-Oct-07	SP219	0907	O 0	1 ug/l	
Trichloroethene		EPA 624	J70582-3	04-Sep-07	07-Oct-07	0	0907	0.0	1 ug/l	
1,1,2,2-Tetrachloroethane	•••••	EPA 624	J70582-3	04-Sep-07	07-Oct-07	:	0907	00	1 ug/l	
1,2-Dichlorobenzene	95-50-1	EPA 624	J70582-3	04-Sep-07	07-Oct-07	SP219	0907	0.0	1 ug/l	
Oll And Grease		EPA 1664A	J70582-3	04-Sep-07	07-Oct-07	SP219	0907	n o	5.1 mg/l	
Arsenic, Total	7440-38-2	EPA 200.7	J70582-3	04-Sep-07	07-Oct-07	SP219	0907	0.0	8:ug/l	
Copper, Total	7440-50-8	EPA 200.7	J70582-3	04-Sep-07	07-Oct-07	SP219	7060	n o	25 ug/l	
Aluminum, Total	7429-90-5	EPA 200.7	J70582-3	04-Sep-07	07-Oct-07	SP219	7060	ΩO	100:ug/l	****
Iron, Total	7439-89-6	EPA 200.7	J70582-3	04-Sep-07	07-Oct-07	SP219	0907	O O	100 ug/l	
Lead, Total	7439-92-1	EPA 200.7	J70582-3	04-Sep-07	07-Oct-07	SP219	7060	0.0	3 uq/	
Nickel, Total	7440-02-0	EPA 200.7	J70582-3	04-Sep-07	07-Oct-07	`: <i>`</i> ```	0907	0.0	40:uq/l	
Chromium, Total	7440-47-3	EPA 200.7	J70582-3	04-Sep-07	07-Oct-07	SP219	0907	0.0	10 uq/l	
Zinc, Total	7440-66-6	EPA 200.7	J70582-3	04-Sep-07	07-Oct-07	SP219	2060	U O		

3 of 4

J70582val

Analyte	casno	Method	Labsampid	Date Sampled	Validation Date Sample	Sample	Location	Result Code	R	Units Valid Result Valid Code
Ethylbenzene	100-41-4	EPA 624	J70582-4	04-Sep-07	07-Oct-07	¥	TRIP BLANK	O O	1:ug/l	
cls-1,3-Dichloropropene	10061-01-5	EPA 624	J70582-4	04-Sep-07	07-Oct-07	XNS	TRIP BLANK	0.0	1:ua/	***************************************
rans-1,3-Dichloropropene :10061-02-6	s :10061-02-6	EPA 624	J70582-4	04-Sep-07	07-Oct-07	ZNS	TRIP BLANK	0.0	1:00/	
,4-Dichlorobenzene	106-46-7	EPA 624	J70582-4	04-Sep-07	07-Oct-07		TRIP BLANK	0.0	, nov	
,2-Dichloroethane	107-06-2	EPA 624	J70582-4	04-Sep-07	07-Oct-07		TRIP BLANK	n o	1:00/	
Toluene	108-88-3	EPA 624	J70582-4	04-Sep-07	07-Oct-07		TRIP BLANK	0.0	, non:	
Shlorobenzene	108-90-7	EPA 624	J70582-4	04-Sep-07	07-Oct-07		TRIP BLANK	<u></u> 0	Jon: L	
Dibramachloromethane	124-48-1	EPA 624	J70582-4	04-Sep-07	07-Oct-07	•	TRIP BLANK	O O	J'on:	
etrachloroethene	127-18-4	EPA 624	J70582-4	04-Sep-07	07-Oct-07	UNK	TRIP BLANK	n o	1 ua/l	
Dichlorodifluoromethane	75-71-8	EPA 624	J70582-4	04-Sep-07	07-Oct-07		TRIP BLANK	ΩO	2:un/	
,2-Dichloropropane	78-87-5	EPA 624	J70582-4	04-Sep-07	07-Oct-07	1	TRIP BLANK	<u>n</u> o	Jun:	
,1,2-Trichloroethane	79-00-5	EPA 624	J70582-4	04-Sep-07	07-Oct-07		TRIP BLANK	n o	lan.	
Tichloroethene	79-01-6	EPA 624	J70582-4	04-Sep-07	07-Oct-07	•	TRIP BLANK	0.0	[cn:[
1,1,2,2-Tetrachloroethane 79-34-5	79-34-5	EPA 624	J70582-4	04-Sep-07	07-Oct-07		TRIP BLANK	ΩO	[na/	
,2-Dichlorobenzene	95-50-1	EPA 624	J70582-4	04-Sep-07	07-Oct-07	:	TRIP BLANK) O	1,60/	
Numinum, Dissolved	7429-90-5	EPA 200.7	J70582-1F	04-Sep-07	07-Oct-07	SP114	0907	Ωo	100 ua/l	
Numinum, Dissolved	7429-90-5	EPA 200.7	J70582-3F	04-Sep-07	07-Oct-07	SP219	0907	O	100 110/	
		**********************************	~	***************************************	********************				D	

DATA USABILITY SUMMARY REPORT FOR OCTOBER 2007 MONTHLY COMPLIANCE MONITORING

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

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

SUMMARY

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

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

"U" - not detected at the value given,

"UJ" - estimated and not detected at the value given,

"J" - estimated at the value given, and

"R" - unusable value.

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

VOLATILE ORGANIC ANALYSIS

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

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

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

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

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

INORGANIC AND OIL AND GREASE ANALYSIS

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

- Custody documentation
- Holding times
- MS recoveries

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

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

Allanyto	casno	Method	absambid		Validation Liate					
Ethylbenzene	100-41-4	EPA 624	J72928-1	01-Oct-07	17-Nov-07		1007	2.2	1 ug/l	
cis-1,3-Dichloropropene	10061-01-5	EPA 624	J72928-1	01-Oct-07	17-Nov-07	SP114	1007	0.0	1 ug/l	
репе		EPA 624	J72928-1	01-Oct-07	17-Nov-07	SP114	1007	0.0	1 ug/l	
1,4-Dichlorobenzene	106-46-7	EPA 624	J72928-1	01-Oct-07	17-Nov-07	SP114	1007	O o	1 ug/l	
1,2-Dichloroethane	107-06-2	EPA 624	J72928-1	01-Oct-07	17-Nov-07	SP114	1007) o	1 ug/l	
Toluene	108-88-3	EPA 624	J72928-1	01-Oct-07	17-Nov-07	SP114	1007	3.7	1 ug/l	
Chlorobenzene	108-90-7	EPA 624	J72928-1	01-Oct-07	17-Nov-07	SP114	1007) O	1 ug/l	
Dibromochloromethane	124-48-1	EPA 624	J72928-1	01-Oct-07	17-Nov-07	SP114	1007	ΩÖ	1 ug/l	***************************************
Tetrachloroethene	127-18-4	EPA 624	J72928-1	01-Oct-07	17-Nov-07	SP114	1007	Ωö	1.00/	
Xylenes (total)	1330-20-7	EPA 624	J72928-1	01-Oct-07	17-Nov-07	SP114	1007	10	1:00/	***************************************
cis-1,2-Dichloroethene	156-59-2	EPA 624	J72928-1	01-Oct-07	17-Nov-07	SP114	1007	1.1	1,00/	
trans-1,2-Dichloroethene	156-60-5	EPA 624	J72928-1	01-Oct-07	17-Nov-07	SP114	1007	ÜÖ	1 ua/l	
1,3-Dichlorobenzene	541-73-1	EPA 624	J72928-1	01-Oct-07	17-Nov-07	SP114	1007	Ŋö	1 ua/	
Carbon tetrachloride	56-23-5	EPA 624	J72928-1	01-Oct-07	17-Nav-07	SP114	1007	O O	1 100/	n
Chloroform	67-66-3	EPA 624	J72928-1	01-Oct-07	17-Nov-07	SP114	1007	0.41.J	1:00/	
Benzene	71-43-2	EPA 624	J72928-1	01-Oct-07	17-Nav-07	:SP114	1007	59.4	ויסקן	
1,1,1-Trichloroethane	71-55-6	EPA 624	J72928-1	01-Oct-07	17-Nov-07	SP114	1007	Ö	1 00/1	ſ
Methyl bramide	74-83-9	EPA 624	J72928-1	01-Oct-07	17-Nav-D7	SP114	1007	ΩÖ	1 ua/l	
Chloromethane	74-87-3	EPA 624	J72928-1	01-Oct-07	17-Nov-07	SP114	1007	n o	1 LON	n
Chloroethane	75-00-3	EPA 624	J72928-1	01-Oct-07	17-Nov-07	SP114	1007	Ωø	1.00/	
Vinyl chloride	75-01-4	EPA 624	J72928-1	01-Oct-07	17-Nov-07	SP114	1007	10.2	2 ug/l	***************************************
Methylene chloride	75-09-2	EPA 624	J72928-1	01-Oct-07	17-Nov-07	SP114	1007	0.0	1 ug/l	***************************************
Bromoform	75-25-2	EPA 624	J72928-1	01-Oct-07	17-Nov-07	SP114	1007	٥٥	1 ug/l	
Bromodichloromethane	75-27-4	EPA 624	J72928-1	01-Oct-07	17-Nov-07	SP114	1007	OO	1 ug/l	
1,1-Dichloroethane	75-34-3	EPA 624	J72928-1	01-Oct-07	17-Nov-07	SP114	1007	10.4	1 ug/l	
1,1-Dichloroethene	75-35-4	EPA 624	J72928-1	01-Oct-07	17-Nov-07	SP114	1007	no	1 40%	
Trichlorofluoromethane	75-69-4	EPA 624	J72928-1	01-Oct-07	17-Nov-07	SP114	1007	n;o	2:00/	Ŋ
Dichlorodifluoromethane	75-71-8	EPA 624	J72928-1	01-Oct-07	17-Nov-07	SP114	1007	nio	2:ug/l	
1,2-Dichloropropane	78-87-5	EPA 624	J72928-1	01-Oct-07	17-Nov-07	SP114	1007	n o	1 ug/l	
1,1,2-Trichloroethane	79-00-5	EPA 624	J72928-1	01-Oct-07	17-Nav-07	SP114	1007	ne	1 ug/l	
	79-01-6	EPA 624	J72928-1	01-Oct-07	17-Nov-07	SP114	1007	n o	1 ug/l	
nane	79-34-5	EPA 624	J72928-1	01-Oct-07	17-Nov-07	SP114	1007	nο	1 ug/l	
1,2-Dichlorobenzene	95-50-1	EPA 624	J72928-1	01-Oct-07	17-Nov-07	SP114	1007	Ωø	1 ug/l	
Aluminum, Total	7429-90-5	EPA 200.7	J72928-1	01-Oct-07	17-Nov-07	SP114	1007	0.0	100 ug/l	
Iron, Total	7439-89-6	EPA 200.7	J72928-1	01-Oct-07	17-Nov-07	SP114	1007	45900	100 ug/l	
Lead, Total	7439-92-1	EPA 200.7	J72928-1	01-Oct-07	17-Nav-07	:SP114	1007	∩.0	3 ug/l	
Nickel, Total	7440-02-0	EPA 200.7	J72928-1	01-Oct-07	17-Nav-07	SP114	1007	Пo	40 ug/l	
Arsenic, Total	7440-38-2	EPA 200.7	J72928-1	01-Oct-07	17-Nov-07	SP114	1007	132	8 ug/l	
Chromium, Total	7440-47-3	EPA 200.7	J72928-1	01-Oct-07	17-Nov-07	SP114	1007) O	10 ug/l	
Copper, Total	7440-50-8	EPA 200.7	J72928-1	01-Oct-07	17-Nov-07	SP114	1007	nο	25 ug/l	
Zinc, Total	7440-66-6	FPA 200 7	172928-1	יייייייייייייייייייייייייייייייייייייי	17 11-107	C		***************************************	Secretary Committee of the Committee of	***************************************

	Casno	DOMEN	DIGHESORT		Validation Date			Result Code	R. Units V.	RE Units Valid Result Valid Code	alid Code
Ethylbenzene	100-41-4	EPA 624	J72928-2	01-Oct-07	17-Nov-07	SP217	1007) O		reconstruction and the contraction of the contracti	\$0\$10000000000808
cis-1,3-Dichloropropene	10061-01-5	EPA 624	J72928-2	01-Oct-07	17-Nov-07	SP217	1007	ΩO	1 60/1		
trans-1,3-Dichloropropene 10061-02-6	10061-02-6	EPA 624	J72928-2	01-Oct-07	17-Nov-07	SP217	1007	Ωö	1 ua/l		
,4-Dichlorobenzene	106-46-7	EPA 624	J72928-2	01-Oct-07	17-Nav-07	SP217	1007	n o	1 ua/l		
,2-Dichloroethane	107-06-2	EPA 624	J72928-2	01-Oct-07	17-Nov-07	SP217	1007	ΩO	1 ua/l		
Toluene	108-88-3	EPA 624	J72928-2	01-Oct-07	17-Nov-07	SP217	1007	n o	1.00		
Chlorobenzene	108-90-7	EPA 624	J72928-2	01-Oct-07	17-Nov-07	SP217	1007	OO) nov		***************************************
Dibromochloromethane	124-48-1	EPA 624	J72928-2	01-Oct-07	17-Nov-07	SP217	1007	ПО	1: uo/l	-	
etrachloroethene	127-18-4	EPA 624	J72928-2	01-Oct-07	17-Nov-07	SP217	1007	ΠO	1-100/		
Xylenes (total)	1330-20-7	EPA 624	J72928-2	01-Oct-07	17-Nov-07	SP217	1007	n o	1 40/		
cis-1,2-Dichloroethene	156-59-2	EPA 624	J72928-2	01-Oct-07	17-Nov-07	SP217	1007	0.78.J	1 ua/l		
trans-1,2-Dichloroethene	156-60-5	EPA 624	J72928-2	01-Oct-07	17-Nov-07	SP217	1007	n o	1 10/		
,3-Dichlorobenzene	541-73-1	EPA 624	J72928-2	01-Oct-07	17-Nov-07	SP217	1007	. Ogn	1 ua/l		
Carbon tetrachloride	56-23-5	EPA 624	J72928-2	01-Oct-07	17-Nov-07	SP217	1007	ÜÖ	1 ua/l	Ü	_
Chloroform	67-66-3	EPA 624	J72928-2	01-Oct-07	17-Nov-07	SP217	1007	73	1 ua/l		
Benzene	71-43-2	EPA 624	J72928-2	01-Oct-07	17-Nov-07	SP217	1007	Ωø	1 ug/l		
,1,1-Trichloroethane	71-55-6	EPA 624	J72928-2	01-Oct-07	17-Nov-07	SP217	1007	1.1	1 ua/l	7	
Wethyl bromide	74-83-9	EPA 624	J72928-2	01-Oct-07	17-Nov-07	SP217	1007	0.0	1 ua/l		
Chloromethane	74-87-3	EPA 624	J72928-2	01-Oct-07	17-Nov-07	SP217	1007	0.0	1 ua/l	j	
Chloroethane	75-00-3	EPA 624	J72928-2	01-Oct-07	17-Nov-07	SP217	1007	ΩO	1 ua/l		
Vinyl chloride	75-01-4	EPA 624	J72928-2	01-Oct-07	17-Nov-07	SP217	1007	Ωº	2: ua/l		
Methylene chloride	75-09-2	EPA 624	J72928-2	01-Oct-07	17-Nov-07	SP217	1007	Πo	1 40/	***************************************	
Вготобогт	75-25-2	EPA 624	J72928-2	01-Oct-07	17-Nov-07	SP217	1007	n.o	1 ug/l		
Bromodichloromethane	75-27-4	EPA 624	J72928-2	01-Oct-07	17-Nov-07	SP217	1007	0.74.J	1 ug/l	*****	
, 1-Dichloroethane	75-34-3	EPA 624	J72928-2	01-Oct-07	17-Nov-07	SP217	1007	4	1 ug/l		
,1-Dichloroethene	75-35-4	EPA 624	J72928-2	01-Oct-07	17-Nov-07	SP217	1007	Ωo	1 ua/l		
richlorofluoromethane	75-69-4	EPA 624	J72928-2	01-Oct-07	17-Nov-07	SP217	1007	Πö	2 ug/l	n.	
Dichlorodifluoromethane	75-71-8	EPA 624	J72928-2	01-Oct-07	17-Nov-07	SP217	1007	0.0	2 ua/l	***************************************	
,2-Dichloropropane	78-87-5	EPA 624	J72928-2	01-Oct-07	17-Nov-07	SP217	1007	0.0	1 ua/l		
,1,2-Trichloroethane	79-00-5	EPA 624	J72928-2	01-Oct-07	17-Nov-07	SP217	1007	ממ	1 ug/l		
Tichloroethene	79-01-6	EPA 624	J72928-2	01-Oct-07	17-Nov-07	SP217	1007	n o	1 ug/l		
,1,2,2-Tetrachloroethane 79-34-5	79-34-5	EPA 624	J72928-2	01-Oct-07	17-Nov-07	SP217	1007	O O	1 ug/l		
,2-Dichlorobenzene	1-05-66	FCG VOU		(***************************************	

Ethylbenzene cis-1,3-Dichloropropene trans-1,3-Dichloropropene 1,4-Dichlorobenzene 1,2-Dichloroethane	100-41-4									
cis-1,3-Dichloropropene trans-1,3-Dichloropropene 1,4-Dichlorobenzene 1,2-Dichloroethane	************************	EPA 624	J72928-3	01-Oct-07	17-Nov-07	+ • • • •	1007	n.o	l/on!	
trans-1,3-Dichloropropene 1,4-Dichlorobenzene 1,2-Dichloroethane	10061-01-5	EPA 624	J72928-3	01-Oct-07	17-Nov-07	SP219	1007	Ωo	1.00/	
1,4-Dichlorobenzene 1,2-Dichloroethane		EPA 624	J72928-3	01-Oct-07	17-Nov-07	SP219	1007	Ωö	1 ua/l	
1,2-Dichloroethane	106-46-7	EPA 624	J72928-3	01-Oct-07	17-Nov-07	SP219	1007	Ωio	1,00/1	
	107-06-2	EPA 624	J72928-3	01-Oct-07	17-Nov-07	SP219	1007	0.0	1 ug/l	
Toluene	108-88-3	EPA 624	J72928-3	01-Oct-07	17-Nov-07	SP219	1007	0.0	1 ug/l	***************************************
Chlorobenzene	108-90-7	EPA 624	J72928-3	01-Oct-07	17-Nov-07	SP219	1007	O O	1,001	
Dibromochloromethane	124-48-1	EPA 624	J72928-3	01-Oct-07	17-Nov-07	SP219	1007	Ω°O	1 ug/l	
Tetrachloroethene	127-18-4	EPA 624	J72928-3	01-Oct-07	17-Nov-07	SP219	1007) O	1 ua/l	
į	1330-20-7	EPA 624	J72928-3	01-Oct-07	17-Nov-07	SP219	1007	0.0	1 ug/l	
	156-59-2	EPA 624	J72928-3	01-Oct-07	17-Nov-07	SP219	1007	Ωo	1:00/	
trans-1,2-Dichloroethene	156-60-5	EPA 624	J72928-3	01-Oct-07	17-Nov-07	SP219	1007	ΩO	חתן	
1,3-Dichlorobenzene	541-73-1	EPA 624	J72928-3	01-Oct-07	17-Nov-07	SP219	1007	ΩÖ	l'ou'l	
Carbon tetrachloride	56-23-5	EPA 624	J72928-3	01-Oct-07	17-Nov-07	SP219	1007	0.0	1.00/	111
Chloroform	67-86-3	EPA 624	J72928-3	01-Oct-07	17-Nov-07	SP219	1007	Πjo	1.11)
Benzene	71-43-2	EPA 624	J72928-3	01-Oct-07	17-Nov-07	SP219	1007	O O	1. ua/l	
1,1,1-Trichloroethane	71-55-6	EPA 624	J72928-3	01-Oct-07	17-Nov-07	SP219	1007	Ωo	1:ud/	
Methyl bromide	74-83-9	EPA 624	J72928-3	01-Oct-07	17-Nov-07	SP219	1007	Û.O	1.ng/l	
Chloromethane	74-87-3	EPA 624	J72928-3	01-Oct-07	17-Nov-07	SP219	1007	0.0	l'no/	
Chloroethane	75-00-3	EPA 624	J72928-3	01-Oct-07	17-Nov-07	SP219	1007	0.0	1:ug/l	
Vinyl chloride	75-01-4	EPA 624	J72928-3	01-Oct-07	17-Nov-07	SP219	1007	Û	2 ua/l	
Methylene chloride	75-09-2	EPA 624	J72928-3	01-Oct-07	17-Nov-07	:SP219	1007) 0	1.00/	
Bromoform	75-25-2	EPA 624	J72928-3	01-Oct-07	17-Nov-07	SP219	1007	0.0	1 ua/l	
Bromodichloromethane	75-27-4	EPA 624	J72928-3	01-Oct-07	17-Nov-07	SP219	1007	0.0	na/	
1,1-Dichloroethane	75-34-3	EPA 624	J72928-3	01-Oct-07	17-Nov-07	SP219	1007	0,0	/bn	
1,1-Dichloroethene	75-35-4	EPA 624	J72928-3	01-Oct-07	17-Nov-07	SP219	1007	0.0	1 ug/l	
Trichlorofluoromethane	75-69-4	EPA 624	J72928-3	01-Oct-07	17-Nov-07	SP219	1007	O o	2 ug/l	Ŋ
Dichlorodifluoromethane	75-71-8	EPA 624	J72928-3	01-Oct-07	17-Nov-07	SP219	1007) O	2 ug/l	***************************************
1,2-Dichloropropane	78-87-5	EPA 624	J72928-3	01-Oct-07	17-Nov-07	SP219	1007	ÜÖ	1 ug/l	
1,1,2-Trichloroethane	79-00-5	EPA 624	J72928-3	01-Oct-07	17-Nov-07	SP219	1007	ÜÜ	1,00,1	
Irchloroethene	79-01-6	EPA 624	J72928-3	01-Oct-07	17-Nov-07	SP219	1007	Ŋö	1 ug/l	
1,1,2,2-Tetrachloroethane	79-34-5	EPA 624	J72928-3	01-Oct-07	17-Nov-07	SP219	1007	200	1 ug/l	
1,2-Dichlorobenzene	95-50-1	EPA 624	J72928-3	01-Oct-07	17-Nov-07	SP219	1007	Ŋö	1'ug/l	
Oll And Grease		EPA 1664A	J72928-3	01-Oct-07	17-Nov-07	SP219	1007	0.0	5.1 mg/l	
Aluminum, Total	7429-90-5	EPA 200.7	J72928-3	01-Oct-07	17-Nov-07	SP219	1007	ÜÖ	100 ug/l	
Iron, Total	7439-89-6	EPA 200.7	J72928-3	01-Oct-07	17-Nov-07	SP219	1007	ΩÖ	100 ug/l	
Lead, Total	7439-92-1	EPA 200.7	J72928-3	01-Oct-07	17-Nov-07	SP219	1007	no	3.09/	
Nickel, Lotal	7440-02-0	EPA 200.7	J72928-3	01-Oct-07	17-Nov-07	SP219	1007	ΩO	40:ug/l	
:Arsenic, Total	7440-38-2	EPA 200.7	J72928-3	01-Oct-07	17-Nov-07	SP219	1007	ΩO	8 ug/l	
Chromium, Total	7440-47-3	EPA 200.7	J72928-3	01-Oct-07	17-Nov-07	SP219	1007	Ωœ	10 ug/l	
Copper, Total	7440-50-8	EPA 200.7	J72928-3	01-Oct-07	17-Nov-07	SP219	1007	0.0	25 ua/l	
Zinc, Total	φ	EPA 200.7	J72928-3	01-Oct-07	17-Nov-07	:	1007	Ŋ	20 ug/l	
Cyanide	57-12-5	EPA 335.4/LACHAT	J72928-3	01-Oct-07	17-Nov-07	SP219	1007	Ŋ	0.01 mg/	

3 of 4

J72928val

Pene Bene Bene	100-41-4 10061-01-5 10061-02-6	EPA 624	J72928-4	01-Oct-07	17-Nov-07		TRIP RI ANK	Πo	1 ug/	
9 .	061-01-5 1061-02-6 6 48 7		***************************************							•
9 g	061-02-6	EPA 624	J72928-4	01-Oct-07	17-Nav-07	Š	TRIP BLANK	n o	1:uo/	
g 9	1 07 0	EPA 624	J72928-4	01-Oct-07	17-Nov-07	ZNZ	TRIP BLANK	0:0	1 ua/l	
g 22	-0+0	EPA 624	J72928-4	01-Oct-07	17-Nov-07	UNK	TRIP BLANK) O) na/	
<u> </u>	107-06-2	EPA 624	J72928-4	01-Oct-07	17-Nov-07	Z	TRIP BLANK	Ωø	1 ua/l	
	108-88-3	EPA 624	J72928-4	01-Oct-07	17-Nov-07	ZN	TRIP BLANK	n o	/bn L	
. e	108-90-7	EPA 624	J72928-4	01-Oct-07	17-Nov-07	Ž	TRIP BLANK	Ωø	100/	
p	124-48-1	EPA 624	J72928-4	01-Oct-07	17-Nov-07	Ž	TRIP BLANK	U O	/on_	
p	127-18-4	EPA 624	J72928-4	01-Oct-07	17-Nov-07	N S	TRIP BLANK	0.0	l'on!	
9	1330-20-7	EPA 624	J72928-4	01-Oct-07	17-Nov-07	UNK	TRIP BLANK	0.0	l'on!	
Dichloroethene probenzene strachloride m	156-59-2	EPA 624	J72928-4	01-Oct-07	17-Nov-07	NY	TRIP BLANK	Ωo	1:00/	
orobenzene strachloride m	156-60-5	EPA 624	J72928-4	01-Oct-07	17-Nov-07	UNK	TRIP BLANK	0.0	Loy	
strachloride m	541-73-1	EPA 624	J72928-4	01-Oct-07	17-Nov-07	ZN	TRIP BLANK	O O	1 ug/l	
E	56-23-5	EPA 624	J72928-4	01-Oct-07	17-Nov-07	Z	TRIP BLANK	0.0	1 ug/l	Ŋ
	67-66-3	EPA 624	J72928-4	01-Oct-07	17-Nov-07	CNK	TRIP BLANK	ە د	1 ug/l	
	71-43-2	EPA 624	J72928-4	01-Oct-07	17-Nov-07	JN	TRIP BLANK	٥٥	1: ug/l	
thane	71-55-6	EPA 624	J72928-4	01-Oct-07	17-Nov-07	UNK	TRIP BLANK	ΩO	1 ua/l	in
	74-83-9	EPA 624	J72928-4	01-Oct-07	17-Nov-07	ZNZ	TRIP BLANK	ΩO	, no.,	
9	74-87-3	EPA 624	J72928-4	01-Oct-07	17-Nov-07	Ň	TRIP BLANK	0.0	1 49/1	n.
	75-00-3	EPA 624	J72928-4	01-Oct-07	17-Nov-07	Ň	TRIP BLANK	Ω°	1.ua/l	
	75-01-4	EPA 624	J72928-4	01-Oct-07	17-Nav-07	ZNZ	TRIP BLANK	O O	2: ug/l	
chloride	75-09-2	EPA 624	J72928-4	01-Oct-07	17-Nov-07	ž	TRIP BLANK	O O	1:ug/l	
	75-25-2	EPA 624	J72928-4	01-Oct-07	17-Nov-07	ž	TRIP BLANK	0.0	1 ug/l	
ane	75-27-4	EPA 624	J72928-4	01-Oct-07	17-Nav-07	¥	TRIP BLANK	n o	1 ug/l	
	75-34-3	EPA 624	J72928-4	01-Oct-07	17-Nov-07	Š	TRIP BLANK	n o	1 ug/l	
	5-35-4	EPA 624	J72928-4	01-Oct-07	17-Nov-07	Š	TRIP BLANK	N O	l'gu l	1
	75-69-4	EPA 624	J72928-4	01-Oct-07	17-Nov-07	Ż	TRIP BLANK	O O	2 ug/l	IJ
ane	75-71-8	EPA 624	J72928-4	01-Oct-07	17-Nov-07	UNK	TRIP BLANK	٥٥	2 ug/l	
7	8-87-5	EPA 624	J72928-4	01-Oct-07	17-Nov-07	Z. X.	TRIP BLANK	n o	1 ug/l	***************************************
hane	9-00-2	EPA 624	J72928-4	01-Oct-07	17-Nav-07	N N N	TRIP BLANK	Ωo	1 ug/l	***************************************
l richloroethene 79	79-01-6	EPA 624	J72928-4	01-Oct-07	17-Nov-07	ž	TRIP BLANK	no	1 ug/l	
hane	34-5	EPA 624	J72928-4	01-Oct-07	17-Nov-07	N.	TRIP BLANK	ŋö	1 ug/l	
	95-50-1	EPA 624	J72928-4	01-Oct-07	17-Nov-07	Ϋ́	TRIP BLANK	Ωo	1 ug/l	
	7429-90-5	EPA 200.7	J72928-1F	01-Oct-07	17-Nov-07	SP114	1007	ΩO	100 ng/l	
Aluminum, Dissolved 74	7429-90-5	EPA 200.7	J72928-3F	01-Oct-07	17-Nov-07	SP219	1007	Ω°	100 ug/l	

DATA USABILITY SUMMARY REPORT FOR NOVEMBER 2007 MONTHLY COMPLIANCE MONITORING

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

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

SUMMARY

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

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

"U" - not detected at the value given,

"UJ" - estimated and not detected at the value given,

"J" - estimated at the value given, and

"R" - unusable value.

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

VOLATILE ORGANIC ANALYSIS

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

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

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

INORGANIC AND OIL AND GREASE ANALYSIS

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

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

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

Validated Laboratory Data For November 2007 Water Main Sample

Analyte	casno	Method	Labsampid	Date Sampled:	ampid Date Sampled Validation Date	Sample Location	Result Code R	RI Lints Valid Result	Bestill Walli Code
Ethylbenzene	100-41-4	EPA 624	J75622-1	01-Nov-07	17-Nov-07	1		l/bn	
cis-1,3-Dichlaropropene	10061-01-5 EPA 624	EPA 624	J75622-1	01-Nov-07	17-Nov-07	WMAIN 1107	Πö	1 ua/l	the common extension of the contract of the co
trans-1,3-Dichloropropene 10061-02-6 EPA 62	10061-02-6	EPA 624	J75622-1	01-Nov-07	17-Nov-07	WMAIN 1107	ΠO	1 ug/l	
1,4-Dichlorobenzene	106-46-7	EPA 624	J75622-1	01-Nov-07	17-Nov-07	WMAIN 1107	n o	1/5n:1	
1,2-Dichloroethane	107-06-2	EPA 624	J75622-1	01-Nov-07	17-Nav-07	WMAIN 1107	∩ o	1 ug/l	***************************************
Toluene	108-88-3	EPA 624	J75622-1	01-Nov-07	17-Nov-07	WMAIN 1107	Πο	1;ug/l	
Chlorobenzene	108-90-7	EPA 624	J75622-1	01-Nov-07	17-Nov-07	WMAIN 1107	0.0	1:ug/l	
Dibromochloromethane	124-48-1	EPA 624	J75622-1	01-Nov-07	17-Nav-07	WMAIN 1107	9.7	1 ug/l	enter enter de contraction de contra
Tetrachloroethene	127-18-4	EPA 624	J75622-1	01-Nov-07	17-Nav-07	WMAIN 1107	٥٥	1 ug/l	
Xylenes (total)	•••••	EPA 624	J75622-1	01-Nov-07	17-NoV-07	WMAIN 1107	O D	1;ug/l	and a tradition of the contract of the contrac
cis-1,2-Dichloroethene	156-59-2	EPA 624	J75622-1	01-Nov-07	17-Nov-07	WMAIN 1107	Ωo	1 ug/l	
trans-1,2-Dichloroethene	156-60-5	EPA 624	J75622-1	01-Nov-07	17-Nov-07	WMAIN 1107	O O	1 ug/l	
1,3-Dichlorobenzene	541-73-1	EPA 624	J75622-1	01-Nov-07	17-Nov-07	WMAIN 1107	n ö	1 ng/l	***************************************
Carbon tetrachloride	56-23-5	EPA 624	J75622-1	01-Nov-07	17-Nov-07	WMAIN 1107	No N	1:ug/l	
Chloroform	67-66-3	EPA 624	J75622-1	01-Nov-07	17-Nov-07	WMAIN 1107	20	1:ug/l	
Benzene	71-43-2	EPA 624	J75622-1	01-Nov-07	17-Nov-07	WMAIN 1107	ΛÖ	1 ug/l	
1,1,1-Trichloroethane	71-55-6	EPA 624	J75622-1	01-Nov-07	17-Nov-07	WMAIN 1107	Ωö	1 ug/l	***************************************
	74-83-9	EPA 624	J75622-1	01-Nov-07	17-Nov-07	WMAIN 1107	0.0	1:ug/	والإنجاب والمستحدد والمواجعة والمتحاط والمتحاط والمتحاط والمتحاط والمتحاط والمتحاط والمتحاط والمتحاط
Chloromethane	74-87-3	EPA 624	J75622-1	01-Nov-07	17-Nov-07	WMAIN 1107	0.45 J	1 ug/	
Chloroethane	75-00-3	EPA 624	J75622-1	01-Nov-07	17-Nov-07	WMAIN 1107	0.0	1 ug/	energy of the same
Vinyl chloride	75-01-4	EPA 624	J75622-1	01-Nov-07	17-Nov-07	WMAIN 1107	O O	2:ug/l	***************************************
Methylene chloride	75-09-2	EPA 624	J75622-1	01-Nov-07	17-Nov-07	WMAIN 1107	n o	1 ug/	
Bromoform	75-25-2	EPA 624	J75622-1	01-Nov-07	17-Nov-07	WMAIN 1107	0.92 J	1:ug/l	
Bromodichloromethane	75-27-4	EPA 624	J75622-1	01-Nov-07	17-Nov-07	WMAIN 1107	18,6	1 ug/l	
1,1-Dichloroethane	75-34-3	EPA 624	J75622-1	01-Nov-07	17-Nav-07	WMAIN 1107	no	1 ug/l	
1,1-Dichloroethene	75-35-4	EPA 624	J75622-1	01-Nov-07	17-Nov-07	WMAIN 1107) O	1:ug/	
Trichlorofluoromethane	75-69-4	EPA 624	J75622-1	01-Nov-07	17-Nov-07	WMAIN 1107	ΩO	2 ug/l	***************************************
Dichlorodifluoromethane	75-71-8	EPA 624	J75622-1	01-Nav-07	17-Nov-07	WMAIN 1107	No	2 ug/l	***************************************
1,2-Dichloropropane	78-87-5	EPA 624	J75622-1	01-Nov-07	17-Nov-07	WMAIN 1107	no	1/gu L	
1,1,2-Irichloroethane	79-00-5	EPA 624	J75622-1	01-Nov-07	17-Nov-07	WMAIN 1107	Ωo	1 ug/l	
Trichloroethene	79-01-6	EPA 624	J75622-1	01-Nov-07	17-Nov-07	WMAIN 1107	n o	1/gu L	
1,1,2,2-Tetrachloroethane 79-34-5	79-34-5	8	J75622-1	01-Nov-07	17-Nov-07	WMAIN 1107	Лo	1 ug/l	
T,Z-Uichlorobenzene	95-50-1	EPA 624	J75622-1	01-Nov-07	17-Nov-07	WMAIN 1107	<u>ي</u>	1 ug/l	
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ne ppene ne ne ne	7429-90-5 100-41-4 10061-01-5 10061-02-6 106-46-7 107-06-2	EPA 200.7 EPA 624	J75581-1 J75581-1	01-Nov-07	02-Dec-07	SP114	1107	ΩO	100 ug/l	
9	-41-4 61-01-5 61-02-6 646-7 -06-2	EPA 624	J75581-1	04 May 07						
9	61-01-5 61-02-6 -46-7 -06-2			200	02-Dec-07	SP114	1107		Tell 1	****
e e e	61-02-6 -46-7 -06-2	EPA 624	J75581-1	01-Nov-07	02-Dec-07	SP114	1107	n o		
. 9	-46-7 -06-2	EPA 624	J75581-1	01-Nov-07	02-Dec-07	SP114	1107	0.0	1:ug/l	***************************************
. 95	-06-2	EPA 624	J75581-1	01-Nav-07	02-Dec-07	SP114	1107	0.0	1:ug/l	
e 92		EPA 624	J75581-1	01-Nov-07	02-Dec-07	SP114	1107	Ω°	1 ug/l	
. 02	108-88-3	EPA 624	J75581-1	01-Nov-07	02-Dec-07	SP114	1107	3.1	1 ug/l	
. 0	08-90-7	EPA 624	J75581-1	01-Nov-07	02-Dec-07	SP114	1107	0.76.J	1 ug/l	
92	124-48-1	EPA 624	J75581-1	01-Nav-07	02-Dec-07	SP114 ·	1107	Ω°	1 40/	
2	127-18-4	EPA 624	J75581-1	01-Nov-07	02-Dec-07	SP114	1107	0 0	100/	***************************************
2	1330-20-7	EPA 624	J75581-1	01-Nov-07	02-Dec-07	SP114	1107	<u>†</u>	1,00/	
9	156-59-2	EPA 624	J75581-1	01-Nov-07	02-Dec-07	SP114	1107	Qi.	/on:L	
****	156-60-5	EPA 624	J75581-1	01-Nov-07	02-Dec-07	SP114	1107	0.78.J	1:00/	
	541-73-1	EPA 624	J75581-1	01-Nav-07	02-Dec-07	SP114 ·	1107	0.0	1:00/	
Carbon tetrachloride 56-2	56-23-5	EPA 624	J75581-1	01-Nov-07	02-Dec-07	SP114	1107	0.0	1 40/	
E	67-66-3	EPA 624	J75581-1	01-Nov-07	02-Dec-07	SP114	1107	0.0	1 00/	
	71-43-2	EPA 624	J75581-1	01-Nov-07	02-Dec-07	SP114 .	1107	80.1	1 ug/l	
thane	71-55-6	EPA 624	J75581-1	01-Nov-07	02-Dec-07	SP114	1107	3.1	1 ug/l	
	74-83-9	EPA 624	J75581-1	01-Nov-07	02-Dec-07	SP114 ·	1107	∩ 0	, no 1	
0	74-87-3	EPA 624	J75581-1	01-Nov-07	02-Dec-07	SP114 ·	1107	Ωo	1 ua/l	
	75-00-3	EPA 624	J75581-1	01-Nov-07	02-Dec-07	SP114	1107	0.95 J	1 ug/l	
A	7-4	EPA 624	J75581-1	01-Nav-07	02-Dec-07	SP114	1107	31.4	2 ug/l	
chloride	75-09-2	EPA 624	J75581-1	01-Nov-07	02-Dec-07	SP114	1107	Πo	1 ug/l	
	75-25-2	EPA 624	J75581-1	01-Nov-07	02-Dec-07	SP114	1107	Π 0	1.00/	
апе	75-27-4	EPA 624	J75581-1	01-Nav-07	02-Dec-07	SP114 .	1107	Ω°	1 ug/l	
	75-34-3	EPA 624	J75581-1	01-Nov-07	02-Dec-07	SP114	1107	19	1 00/	
į	35-4	EPA 624	J75581-1	01-Nov-07	02-Dec-07	SP114	1107	0.0	1 40/	
	39-4	EPA 624	J75581-1	01-Nov-07	02-Dec-07	SP114	1107	0	2 ug/l	
ane	75-71-8	EPA 624	J75581-1	01-NoV-07	02-Dec-07	SP114	1107	0	2 ug/l	
	78-87-5	EPA 624	J75581-1	01-Nov-07	02-Dec-07	SP114 :	1107	0.0	1 ug/l	
thane	79-00-5	EPA 624	J75581-1	01-Nov-07	02-Dec-07	SP114 .	1107	0.0	1:ug/l	
•••••	79-01-6	EPA 624	J75581-1	01-Nov-07	02-Dec-07	SP114 '	1107	0 0	1 ug/l	
hane	34-5	EPA 624	J75581-1	01-Nov-07	02-Dec-07	SP114 '	1107	2	/6n 1	
robenzene	-1- 20-1	EPA 624	J75581-1	01-Nov-07	02-Dec-07	SP114	1107) 0	1 ug/l	· · · · · · · · · · · · · · · · · · ·
	7439-89-6	EPA 200.7	J75581-1	01-Nov-07	02-Dec-07	SP114 .	1107	43900	100 ug/l	
	7439-92-1	EPA 200.7	J75581-1	01-Nov-07	02-Dec-07	SP114 :-	1107	Ω°O	3.00/	
	7440-02-0	EPA 200.7	J75581-1	01-Nov-07	02-Dec-07	SP114	1107	0.0	40 00/1	***************************************
	7440-38-2	EPA 200.7	J75581-1	01-Nov-07	02-Dec-07	SP114	1107	115	8 ua/l	
otal	7440-47-3	EPA 200.7	J75581-1	01-Nov-07	02-Dec-07	SP114	1107	O O	10:uq/l	
otal	7440-50-8	EPA 200.7	J75581-1	01-Nav-07	02-Dec-07	SP114	1107	0.0	25 ug/l	
Zinc, Total 7440	7440-66-6	EPA 200.7	J75581-1	01-Nov-07	02-Dec-07	SP114 1	1107	٥٥	20:110/	

J75581val 1 of 4

		Method	Labsampid	Data Sempled	Validation Date	a Sample	Location	Result Code	RIUnits	Valid Result: Valid Code	Valid Coda
Ethylbenzene	100-41-4	EPA 624	J75581-2	01-Nov-07	02-Dec-07	SP217	<u>. </u>) O	1:ua/l		
cis-1,3-Dichloropropene		EPA 624	J75581-2	01-Nov-07	02-Dec-07	SP217	1107	0	1.00/	*****	
trans-1,3-Dichloropropene	Σ	EPA 624	J75581-2	01-Nov-07	02-Dec-07	SP217	1107	ŋ	1 ua/		
1,4-Dichlorobenzene	106-46-7	EPA 624	J75581-2	01-Nov-07	02-Dec-07	SP217	1107	00	1 40/		
1,2-Dichloroethane	107-06-2	EPA 624	J75581-2	01-Nov-07	02-Dec-07	SP217	1107	n o	1 ug/l		
Toluene	108-88-3	EPA 624	J75581-2	01-Nov-07	02-Dec-07	SP217	1107	O O	1 00/		
Chlorobenzene	108-90-7	EPA 624	J75581-2	01-Nov-07	02-Dec-07	SP217	1107	00	1 ua/l		
Dibromochloromethane	124-48-1	EPA 624	J75581-2	01-Nov-07	02-Dec-07	SP217	1107	ΩÖ	1 ua/		
Tetrachloroethene	127-18-4	EPA 624	J75581-2	01-Nov-07	02-Dec-07	SP217	1107	0.0	1 ua/l	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	
Xylenes (total)	1330-20-7	EPA 624	J75581-2	01-Nov-07	02-Dec-07	SP217	1107	O O	1 40/1		
cls-1,2-Dichlaroethene	156-59-2	EPA 624	J75581-2	01-Nov-07	02-Dec-07	SP217	1107	7.	1 ua/l		
trans-1,2-Dichloroethene	156-60-5	EPA 624	J75581-2	01-Nov-07	02-Dec-07	SP217	1107	70	1,00/		
1,3-Dichlorobenzene	541-73-1	EPA 624	J75581-2	01-Nov-07	02-Dec-07	SP217	1107	ΩO	1 ua/l		
Carbon tetrachloride	56-23-5	EPA 624	J75581-2	01-Nav-07	02-Dec-07	SP217	1107	Ωo	1 ua/l		
Chloraform	67-66-3	EPA 624	J75581-2	01-Nov-07	02-Dec-07	SP217	1107	2.3	1.00		
Benzene	71-43-2	EPA 624	J75581-2	01-Nov-07	02-Dec-07	SP217	1107	n o	1: ug/l		
1,1,1-Trichloroethane	71-55-6	EPA 624	J75581-2	01-Nov-07	02-Dec-07	SP217	1107	0.84.J	1 ug/l	******	
Methyl bromide	74-83-9	EPA 624	J75581-2	01-Nov-07	02-Dec-07	SP217	1107	O D	1 ua/l		
Chloromethane	74-87-3	EPA 624	J75581-2	01-Nav-07	02-Dec-07	SP217	1107	٥	1 ug/l	:	·;•··•
Chloroethane	75-00-3	EPA 624	J75581-2	01-Nov-07	02-Dec-07	SP217	1107	∩ o	1 ua/l		
Vinyl chloride	75-01-4	EPA 624	. J75581-2	01-Nov-07	02-Dec-07	SP217	1107	ΩO	2 ua/l		
Methylene chloride	75-09-2	EPA 624	J75581-2	01-Nov-07	02-Dec-07	SP217	1107	ΩÖ	1 ug/l		****
Bromoform	75-25-2	EPA 624	J75581-2	01-Nov-07	02-Dec-07	SP217	1107	n o	1,00/		
Bromodichloromethane	75-27-4	EPA 624	J75581-2	01-Nov-07	02-Dec-07	SP217	1107	0.81 J	1 40/		
1,1-Dichloroethane	75-34-3	EPA 624	J75581-2	01-Nov-07	02-Dec-07	SP217	1107	5.5	1 ug/l		
1,1-Dichloroethene	75-35-4	EPA 624	J75581-2	01-Nov-07	02-Dec-07	SP217	1107	n.o	1:ug/	}	
Trichlorofluoromethane	75-69-4	EPA 624	J75581-2	01-Nov-07	02-Dec-07	SP217	1107	<u>.</u>	2 ug/l		
Dichlorodifluoromethane	75-71-8	EPA 624	J75581-2	01-Nov-07	02-Dec-07	SP217	1107	no	2 ug/l		
1,2-Dichloropropane	78-87-5	EPA 624	J75581-2	01-Nov-07	02-Dec-07	SP217	1107	0.0	1 ug/l		
1,1,2-Trichloroethane	79-00-5	EPA 624	J75581-2	01-Nov-07	02-Dec-07	SP217	1107	٥٥	1 ug/l		
Trichlaroethene		EPA 624	J75581-2	01-Nov-07	02-Dec-07	SP217	1107	0.0	1 ug/l		
1,1,2,2-Tetrachloroethane	*****	EPA 624	J75581-2	01-Nov-07	02-Dec-07	SP217	1107	0 0	1 ug/l		
1,2-Dichlorobenzene	95-50-1	EPA 624	J75581-2	01-Nov-07	02-Dec-07	SP217	1107	0.0	1:ua/l		***************************************

Aluminum, Total Cyanide Ethylbenzane dis-1,3-Dichloropropene	7429-90-5									
		EPA 200.7	J/5581-3	01-Nov-07	02-Dec-07	SP219	1107) O	100 uo/l	• • • • • • • • • • • • • • • • • • • •
	57-12-5	EPA 335.4/LACHAT	J75581-3	01-Nav-07	02-Dec-07	SP219	1107	00	0.01 ma/l	
	100-41-4	1	J75581-3	01-Nov-07	02-Dec-07	SP219	1107	٥	1.00/	
:	10061-01-5		J75581-3	01-Nov-07	02-Dec-07	SP219	1107	ΩÖ	1 ug/l	
pene	10061-02-6		J75581-3	01-Nov-07	02-Dec-07	SP219	1107	n o	1.pu	
1,4-Dichlorobenzene	106-46-7	EPA 624	J75581-3	01-Nov-07	02-Dec-07	SP219	1107	O O	/on/	
1,2-Dichloroethane	107-06-2	EPA 624	J75581-3	01-Nov-07	02-Dec-07	SP219	1107	ΩÖ	1 ug/l	
Тојиепе	*****	EPA 624	J75581-3	01-Nov-07	02-Dec-07	SP219	1107	00	1:00/	
Chlorobenzene	108-90-7	EPA 624	J75581-3	01-Nov-07	02-Dec-07	SP219	1107	0.0	1:00/	
Dibromochloromethane	124-48-1	EPA 624	J75581-3	01-Nov-07	02-Dec-07	SP219	1107	0.0	1.00/	
Tetrachloroethene	127-18-4	EPA 624	J75581-3	01-Nov-07	02-Dec-07	SP219	1107	0.0	1:00	
Xylenes (total)	1330-20-7	EPA 624	J75581-3	01-Nov-07	02-Dec-07	SP219	1107) O	1:00/	
cis-1,2-Dichloraethene	156-59-2	EPA 624	J75581-3	01-Nov-07	02-Dec-07	SP219	1107	ΩO	ותסען	
trans-1,2-Dichloroethene	156-50-5	EPA 624	J75581-3	01-Nov-07	02-Dec-07	SP219	1107	0.0	1,00/	
1,3-Dichlorobenzene	541-73-1	EPA 624	J75581-3	01-Nov-07	02-Dec-07	SP219	1107	0.0	100/	
Carbon tetrachloride	56-23-5	EPA 624	J75581-3	01-Nov-07	02-Dec-07	SP219	1107	ПО	1:00	
Chloroform		EPA 624	J75581-3	01-Nov-07	02-Dec-07	SP219	1107	0.0	1.00/	
Benzene	71-43-2	EPA 624	J75581-3	01-Nov-07	02-Dec-07	SP219	1107	0.0	1:uo/l	
1,1,1-Trichloroethane	71-55-6	EPA 624	J75581-3	01-Nov-07	02-Dec-07	SP219	1107	0	7:00,1	
Methyl bromide	74-83-9	EPA 624	J75581-3	01-Nov-07	02-Dec-07	SP219	1107	ΩO	1.00/	
СһІоготеthane		EPA 624	J75581-3	01-Nov-07	02-Dec-07	SP219	1107	0	1 ug/l	
Chloroethane	75-00-3	EPA 624	J75581-3	01-Nov-07	02-Dec-07	SP219	1107	ΩO	1 ua/	
Vinyl chloride	75-01-4	EPA 624	J75581-3	01-Nov-07	02-Dec-07	SP219	1107	⊃ 0	Z'ug/l	
Methylene chloride	75-09-2	EPA 624	J75581-3	01-Nov-07	02-Dec-07	SP219	1107	00	1'ag/l	
Вгатоботт	75-25-2	EPA 624	J75581-3	01-Nov-07	02-Dec-07	SP219	1107	0.0	1'g/l	******
Bromodichloromethane	75-27-4	EPA 624	J75581-3	01-Nov-07	02-Dec-07	SP219	1107	n o	100	****
1,1-Dichloroethane		EPA 624	J75581-3	01-Nov-07	02-Dec-07	SP219	1107	1.3	1; ug/l	
1,1-Dichloroethene		EPA 624	J75581-3	01-Nov-07	02-Dec-07	SP219	1107	n e	1,00,1	
Irichlorofluoromethane	75-69-4	EPA 624	J75581-3	01-Nov-07	02-Dec-07	SP219	1107	n o	2 ug/l	
Dichlorodifluoromethane		EPA 624	J75581-3	01-Nov-07	02-Dec-07	SP219	1107	n o	2 ug/l	
1,2-Dichloropropane	78-87-5	EPA 624	J75581-3	01-Nov-07	02-Dec-07	SP219	1107	ņ	1 ug/l	
1,1,2-Irichloroethane	79-00-5	EPA 624	J75581-3	01-Nov-07	02-Dec-07	SP219	1107	0	1 ug/l	
Irichloroethene	79-01-6	EPA 624	J75581-3	01-Nov-07	02-Dec-07	SP219	1107	Ωø	1 ug/l	
1,1,2,2-letrachloroethane	79-34-5	EPA 624	J75581-3	01-Nov-07	02-Dec-07	SP219	1107	n o	1 ug/l	
1,2-Dichlorobenzene	95-50-1	EPA 624	J75581-3	01-Nov-07	02-Dec-07	SP219	1107	0.0	1 ug/l	
Oll And Grease		EPA 1664A	J75581-3	01-Nov-07	02-Dec-07	SP219	1107	n o	5.2 mg/l	
Lead, Total	7439-92-1	EPA 200.7	J75581-3	01-Nov-07	02-Dec-07	SP219	1107	ΩO	3.ug/	
Iron, Total		EPA 200.7	J75581-3	01-Nov-07	02-Dec-07	SP219	1107	ΩÖ	100 ua/l	
Nickel, Total	7440-02-0	EPA 200.7	J75581-3	01-Nov-07	02-Dec-07	SP219	1107	٥٥	40: ug/l	
Arsenic, Total		EPA 200.7	J75581-3	01-Nov-07	02-Dec-07	SP219	1107	0.0	8 ug/l	
otal		EPA 200.7	J75581-3	01-Nov-07	02-Dec-07	SP219	1107	٥٥	10; ug/l	
Copper, Total	7440-50-8	EPA 200.7	J75581-3	01-Nov-07	02-Dec-07	SP219	1107	no	25 ug/l	

Analyte	CBSMO	Welfoo									
Zinc, Total	7440-66-6	EPA 200.7	J75581-3	01-Nov-07	02-Dec-07	SP219	4		20		
Ethylbenzene	100-41-4	EPA 624	J75581-4	01-Nov-07	02-Dec-07	Š	TRIP BLANK	O O	1:00/		
cis-1,3-Dichloropropene	10061-01-5	EPA 624	J75581-4	01-Nov-07	02-Dec-07	Š	TRIP BLANK	0.0	1:00/1		
trans-1,3-Dichloropropene		EPA 624	175581-4	01-Nov-07	02-Dec-07	Š	TRIP BLANK	٥٥	1, ua/l		
1,4-Dichlorobenzene	106-46-7	EPA 624	J75581-4	01-Nov-07	02-Dec-07	Š	TRIP BLANK	n o	1 ua/l	***************************************	
1,2-Dichloroethane	107-06-2	EPA 624	J75581-4	01-Nav-07	02-Dec-07	¥	TRIP BLANK	ÜÖ	1 ua/l		
Toluene	108-88-3	EPA 624	J75581-4	01-Nov-07	02-Dec-07	Š	TRIP BLANK	0.0	1: ua/l		
Chlorobenzene	108-90-7	EPA 624	J75581-4	01-Nav-07	02-Dec-07	Š	TRIP BLANK	O O	1 ua/l		
Dibromochloromethane	124-4B-1	EPA 624	J75581-4	01-Nav-07	02-Dec-07	Š	TRIP BLANK	O O	1 ug/l		
Tetrachloroethene	127-18-4	EPA 624	J75581-4	01-Nav-07	02-Dec-07	ž	TRIP BLANK	ΠO	100/		
Xylenes (total)	1330-20-7	EPA 624	J75581-4	01-Nov-07	02-Dec-07	ž	TRIP BLANK	ņ	1 ug/l		
cis-1,2-Dichloroethene	156-59-2	EPA 624	J75581-4	D1-Nov-07	02-Dec-07	¥	TRIP BLANK	Ωo	1 ua/l	***************************************	
trans-1,2-Dichloroethene	156-60-5	EPA 624	J75581-4	01-Nov-07	02-Dec-07	¥	TRIP BLANK	O O	1 ua/		
1,3-Dichlorobenzene	541-73-1	EPA 624	175581-4	01-Nov-07	02-Dec-07	ZN	TRIP BLANK	Ωo	1:ug/l	***************************************	
Carbon tetrachloride	56-23-5	EPA 624	J75581-4	01-Nov-07	02-Dec-07	ZN	TRIP BLANK	0.0	1 ua/l		
Chloraform	67-66-3	EPA 624	J75581-4	01-Nov-07	02-Dec-07	Š	TRIP BLANK	O O	Tudi		
Benzene	71-43-2	EPA 624	J75581-4	01-Nov-07	02-Dec-07	ZN	TRIP BLANK	O O	1:44/		
1,1,1-Trichloroethane	71-55-6	EPA 624	J75581-4	01-Nov-07	02-Dec-07	Š	TRIP BLANK	O:0	1:uq/l	***************************************	
Methyl bromide	74-83-9	EPA 624	J75581-4	01-Nov-07	02-Dec-07	Š	TRIP BLANK	٥٥	1 nd/	,	:
Chloromethane	74-87-3	EPA 624	J75581-4	01-Nov-07	02-Dec-07	Š	TRIP BLANK	0.0	1 ua/l		
Chloroethane	75-00-3	EPA 624	J75581 - 4	01-Nov-07	02-Dec-07	Ϋ́	TRIP BLANK) O	1 ug/l		
Vinyl chloride	75-01-4	EPA 624	J75581-4	01-Nov-07	02-Dec-07	¥	TRIP BLANK	n o	2 ua/l		
Methylene chloride	75-09-2	EPA 624	J75581-4	01-Nov-07	02-Dec-07	Š	TRIP BLANK	O O	1 ua/l		
Вготобогт	75-25-2	EPA 624	J75581-4	01-Nav-07	02-Dec-07	Š	TRIP BLANK	Ω°	1 ua/l		
Bromodichloromethane	75-27-4	EPA 624	J75581-4	01-Nov-07	02-Dec-07	Š	TRIP BLANK	Ωo	1 ug/l		
1,1-Dichloroethane	75-34-3	EPA 624	J75581-4	01-Nov-07	02-Dec-07	Š	TRIP BLANK	0.0	1.09/		
1,1-Dichloroethene	75-35-4	EPA 624	J75581-4	01-Nov-07	02-Dec-07	Š	TRIP BLANK	0.0	1,001	· · · · · · · · · · · · · · · · · · ·	:
Trichlorofluoromethane	75-69-4	EPA 624	J75581-4	01-Nov-07	02-Dec-07	Z K	TRIP BLANK	n o	2 ug/l		
Dichlorodifluoromethane	75-71-8	EPA 624	J75581-4	01-Nov-07	02-Dec-07	Š	TRIP BLANK	O O	2 ug/l		
1,2-Dichloropropane	78-87-5	EPA 624	J75581-4	01-Nov-07	02-Dec-07	UNK	TRIP BLANK	0.0	1 ug/l		
1,1,2-Trichloroethane	79-00-5	EPA 624	J75581-4	01-Nov-07	02-Dec-07	Š	TRIP BLANK	Ωo	1 ug/l		
Trichloroethene	79-01-6	EPA 624	J75581-4	01-Nov-07	02-Dec-07	Š	TRIP BLANK	O o	1 ug/l	÷	
1,1,2,2-Tetrachloroethane	79-34-5	EPA 624	J75581-4	01-Nov-07	02-Dec-07	Š	TRIP BLANK	Ωo	1 ug/l		
1,2-Dichlorobenzene	95-50-1	EPA 624	J75581-4	01-Nov-07	02-Dec-07	Š	TRIP BLANK	0.0	1:ua/l	***************************************	
Aluminum, Dissolved	7429-90-5	EPA 200.7	J75581-1F	01-Nov-07	02-Dec-07	SP114	1107	o U	100 ug/l		
Aluminum, Dissolved	:7429-90-5	EPA 2007	. 75504 25	***************************************	*************************	**************					

DATA USABILITY SUMMARY REPORT FOR DECEMBER 2007 MONTHLY COMPLIANCE MONITORING

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

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

SUMMARY

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

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

"U" - not detected at the value given,

"UJ" - estimated and not detected at the value given,

"J" - estimated at the value given, and

"R" - unusable value.

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

VOLATILE ORGANIC ANALYSIS

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

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

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

INORGANIC AND OIL AND GREASE ANALYSIS

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

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

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

e 100-41-4 oropropene 10061-07-5 shloropropene 10061-07-6 shane 10061-07-6 shane 10061-07-6 shane 10061-07-6 shane 1006-07-7 shane 100-90-7 oroethane 124-48-1 shoroethene 126-60-5 senzene 541-73-1 chloride 56-23-5 shloroethene 166-60-5 shloroethene 17-48-3 shloroethene 166-60-5 shloroethene 17-65-8 shloroethene 17-65-9 shloroethene 17-65-9 shloride 74-87-3 shloride 76-23-4 shlane 75-34-3 shlane 75-34-3 shlane 75-34-3 shlane 75-34-3 shlane 75-90-5 oroethane 75-34-5 shloroethane 75-34-5 shloroethane 75-30-5 shloroethane 75-30-5 shloroethane 73-30-5	J78297-1 0		06-Jan-08	SP114 50 SP114 50 SP114 51 SP114	1207 1207 1207 1207 1207 1207 1207 1207	2.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	1 ug/l 1 ug/l 1 ug/l 1 ug/l 1 ug/l	
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ane 10061-02-6 106-46-7 108-88-3 108-90-7 1127-18-4 1127-18-4 1127-18-4 11330-20-7 156-59-2 156-59-2 174-83-9 174-83-9 174-83-9 175-01-4 175-01-4 175-34-3 175-34-3 175-31-4 175-31-4 175-31-8 1		6-Dec-07 6-Dec-07 6-Dec-07 6-Dec-07 6-Dec-07 6-Dec-07 6-Dec-07 6-Dec-07 6-Dec-07 6-Dec-07 6-Dec-07 6-Dec-07 6-Dec-07 6-Dec-07 6-Dec-07	06-Jan-08	SP114 SP	1207 1207 1207 1207 1207 1207 1207 1207	2.0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1.ug/l 1.ug/l 1.ug/l 1.ug/l	
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12448-1 127-184 127-184 156-59-2 156-50-5 16-59-3 17-56-6 17-43-9 17-56-6 17-56-6 17-56-6 17-56-6 17-56-6 17-56-6 17-56-8 17-50-3 17-50-3 17-50-3 17-50-3 17-50-3 17-50-4 17-50-5 17-5		6-Dec-07 6-Dec-07 6-Dec-07 6-Dec-07 6-Dec-07 6-Dec-07 6-Dec-07 6-Dec-07 6-Dec-07 6-Dec-07 6-Dec-07	06-Jan-08 06-Jan-08 06-Jan-08 06-Jan-08 06-Jan-08 06-Jan-08 06-Jan-08 06-Jan-08	SP114 SP114 SP114 SP114 SP114 SP114	1207 1207 1207 1207 1207 1207 1207	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	***************************************	
127-18-4 1330-20-7 156-59-2 16-59-2 16-59-3 17-43-2 17-43-9 17-55-6 17-55-8 17-50-3 17-50-3 17-50-3 17-50-3 17-50-3 17-50-3 17-50-3 17-50-3 17-50-3 17-50-3 17-50-5 17		6-Dec-07 6-Dec-07 6-Dec-07 6-Dec-07 6-Dec-07 6-Dec-07 6-Dec-07 6-Dec-07 6-Dec-07 6-Dec-07	06-Jan-08 06-Jan-08 06-Jan-08 06-Jan-08 06-Jan-08 06-Jan-08 06-Jan-08 06-Jan-08	4114 41148 8 SP114 4 1148 8 SP114 1 4117 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1207 1207 1207 1207 1207 1207	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	l/gn:	
1330-20-7 156-59-2 16-59-2 16-59-3 17-43-2 17-43-9 17-55-6 17-50-3 17-50-3 17-50-3 17-50-3 17-50-3 17-50-3 17-50-3 17-50-4 17-5-35-5 17-5-35-4 17-5-35-5 17-		6-Dec-07	06-Jan-08 06-Jan-08 06-Jan-08 06-Jan-08 06-Jan-08 06-Jan-08 06-Jan-08	A 1117 S S S S S S S S S S S S S S S S S	1207 1207 1207 1207 1207 1207	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1:ug/l	
156-59-2 156-60-5 56-23-5 67-66-3 77-43-9 77-50-3 77-50-3 77-50-2 77-50-3 77-50-3 77-50-3 77-50-4 77-50-4 1 75-34-3 77-34-3 1 75-34-3 1 75-34-3 1 75-34-3 1 75-30-4 1 75-69-4 1		6-Dec-07 6-Dec-07 5-Dec-07 6-Dec-07 6-Dec-07 6-Dec-07 5-Dec-07 6-Dec-07 6-Dec-07	08-Jan-08 08-Jan-08 08-Jan-08 08-Jan-08 06-Jan-08 06-Jan-08 06-Jan-08	20 SP114 20 SP114 20 SP114 21 SP114	1207 1207 1207 1207 1207		1:ug/l	
roethene 156-60-5 zene 541-73-1 orde 56-23-5 fr-43-2 fr-43-2 fr-43-2 fr-43-2 fr-65-8 fr-66-3 77-66-3 77-87-9 rethane 75-21-4 rethane 75-34-3 rethane 76-34-3 rethane 77-39-90-5 rethane 74-39-90-5 rethane 74-39-90-5 rethane 74-39-90-5		6-Dec-07 5-Dec-07 5-Dec-07 6-Dec-07 6-Dec-07 5-Dec-07 6-Dec-07 6-Dec-07 6-Dec-07 6-Dec-07	06-Jan-08 06-Jan-08 06-Jan-08 06-Jan-08 06-Jan-08 06-Jan-08	20 00 00 00 00 00 00 00 00 00 00 00 00 0	1207 1207 1207 1207	л о о о о о	1 ug/l	
zene 541-73-1 ride 56-23-5 (7-66-3 (7-66-3 (7-66-3 (7-67-6 (7-67-9 (7-60-3 (5-Dec-07 5-Dec-07 5-Dec-07 6-Dec-07 5-Dec-07 5-Dec-07 6-Dec-07 6-Dec-07	06-Jan-08 06-Jan-08 06-Jan-08 06-Jan-08 06-Jan-08 06-Jan-08	SP114 SP114 SP114	1207 1207 1207 1207	0 0 0	1,00/l	
nide 56-23-5 67-66-3 17-43-2 thane 71-55-6 74-83-9 74-83-9 74-83-9 74-83-9 75-01-3 75-01-4 ide 75-09-2 75-01-4 ide 75-09-2 ine 75-34-3 ane 75-34-3 ane 75-34-3 ane 75-34-3 ane 75-34-3 ane 75-34-3 ane 75-34-6 ide 75-71-8 cane 78-87-5 finane 79-00-5 finane 79-00-5 finane 79-01-6 oroethane 79-50-1 79-01-6 oroethane 79-34-5 zene 95-50-1		5-Dec-07 5-Dec-07 6-Dec-07 5-Dec-07 5-Dec-07 5-Dec-07 6-Dec-07	06-Jan-08 06-Jan-08 06-Jan-08 06-Jan-08 06-Jan-08	SP114 SP114	1207 1207 1207	O O	1:ua/l	
67-66-3 thane 71-55-6 71-43-2 71-43-2 74-83-9 76-01-3 75-01-4 ide 75-09-2 ine 75-01-4 ine 75-34-3 ine 76-34-3 ine 76-34-3 ine 76-34-5 ine 76-34-3 ine		6-Dec-07 6-Dec-07 6-Dec-07 6-Dec-07 6-Dec-07 6-Dec-07 6-Dec-07	06-Jan-08 06-Jan-08 06-Jan-08 06-Jan-08	SP114	1207 1207		1,00/	
71-43-2 thane 71-55-6 74-83-9 74-87-3 75-00-3 75-01-4 ide 75-09-2 ine 75-25-2 ineltiane 75-34-3 ane 75-34-3 ane 75-36-4 methane 75-36-4 ineltiane 75-71-8 ane 76-36-4 ineltiane 75-71-8 ane 76-36-4 ineltiane 76-71-8 ane 77-71-8 ane 77-7		6-Dec-07 5-Dec-07 6-Dec-07 5-Dec-07 6-Dec-07	06-Jan-08 06-Jan-08 06-Jan-08	מסאיי	1207	<u>⊃</u>	1:ua/l	
thane 71-55-6 74-83-9 74-87-3 75-00-3 75-01-4 ide 75-09-2 nue 75-21-4 nuethane 75-34-3 nane 75-35-4 methane 75-36-4 nane 75-71-8 nane 75-71-8 oroethane 79-00-5 frane 79-01-6 oroethane 79-50-1		5-Dec-07 5-Dec-07 5-Dec-07 6-Dec-07 5-Dec-07	06-Jan-08 06-Jan-08 06-Jan-08	·		54.7	1:00/	
74-83-9 74-87-3 75-00-3 75-01-4 ide 75-09-2 ine 75-27-4 ine 75-34-3 ine 75-30-4 inethane 75-70-6 inane 79-00-5 ina		5-Dec-07 5-Dec-07 5-Dec-07 5-Dec-07	06-Jan-08 06-Jan-08	SP114	1207	1.3	1,00/	
74-87-3 75-01-3 106 75-01-4 Ide 75-09-2 Inthane 75-27-4 Inte 75-34-3 Inte 75-35-4 Inte 75-35-4 Inte 75-00-5 Inte 79-00-5 Inte 79-00-5 Inte 79-00-5 Inte 79-00-5 Inte 79-00-5 Inte 79-00-5 Inte 79-34-5 Inte 79-00-5 Inte 79-00-5 Inte 79-34-5 Inte 79-00-5 Inter 79-00-5 Int		5-Dec-07 5-Dec-07 5-Dec-07	06-Jan-08	SP114	1207	n o	1 Last	
75-00-3 ide 75-01-4 ide 75-09-2 inte 75-27-4 inte 75-34-3 inte 75-34-3 inte 75-35-4 inte 75-35-4 inte 75-00-5 inte 79-00-5 inte 79-00-5 inte 79-00-5 inte 79-00-5 inte 79-00-5 inte 79-34-5 inter 79-30-5 in		5-Dec-07 5-Dec-07		SP114	1207	n o	1 Lov	
Ide 75-01-4 Ide 75-09-2 Inthane 75-25-2 Inthane 75-35-4 Inte 75-36-4 Inte 75-69-4 Inte 75-69-4 Inte 75-69-4 Inte 78-87-5 Inte 79-00-5 Inte 79-01-6 Inte 79-01-6 Intere 79-34-5 Intere 79-30-1		5-Dec-07	UC-Jan-US	SP114	1207	0.62 J	na/	······································
ide 75-09-2 lethane 75-25-2 lethane 75-35-4 lethane 75-36-4 lethane 75-36-4 litane 78-87-5 litane 78-00-5 litane 79-00-5 litane 79-34-5 scene 95-50-1 7429-90-5			06-Jan-08	SP114	1207	2.9	2:ug/	
75-25-2 ane 75-27-4 ane 75-34-3 ane 75-34-3 ane 75-36-4 methane 75-69-4 thane 79-00-5 thane 79-00-5 croethane 79-34-5 zene 95-50-1 7439-89-6		05-Dec-07	06-Jan-08	SP114	1207	٥٥	15m2	•
nethane 75-27-4 ane 75-34-3 ane 75-34-3 methane 75-59-4 methane 75-71-8 ane 78-87-5 thane 79-00-5 oroethane 79-34-5 zene 95-50-1 7439-89-6		05-Dec-07	06-Jan-08	SP114	1207	n o	1 ug/	
ne 75-34-3 ne 75-35-4 nethane 75-69-4 methane 75-71-8 thane 79-00-5 france 79-01-6 oroethane 79-34-5 zene 95-50-1 7439-90-5		05-Dec-07	06-Jan-08	SP114	1207	O O	1:ug/	· · · · · · · · · · · · · · · · · · ·
nethane 75-35-4 methane 75-59-4 methane 75-71-8 ane 78-87-5 thane 79-00-5 oroethane 79-34-5 zene 95-50-1 7429-90-5 7439-90-7	J78297-1 0	05-Dec-07	06-Jan-08	SP114	1207	11.2	1 ug/l	
rethane 75-59-4 methane 75-71-8 ane 78-87-5 thane 79-00-5 oroethane 79-34-5 zene 95-50-1 7429-90-5 7439-90-7	J78297-1 0	05-Dec-07	06-Jan-08	SP114	1207	000	Tiugal	· · · · · · · · · · · · · · · · · · ·
methane 75-71-8 Jane 78-87-5 thane 79-00-5 oroethane 79-34-5 zene 95-50-1 7429-90-5 7439-89-6	J78297-1 0	05-Dec-07	06-Jan-08	SP114	1207	O O	2:ug/l	
nane 78-87-5 thane 79-00-5 rocethane 79-34-5 zene 95-50-1 7429-90-5 7439-90-7		05-Dec-07	06-Jan-08	SP114 ·	1207) 	2iug/l	
thane 79-00-5 79-01-6 oroethane 79-34-5 zene 95-50-1 7429-90-5 7439-89-6	J78297-1 0	05-Dec-07	06-Jan-08	SP114	1207	n o	1 ug/l	
79-01-6 oroelhane 79-34-5 zene 95-50-1 7429-90-5 7439-89-6		05-Dec-07	06-Jan-08	SP114	1207	ח פ	1;ug/l	
oroethane 79-34-5 zene 95-50-1 7429-90-5 7439-89-6 7439-92-1		05-Dec-07	06-Jan-08	SP114	1207	0.0	1,gu]1	
zene 95-50-1 7429-90-5 7439-89-6 7439-92-1		05-Dec-07	06-Jan-08	SP114 :	1207	n o	1.00/	· · · · · · · · · · · · · · · · · · ·
7429-90-5 7439-89-6 7439-92-1	J78297-1 0	05-Dec-07	06-Jan-08	SP114	1207	ΩO	1/6n:L	
7439-89-6 7439-92-1		05-Dec-07	06-Jan-08	SP114	1207	Ωø	100 ug/l	
7439-92-1	J78297-1 0	05-Dec-07	06-Jan-08	SP114	1207	45600	100°ug/l	
		05-Dec-07	06-Jan-08	SP114	1207	O O	3 ug/l	
7440-02-0	J78297-1 0	05-Dec-07	06-Jan-08	SP114	1207	n o	40 ug/l	
7440-38-2	J78297-1 0	05-Dec-07	06-Jan-08	SP114	1207	135	8:ug/l	
otal 7440-47-3	J78297-1 0	05-Dec-07	06-Jan-08	SP114	1207	ΩO	10 ug/l	
ital 7440-50-8	J78297-1 0	05-Dec-07	06-Jan-08	SP114 '	1207	∩ o	. 25 ug/l	
Zinc, Total 7440-66-6 EPA 200.7	J78297-1 0	05-Dec-07	06-Jan-08	SP114	1207	0.0	20:ug/l	

1 of 4

Analyte	Casho	Method	Labsamoid	absampidi Data Sampledi Validation Date	Validation Date	Samole	in location	Rasill Code	21 21 20	Wallet Darett	Well to Lab
	100-41-4	EPA 624	J78297-2	05-Dec-07	06-Jan-08	SP217	3,	Π0			9
cis-1,3-Dichloropropene	10061-01-5 EPA 624	EPA 624	J78297-2	05-Dec-07	06-Jan-08	SP217	1207	ΠO	1:110/		
trans-1,3-Dichloropropene: 10061-02-6;EPA 624	10061-02-6	EPA 624	J78297-2	05-Dec-07	06-Jan-08	SP217	1207	0.0	1,001		
1,4-Dichlorobenzene	106-46-7	EPA 624	J78297-2	05-Dec-07	06-Jan-08	SP217	1207	Ωo	1 ua/		
1,2-Dichloroethane	107-06-2	EPA 624	J78297-2	05-Dec-07	06-Jan-08	SP217	1207	∩ 0	1/Bn L		
Toluene	108-88-3	EPA 624	J78297-2	05-Dec-07	06-Jan-08	SP217	1207	Ωo	1,69/		
Chlorobenzene	108-90-7	EPA 624	J78297-2	05-Dec-07	06-Jan-08	SP217	1207	O O	1:ua/l	***************************************	
Dibromochloromethane	124-48-1	EPA 624	J78297-2	05-Dec-07	06-Jan-08	SP217	1207	Ωo	1.00/		
Tetrachloroethene	127-18-4	EPA 624	J78297-2	05-Dec-07	06-Jan-08	SP217	1207	0.0	1:00/		
Xylenes (total)	1330-20-7	EPA 624	J78297-2	05-Dec-07	06-Jan-08	SP217	1207	Ωo	1 49/		
cis-1,2-Dichloroethene	156-59-2	EPA 624	J78297-2	05-Dec-07	06-Jan-08	SP217	1207	0.92 J	1 ug/l		
ene	156-60-5	EPA 624	J78297-2	05-Dec-07	06-Jan-08	SP217	1207	O,O	1 ua/l		
	541-73-1	EPA 624	J78297-2	05-Dec-07	06-Jan-08	SP217	1207	0.0	1 ug/l		
achloride	56-23-5	EPA 624	J78297-2	05-Dec-07	06-Jan-08	SP217	1207	n o	1.00/l	***************************************	
E	67-66-3	EPA 624	J78297-2	05-Dec-07	06-Jan-08	SP217	1207	2.6	1:ug/l		
Вепzепе	71-43-2	EPA 624	J78297-2	05-Dec-07	06-Jan-08	SP217	1207) O	1 ug/l		
1,1,1-lrichloroethane	71-55-6	EPA 624	J78297-2	05-Dec-07	06-Jan-08	SP217	1207	0.8 J	1:ug/l		
	74-83-9	EPA 624	J78297-2	05-Dec-07	06-Jan-08	SP217	1207	ΩO	1,00/	•	
9	74-87-3	EPA 624	J78297-2	05-Dec-07	06-Jan-08	SP217	1207	Πo	1, bd/l		
Chloroethane	75-00-3	EPA 624	J78297-2	05-Dec-07	06-Jan-08	SP217	1207	00	1:00/		
Vinyl chloride	75-01-4	EPA 624	J78297-2	05-Dec-07	06-Jan-08	SP217	1207	O C	2:00/		
Methylene chloride	75-09-2	EPA 624	J78297-2	05-Dec-07	06-Jan-08	SP217	1207	ΩÖ	1 ug/l		
Bromoform	75-25-2	EPA 624	J78297-2	05-Dec-07	06-Jan-08	SP217	1207) 0	1.00/	***************************************	
ane	75-27-4	EPA 624	J78297-2	05-Dec-07	06-Jan-08	SP217	1207	0.8 J	1.09/	·	***************************************
	75-34-3	EPA 624	J78297-2	05-Dec-07	06-Jan-08	SP217	1207	5.5	1 ug/1	· · · · · · · · · · · · · · · · · · ·	
	75-35-4	EPA 624	J78297-2	05-Dec-07	06-Jan-08	SP217	1207	n Ö	1:ug/l	***************************************	
Irichlorofluoromethane	75-69-4	EPA 624	J78297-2	05-Dec-07	06-Jan-08	SP217	1207	ΩÖ	2 ug/l		
Dichlorodiffuoromethane	75-71-8	EPA 624	J78297-2	05-Dec-07	06-Jan-08	SP217	1207	O O	2: ug/l		
1,2-Dichloropropane	78-87-5	EPA 624	J78297-2	05-Dec-07	06-Jan-08	SP217	1207	ΩO	1 ug/l		
1,1,2-Trichloroethane	79-00-5	EPA 624	J78297-2	05-Dec-07	06-Jan-08	SP217	1207	no	1 ug/l	****	
Trichloroethene	79-01-6	EPA 624	J78297-2	05-Dec-07	06-Jan-08	SP217	1207	ΩÖ	1 ug/l		
hane	79-34-5	EPA 624	J78297-2	05-Dec-07	06-Jan-08	SP217	1207) O	1:ug/	****	
1,2-Dichlorobenzene	95-50-1	EPA 624	J78297-2	05-Dec-07	06-Jan-08	SP217	1207	00	1:ug/		

Analyte	Casho	Melhod	Labsampid	Date Sampled	Validation Date	Samole	Location	Result Code	12	Intel Walk Rest H Walls Once	Wellet Code
Cyanide		EPA 335.4/LACHAT	J78297-3		06-Jan-08		1207	∩ o	0.0		
Ethylbenzene	100-41-4	EPA 624	J78297-3	05-Dec-07	06-Jan-08	SP219	1207	Ωo	1 ua/		
cis-1,3-Dichloropropene	10061-01-5 EPA 624	5 EPA 624	J78297-3	05-Dec-07	06-Jan-08	SP219	1207	Ωø	1 ug/		
trans-1,3-Dichloropropene: 10061-02-6 EPA 624	3 10061-024		J78297-3	05-Dec-07	06-Jan-08	SP219	1207	ΩïO	1 ug/		
1,4-Dichlorobenzene		EPA 624	J78297-3	05-Dec-07	06-Jan-08	SP219	1207	0.0	1 ug/		
1,Z-Uichloroethane		EPA 624	J78297-3	05-Dec-07	06-Jan-08	SP219	1207	n o	/gn:t		
Toluene		EPA 624	J78297-3	05-Dec-07	06-Jan-08	SP219	1207	n o	100	····	
Chlorobenzene	108-90-7	EPA 624	J78297-3	05-Dec-07	06-Jan-08	SP219	1207	Ωo	1 ug/		
Dibromochloromethane 124-48-1	124-48-1	EPA 624	J78297-3	05-Dec-07	06-Jan-08	SP219	1207	O O	100		
Tetrachloroethene	127-18-4	EPA 624	J78297-3	05-Dec-07	06-Jan-08	SP219	1207	0.0	7.5		
Xylenes (total)	1330-20-7	EPA 624	J78297-3	05-Dec-07	06~Jan-08	SP219	1207	n o	1 14		
cis-1,2-Dichloroethene	•••••	EPA 624	J78297-3	05-Dec-07	06-Jan-08	SP219	1207	n o	/bn (
m:	156-60-5	EPA 624	J78297-3	05-Dec-07	06-Jan-08	SP219	1207	no	1.00/		
	541-73-1	EPA 624	J78297-3	05-Dec-07	06-Jan-08	SP219	1207	n o	1 ug/l		
achloride	56-23-5	EPA 624	J78297-3	05-Dec-07	06-Jan-08	SP219	1207	O O	1:00/		
E		EPA 624	J78297-3	05-Dec-07	06-Jan-08	SP219	1207	0.74:J	1 109/		
Benzene		EPA 624	J78297-3	05-Dec-07	06-Jan-08	SP219	1207	n o	/bn:L		
1,1,1-Trichloroethane		EPA 624	J78297-3	05-Dec-07	06-Jan-08	SP219	1207	Ωo	/on L		
Methyl bromide		EPA 624	J78297-3	05-Dec-07	06-Jan-08	SP219	1207	ΩO	1 ug/		
ω:		EPA 624	J78297-3	05-Dec-07	06-Jan-08	SP219	1207	Ωo	1 ug/l		
Chloroethane		EPA 624	J78297-3	05-Dec-07	06-Jan-08	SP219	1207	Ω°O	1:ug/		
Vinyi chloride		EPA 624	J78297-3	05-Dec-07	06-Jan-08	SP219	1207	O O	2.ug/		
Methylene chloride		EPA 624	J78297-3	05-Dec-07	06-Jan-08	SP219	1207	O O	L L		******
Вготогт		EPA 624	J78297-3	05-Dec-07	06-Jan-08	SP219	1207	n o	1 ug/	•	
α ;		EPA 624	J78297-3	05-Dec-07	06-Jan-08	SP219	1207	ΩO	76n T		***************************************
1,1-Dichloroethane	75-34-3	EPA 624	J78297-3	05-Dec-07	06-Jan-08	SP219	1207	22	l'gu !		
1,1-Dichloroethene		EPA 624	J78297-3	05-Dec-07	06-Jan-08	SP219	1207	0.0	1 ug/		
Inchlorofluoromethane	75-69-4	EPA 624	J78297-3	05-Dec-07	06-Jan-08	SP219	1207	O O	2 ug/l		
ane:	75-71-8	EPA 624	J78297-3	05-Dec-07	06-Jan-08	SP219 :	1207	Ωo	2. ug/l		
1,2-Dichloropropane		EPA 624	J78297-3	05-Dec-07	06-Jan-08	SP219	1207	n o	/g		
1,1,2-Inchloroethane		EPA 624	J78297-3	05-Dec-07	06-Jan-08	SP219	1207	Ωo	700,		
Irichloroethene	79-01-8	EPA 624	J78297-3	05-Dec-07	06-Jan-08	SP219	1207	Ωo	log L		
1,1,2,2-letrachloroethane 79-34-5	79-34-5	EPA 624	J78297-3	05-Dec-07	06-Jan-08	SP219	1207	O O	L ug		
1,2-Ulchlorobenzene	95-50-1	EPA 624	J78297-3	05-Dec-07	06-Jan-08	SP219	1207	O o	1.ug/		
Oll And Grease		•••••	J78297-3	05-Dec-07	06-Jan-08	SP219 :	1207	0.0	/вш.g		
Aluminum, Total		{	J78297-3	05-Dec-07	06-Jan-08	SP219	1207	O O	100 ug/		
Iron, Total			J78297-3	05-Dec-07	06-Jan-08	SP219	1207	∩ o	100 Light		
Lead, Total		····	J78297-3	05-Dec-07	06-Jan-08	SP219	1207	n o	3 ug/	***************************************	
Nickel, Total			J78297-3	05-Dec-07	06-Jan-08	SP219	1207	∩ o	40 Lg/		
Arsenic, Total		•••••	J78297-3	05-Dec-07	06-Jan-08	SP219	1207	O 0	/Bn:8		
ē			J78297-3	05-Dec-07	06-Jan-08	SP219	1207	0.0	10 ug/l		
Copper, Total		•••••	J78297-3	05-Dec-07	06-Jan-08	SP219	1207	n o	25 ug/l	***************************************	
Zinc, Total 7440-66-	7440-66-6	EPA 200.7	J78297-3	05-Dec-07	06-Jan-08	SP219	1207	O O	20 ug/l		
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J78297val

Analyte	casuo	Method	117	Date Sampled	Validation Date	Sample	Location	Result Code		RL Units Valid Result Valid Gode	Code
Ethylbenzene	100-41-4		•••••	05-Dec-07	06-Jan-08	Z	TRIP BLANK	0.0			
cis-1,3-Dichloropropene	10061-01-5 EPA 624	5 EPA 624	J78297-4	05-Dec-07	06-Jan-08	ZK	TRIP BLANK	0.0	1 ug/l	***************************************	
trans-1,3-Dichloropropene 10061-02-6 EPA 624	10061-02-	6 EPA 624	J78297-4	05-Dec-07	06-Jan-08	UNK	TRIP BLANK) 0	1 ug/l	***************************************	
1,4-Dichlorobenzene	106-46-7	EPA 624	J78297-4	05-Dec-07	06-Jan-08	UNK	TRIP BLANK	∩.0	1 ug/	***************************************	
1,2-Dichloroethane	107-06-2	EPA 624	J78297-4	05-Dec-07	06-Jan-08	Š	TRIP BLANK	0.0	1 ug/l	***************************************	
Тојиеле	108-88-3	EPA 624	J78297-4	05-Dec-07	06-Jan-08	ž	TRIP BLANK	0.0	1 ug/		
Chlorobenzene	108-90-7	EPA 624	J78297-4	05-Dec-07	06-Jan-08	¥	TRIP BLANK	ספ	1 ug/l	***************************************	
Dibromochloromethane	124-48-1	EPA 624	J78297-4	05-Dec-07	06-Jan-08	¥	TRIP BLANK	no	1 ug/l	***************************************	
Tetrachloroethene	Υ.	EPA 624	J78297-4	05-Dec-07	06-Jan-08	ZK	TRIP BLANK	ÜÖ	1.ua/l		
Xylenes (total)	1330-20-7	EPA 624	J78297-4	05-Dec-07	06-Jan-08	Ž	TRIP BLANK	O O	1:ug/l	***************************************	
cls-1,2-Dichloroethene	156-59-2	EPA 624	J78297-4	05-Dec-07	06-Jan-08	CNK N	TRIP BLANK	0.0	1 ug/l		
trans-1,2-Dichloroethene	156-60-5	EPA 624	J78297-4	05-Dec-07	06-Jan-08	ZK	TRIP BLANK	0 0	1 ua/l		
1,3-Dichlorobenzene	541-73-1	EPA 624	J78297-4	05-Dec-07	06-Jan-08	Z	TRIP BLANK	0.0	1 ug/l		
Carbon tetrachloride	56-23-5	EPA 624	J78297-4	05-Dec-07	06-Jan-08	Š	TRIP BLANK) 0	1, ug/l	***************************************	
Chloroform	67-66-3	EPA 624	J78297-4	05-Dec-07	06-Jan-08	Š	TRIP BLANK) 0	1:ug/	***************************************	
Benzene	71-43-2	EPA 624	J78297-4	05-Dec-07	06-Jan-08	Š	TRIP BLANK	0.0	1 ug/l		
1,1,1-Trichloroethane	71-55-6	EPA 624	J78297-4	05-Dec-07	06-Jan-08	Š	TRIP BLANK	0.0	1 ug/l	***************************************	
Methyl bromide	74-83-9	EPA 624	J78297-4	05-Dec-07	06-Jan-08	¥	TRIP BLANK	n o	1 ua/1		
Chloromethane	74-87-3	EPA 624	J78297-4	05-Dec-07	06-Jan-08	¥	TRIP BLANK	0.0	1 ug/l	***************************************	
Chloroethane	<u> </u>	EPA 624	J78297-4	05-Dec-07	06-Jan-08	Ž	TRIP BLANK	ΩO	1,00/L	***************************************	
Vinyl chloride	<u></u>	EPA 624	J78297-4	05-Dec-07	06-Jan-08	ZN	TRIP BLANK	0.0	2 ug/l		
아마막		EPA 624	J78297-4	05-Dec-07	06-Jan-08	Š	TRIP BLANK	O O	1 ua/I		
Bromoform	75-25-2	EPA 624	J78297-4	05-Dec-07	06-Jan-08	Z	TRIP BLANK	0.0	1 ug/l	***************************************	
Bromodichloromethane	75-27-4	EPA 624	J78297-4	05-Dec-07	06-Jan-08	Š	TRIP BLANK	n o	1 ug/l	***************************************	
1,1-Dichloroethane	75-34-3	EPA 624	J78297-4	05-Dec-07	06-Jan-08	Š	TRIP BLANK	n o	1/gn L		
1,1-Dichloroethene	75-35-4	EPA 624	J78297-4	05-Dec-07	06-Jan-08	Š	TRIP BLANK	n o	1,ug/l		
Trichlorofluoromethane	75-69-4	EPA 624	J78297-4	05-Dec-07	06-Jan-08	Š	TRIP BLANK	n o	2 ug/l		
Dichlorodifluoromethane	75-71-8	EPA 624	J78297-4	05-Dec-07	06-Jan-08	Ϋ́	TRIP BLANK	∩ o	2;ug/l		
1,2-Dichloropropane	78-87-5	EPA 624	J78297-4	05-Dec-07	06-Jan-08	Š	TRIP BLANK	O O	1 ug/l		
1,1,2-Trichloroethane	79-00-5	EPA 624	J78297-4	05-Dec-07	06-Jan-08	Š	TRIP BLANK	O O	1 ug/l	***************************************	
Trichlaroethene	79-01-6	EPA 624	J78297-4	05-Dec-07	06-Jan-08	¥	TRIP BLANK	O O	1 ug/l		
1,1,2,2-Tetrachloroethane :79-34-5	79-34-5	EPA 624	J78297-4	05-Dec-07	06-Jan-08	ž	TRIP BLANK	O O	1 ug/l	· · · · · · · · · · · · · · · · · · ·	
1,2-Dichlorobenzene	95-50-1	•••••	J78297-4	05-Dec-07	06-Jan-08	Š	• • • • • • • • • • • • • • • • • • • •	<u> </u>	1 ug/l		
Aluminum, Dissolved	7429-90-5	••••	J78297-1F	05-Dec-07	06-Jan-08	SP114	1207	Ω°	100; ug/l	***************************************	
Aluminum, Dissolved	7429-90-5	EPA 200.7	J78297-3F	05-Dec-07	06-Jan-08	SP219	****	0.0	100 ug/l	***************************************	
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