December 11, 2006

Mr. Michael J. Negrelli Remedial Project Manager U.S. Environmental Protection Agency Region 2 290 Broadway Avenue NYC SB2 – 20th Floor New York, New York 10007-1866

RE: 2005 Annual Progress Monitoring Report Phase 1

Operable Unit 2

Former Sinclair Refinery Site

Wellsville, New York

Dear Mr. Negrelli:

Attached herewith are two copies of the 2005 Annual Progress Monitoring Report Phase 1 – Operable Unit at the Former Sinclair Refinery Site in Wellsville, New York. The report discusses the operation and maintenance activities for associated with the groundwater extraction and treatment system and presents groundwater monitoring data collected during 2005. For you use, an electronic version of the report has been provided on the CD included within the report.

If you have any questions regarding this submittal, please do not hesitate to contact me at (630) 836-6955.

Sincerely,

Íoseph)P. Sontchi, CPG

Environmental Business Manager

Atlantic Richfield Company, a BP affiliated company

cc: (w/ attachment)

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Prepared for:
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2005 ANNUAL PROGRESS MONITORING REPORT PHASE I – OPERABLE UNIT 2

FORMER SINCLAIR REFINERY SITE WELLSVILLE, NEW YORK

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

December 2006

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Appendix A – Electronic Copy of This Report

Appendix B – Validation Report (Monthly Compliance and Annual Groundwater Data)

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, 2005. An electronic copy of this report is included as Appendix A.

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

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

The OU2 remedial actions have consisted of the following:

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

The phased groundwater remediation approach was approved in 1994. Phase I remediation of groundwater involved the construction, operation, and monitoring of a groundwater extraction and water treatment system, and three air sparging/soil vapor extraction (AS/SVE) systems. Operation of these remedial systems was initiated in 1995 and enhanced with an expanded AS/SVE system in December 1997. Phase I groundwater remediation is complete as documented in *Phase I Completion Report, Former Sinclair Refinery Site (OU2) Wellsville, New York,* August, 2001. The Phase I AS/SVE systems were deactivated in July 2003 following USEPA approval of the Phase II Remedial Design Investigation Work Plan. The Phase I groundwater extraction and water treatment system is scheduled to continue operations until Phase II is implemented. Design activities for Phase II are currently being finalized. Phase II is anticipated to include a downgradient hydrogeologic barrier and an engineered wetland treatment system.

1.2 Report Organization

This report documents the Phase I progress monitoring completed from January 1 through December 31, 2005. 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.

2005 System Operations

During 2005, the treatment system operated 93% of the time. A total of approximately 4,904,625 gallons of water were treated. Approximately five cubic yards of sludge was produced from the metals treatment unit and properly disposed off-site. Additionally, eight 55-gallon drums of absorbents, used filter sand and used personnel protective equipment (PPE) were properly disposed off-site. Both the boxes and drums were disposed as Non-Hazardous Waste at an approved off-site facility. A 2005 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), once installed, was completed on a monthly basis. The monthly effluent analytical results are below discharge limits except in April 2005. The April 2005 effluent benzene concentration was detected at 14.5 mg/L, greater than the 10 mg/L discharge limit. The GAC units were installed as a corrective measure in response to this exceedance. Monthly compliance analytical results are presented in Table 2. Third part 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 to USEPA entitled: *Proposed Revisions to Interim OU2 Groundwater Monitoring Plan, Former Sinclair Refinery, Wellsville, NY,* dated April 29, 2003. This plan was approved by USEPA in correspondence dated May 28, 2003. The interim plan requires 13 wells along the downgradient side of the Site be sampled annually during the second quarter of the year.

3.1 Sampling and Analysis

The 2005 annual OU2 groundwater sampling event was completed between June 7 and 10, 2005. 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
Northe	rn Area
MW-10	BTEX, CVOC, SVOC, Ar
MW-11	BTEX, Ar
MW-69A	BTEX, CVOC, Ar
MW-78	BTEX, Ar
MW-7	0 Area
MW-70	BTEX, SVOC, Ar
OW-1	BTEX, SVOC, Ar
OW-3	BTEX, SVOC, Ar
Centra	al Area
MW-9	BTEX, Ar
MW-71	BTEX, Ar
OW-4	BTEX, Ar

Well	Required Analysis
Southe	rn Area
MW-7	BTEX, Ar
MW-55	BTEX, Ar
MW-96	BTEX, Ar

Notes:

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

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

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

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

Sampling was completed following low-flow sampling techniques using a combination of non-dedicated submersible and peristaltic pumps. The pump and Teflon® coated tubing were decontaminated between each well following a three step washing procedure: (i) phosphate-free detergent (Liqui-nox) and tap water wash; (ii) tap water rinse; followed by (iii) distilled water rinse. Equipment rinsate blanks were collected from each pump and tubing each day used. Well locations with analytical results are shown on 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 2005 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 in two of the four Northern Area wells sampled and AWQS in one well. Since the Northern Area has

ongoing groundwater extraction and treatment, BTEX groundwater concentrations over time have been tracked as presented in Figure 4. Since 1999, BTEX groundwater concentrations in the Northern Area are significantly lower than historic concentrations.

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

The Central Area includes wells MW-09, MW-71 and OW-04. BTEX was not detected in these wells during 2005.

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

A tabular listing of the June 2005 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 2005 samples were tested for cis-1,2-dichloroethene (cDCE) and vinyl chloride as required by the current monitoring plan. The June 2005 concentrations decreased slightly from the levels observed in 2004, although the results are generally in the range of historic results. In 2005, MW-69A exceeded the AWQS and MCL for vinyl chloride. The June 2005 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). In June 2005, the required SVOC samples were collected from MW-10, MW-70, OW-1 and OW-3 in accordance with the current monitoring plan. Due to a laboratory sample login error, nitrosobenzene was not in the

instrument calibration and therefore not reported. Historically, nitrosobenzene has only been detected in two of these four wells (MW-70 and OW-03) and it has not been detected since 2001. SVOCs were not detected at MW-10 in the June 2005 sampling event. With the exception of aniline and nitrobenzene, no SVOCs were detected at MW-70, OW-1 and OW-3 during June 2005. Both aniline and nitrobenzene exceeded AWQSs at all three locations. The levels observed are consistent with historical data from these wells. June 2005 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 2005. Total arsenic was detected in samples from 11 of the 13 monitoring wells. Arsenic was not detected at MW-09 or MW-71. The arsenic MCL is 0.010 mg/L and the AWQS is 0.025 mg/L. In June 2005, total arsenic concentrations exceeded both MCL and AWQS at MW-10, MW-11, MW-55, MW-69A, MW-70, MW-78, MW-96 and OW-1. Additionally, the arsenic MCL was exceeded at MW-7, OW-3 and OW-4. June 2005 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 (EB1-605, EB2-605, EB3-605 and EB4-605) were collected by pumping distilled water through the pumps and tubing into laboratory provided sample bottles. Equipment blank EB1-605 was collected on June 8, 2005 from the peristaltic pump and tubing used on that day. Equipment blank samples EB2-605, EB3-605 and EB4-605 were collected from the submersible pump and tubing, one each day utilized. Analytical results for EB1-605 are non-detect. The other three equipment blank samples show low level BTEX compound detections. Additionally, EB3-605 and EB4-605 exhibited nitrobenzene detections. As part of the data validation process, groundwater analytical results associated with the submersible pump with detections less than

the validation action concentration (five times the value detected in the associated equipment blank) were considered non-detect and are flagged "U". The corrective action for these equipment blank detections included discarding the tubing and disassembly and thorough cleaning of the stainless steel submersible pump. Equipment rinsate blanks results are presented in Table 7.

A field duplicate sample was collected from OW-01 on June 9, 2005. The samples were analyzed for BTEX, SVOCs and arsenic. Analytical results compare favorably between the samples, with the exception of Aniline. Due to this low precision, data validation resulted in aniline results flagged "J" (estimated) for these two samples. A field duplicate sample comparison is shown in Table 8.

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

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

4.0 GROUNDWATER PHYSICAL AND GEOCHEMICAL RESULTS

4.1 Groundwater Elevations

Groundwater levels were measured on June 7, 2005 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 not detected with the interface probe at the wells. However, a slight sheen was observed on the interface probe when removed from MW-07.

Oil absorbent socks were installed in MW-07 and OW-03 (OW-03 has historically contained LNAPL). The socks were installed as a precautionary measure prior to sampling. The socks were removed from the wells immediately prior to purging and sampling each well. Groundwater elevations were calculated by subtracting the depth to water measurements from the survey elevation of the top of well casings (measuring point elevation). These groundwater elevation data, along with previous elevations were plotted verses time. The plots are presented as Figures 5 to 8 for the Northern Area, MW-70 Area, Central Area and Southern Area.

4.2 LNAPL Thickness Measurements and Removal

As a proactive measure, LNAPL removal was conducted at three wells (MW-75, MW-85 and MW-86) during 2005. These three wells are the only wells where LNAPL is routinely measured at an apparent thickness more than 0.01 ft thickness. Measurements are first conducted to determine the thickness, if any, of LNAPL in the wells. Any LNAPL present is removed by installing absorbent socks in the wells whenever an apparent LNAPL thickness greater than 0.01 ft was measured. During 2005, approximately 3.8 ounces (oz) of LNAPL was removed from MW-75; approximately 1.4 oz from MW-85; and approximately 52.6 oz from MW-86. Table 10 provides details on LNAPL measurements and removal.

4.3 Groundwater Geochemical Parameters

Groundwater geochemical parameter monitoring was performed in the field during the June 2005 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 2005 geochemical monitoring are generally consistent with historic results. DO levels continue to be low and ORP readings indicate reducing conditions at the wells. The June 2005 geochemical field parameters are listed in Table 11.

5.0 GENESEE RIVER MONITORING

River seep monitoring and boom management continues to be conducted in accordance with previously submitted plans.

River bank seeps have not been observed since June 2001. However, subaqueous seep activities continue during periods of low river water levels and warm temperatures. In 2005, absorbent booms and sweeps were installed on May 10, 2005 and removed for the winter on November 4, 2005. Boom replacement was conducted periodically throughout the year due to washout or visual appearance. Boom replacement occurred on July 13, 2005, August 10, 2005, September 2, 2005 and October 18, 2005. In event of a boom washout, tethers attaching the booms to the river bank prevent loss during high river levels.

Table 1

2005 Off-Site Disposal Summary Former Sinclair Refinery Site (OU2) Wellsville, New York

Drum / Box No.	Contents	Туре	Profile No.	Disposal Date	Manifest No.	Disposal Facility
D-114	River Booms	Non-Hazardous	CS4642	4/14/2005	WMNH003737	CWM Chemical Services, Inc.
D-115	PPE/LNAPL/Socks	Non-Hazardous	CS4644	10/7/2005	WMNH003738	CWM Chemical Services, Inc.
D-116	Sand	Non-Hazardous	CS4644	4/14/2005	WMNH003737	CWM Chemical Services, Inc.
D-117	Sand	Non-Hazardous	CS4644	4/14/2005	WMNH003737	CWM Chemical Services, Inc.
D-118	River Booms	Non-Hazardous	CS4642	10/7/2005	WMNH003738	CWM Chemical Services, Inc.
D-119	River Booms	Non-Hazardous	CS4642	10/7/2005	WMNH003738	CWM Chemical Services, Inc.
D-120	River Booms	Non-Hazardous	CS4642	10/7/2005	WMNH003738	CWM Chemical Services, Inc.
D-121	River Booms	Non-Hazardous	CS4642	10/7/2005	WMNH003738	CWM Chemical Services, Inc.
B-1	Filter Cake	Non-Hazardous	VB5107	4/14/2005	WMNH003737	CWM Chemical Services, Inc.
B-2	Filter Cake / Iron Filters	Non-Hazardous	VB5107	4/14/2005	WMNH003737	CWM Chemical Services, Inc.
B-3	Filter Cake	Non-Hazardous	VB5107	10/7/2005	WMNH003738	CWM Chemical Services, Inc.
B-4	Filter Cake / Iron Filters	Non-Hazardous	VB5107	10/7/2005	WMNH003738	CWM Chemical Services, Inc.
B-5	Filter Cake	Non-Hazardous	VB5107	10/7/2005	WMNH003738	CWM Chemical Services, Inc.

Notes:

1) D - 55 gallon drum

2) B - 1 cubic yard box

Table 2

	1/18/	2005	2/2/2	2005	3/2/2	2005	4/5/2	2005	4/28/	2005	Discharge
Parameter	Influent	Effluent	Influent	Effluent	Influent	Effluent	Influent	Effluent	Influent	Effluent	Limits
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	NA	NA	
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	NA	NA	0.1
Arsenic	0.081	0.0066	0.0923	0.005 U	0.0867	0.005 U	0.0873	0.005 U	NA	NA	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	NA	NA	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	NA	NA	0.5
Iron	47.5	0.77	45.5	0.242	41.7	0.288	50.2	0.329	NA	NA	4
Lead	0.003 U	0.003 U	0.003 U	0.003 U	0.003 U	0.0035	0.003 U	0.003 U	NA	NA	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	NA	NA	
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	NA	NA	0.052
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	
1,1,1-Trichloroethane	0.0032	0.001 U	0.0062	0.0005 J	0.003	0.001 U	0.0046	0.0012	0.008	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	
1,1,2-Trichloroethane	0.0006 J	0.001 U	0.001 U	0.001 U	0.00038 J	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	
1,1-Dichloroethane	0.0207	0.0006 J	0.0304	0.0043	0.0144	0.001 U	0.0155	0.0058	0.0269	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	0.00055 J	0.001 U	
1,2-Dichlorobenzene	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	
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 UJ	
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	
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	
Benzene	0.0778	0.0018	0.0868	0.0076	0.0614	0.00055 J	0.0691	0.0145	0.0898	0.00087 J	0.01
Bromodichloromethane	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	
Bromoform	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	
Bromomethane (Methyl bromide)	0.001 U	0.001 U	0.001 U			0.001 U	0.001 U		0.001 U	0.001 UJ	
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 UJ	
Chlorobenzene	0.00068 J	0.001 U	0.001 U	0.001 U	0.00057 J	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	
Chloroethane	0.0013	0.001 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	
Chloroform	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	
Chloromethane	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	
cis-1,2-Dichloroethene	0.0627	0.0023	0.0627	0.0081	0.0616	0.0011	0.0327	0.0098	0.0922	0.0016	0.03
cis-1,3-Dichloropropene	0.001 U	0.001 U	0.001 U			0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	
Dibromochloromethane	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	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	0.001 U	
Ethyl benzene	0.0052	0.001 U	0.0112	0.00089 J	0.0053	0.001 U	0.0055	0.00081 J	0.0137	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	

	1/18/	1/18/2005		2/2/2005		3/2/2005		2005	4/28/2005		Discharge
Parameter	Influent	Effluent	Influent	Effluent	Influent	Effluent	Influent	Effluent	Influent	Effluent	Limits
Toluene	0.0044	0.00031 J	0.0065	0.00086 J	0.0042	0.001 U	0.0038	0.001	0.0069	0.001 U	0.01
trans-1,2-Dichloroethene	0.001	0.001 U	0.0012	0.001 U	0.00057 J	0.001 U	0.001 U	0.001 U	0.0013	0.001 U	
trans-1,3-Dichloropropene	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	
Trichloroethene	0.0021	0.001 U	0.001 U	0.001 U	0.0018	0.001 U	0.0018	0.00031 J	0.0021	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	
Vinyl chloride	0.0753	0.002 U	0.0724	0.0019 J	0.0271	0.002 U	0.0586	0.0064	0.0793	0.002 U	0.05
Xylenes (total)	0.0058	0.001 U	0.0077	0.00085 J	0.0058	0.001 U	0.0051	0.00081 J	0.0064	0.001 U	0.01
Cyanide	NA	R	NA	R	NA	0.01 U	NA	0.01 UJ	NA	NA	
Oil & Grease	NA	5.1 UJ	NA	5.1 U	NA			5.1 U	NA	NA	15
Field pH (Std units)	6.45	7.67	NA	NA	6.47	7.59	6.58	7.42	NA	NA	6.5 - 8.5

Table 2

	5/3/2	2005	6/2/2	2005	7/8/2	2005	8/4/2	2005	9/6/2	2005	Discharge
Parameter	Influent	Effluent	Influent	Effluent	Influent	Effluent	Influent	Effluent	Influent	Effluent	Limits
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	
Aluminum, dissolved	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1				
Arsenic	0.0828	0.005 U	0.0874	0.005 U	0.0828	0.005 U	0.0942	0.005 U	0.112	0.005 U	0.15
Chromium	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	0.5				
Iron	44.6		44.4	0.269	41.7	0.1 U	41.5	0.1 U	45.8	0.203	4
Lead	0.003 U	0.003 U	0.0042	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	
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	0.052
1,3-Dichlorobenzene	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U					
1,1,1-Trichloroethane	0.0079	0.00015 J	0.0118	0.001 U	0.0077	0.001 U	0.0093	0.001 U	0.0067	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					
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	
1,1-Dichloroethane	0.0233	0.0013	0.0183	0.00037 J	0.0165	0.001 U	0.018	0.001 U	0.0112	0.001 U	0.03
1,1-Dichloroethene	0.00038 J	0.001 U	0.0012	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					
1,2-Dichloroethane	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					
1,4-Dichlorobenzene	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U					
Benzene	0.0884	0.0025	0.0826	0.0008 J	0.0726	0.001 U	0.0806	0.001 U	0.066	0.001 U	0.01
Bromodichloromethane	0.001 U	0.001 U	0.001 U		0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	
Bromoform	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U					
Bromomethane (Methyl bromide)	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					
Chlorobenzene	0.001 U	0.001 U	0.00083 J	0.001 U		0.001 U	0.001	0.001 U	0.00065 J	0.001 U	
Chloroethane	0.001	0.001 U	0.001 U	0.001 U	0.00092 J	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	
Chloroform	0.001 U	0.001 U	0.001 U	0.00067 J	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	
Chloromethane	0.001 U	0.001 U	0.001 U	0.001 U	0.001 UJ	0.001 UJ					
cis-1,2-Dichloroethene	0.0843		0.103	0.0021	0.0642	0.001 U	0.0634	0.001 U	0.0252	0.001 U	0.03
cis-1,3-Dichloropropene	0.001 U		0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	
Dibromochloromethane	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U					
Dichlorodifluoromethane	0.002 U	0.002 U	0.002 UJ	0.002 UJ	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					
Ethyl benzene	0.0129		0.0084	0.001 U	0.0028	0.001 U	0.0034	0.001 U	0.0023	0.001 U	0.01
Tetrachloroethene	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U					

	5/3/2	5/3/2005		6/2/2005		7/8/2005		8/4/2005		9/6/2005	
Parameter	Influent	Effluent	Influent	Effluent	Influent	Effluent	Influent	Effluent	Influent	Effluent	Discharge Limits
Toluene	0.0073	0.0007 J	0.0066	0.00025 J	0.0035	0.001 U	0.0046	0.001 U	0.0043	0.001 U	0.01
trans-1,2-Dichloroethene	0.0012	0.001 U	0.0012	0.001 U	0.00091 J	0.001 U	0.0016	0.001 U	0.001 U	0.001 U	
trans-1,3-Dichloropropene	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	
Trichloroethene	0.0028	0.001 U	0.0074	0.001 U	0.0023	0.001 U	0.0011	0.001 U	0.001 U	0.001 U	
Trichlorofluoromethane	0.002 U	0.002 U	0.002 UJ	0.002 UJ	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	
Vinyl chloride	0.0996	0.00052 J	0.101	0.002 U	0.0635	0.002 U	0.102	0.002 U	0.0793	0.002 U	0.05
Xylenes (total)	0.0082	0.001 U	0.0106	0.001 U	0.0037	0.001 U	0.0045	0.001 U	0.0055	0.001 U	0.01
Cyanide	NA	0.01 U	NA	0.01 UJ	NA	0.01 U	NA	0.01 UJ	NA	0.01 U	
Oil & Grease	NA	5.1 U	NA	5.2 U	NA	5.1 U	NA	5.1 U	NA	5.1 U	15
Field pH (Std units)	6.65	8	6.64	7.96	6.5	8.01	NA	NA	6.52	7.49	6.5 - 8.5

Table 2

		10/4/2005			11/3/2005			12/5/2005		Discharge
Parameter	Influent	Between GAC	Effluent	Influent	Between GAC	Effluent	Influent	Between GAC	Effluent	Limits
Aluminum	0.1 U	NA	0.1 U	0.1 U	NA	0.1 U	0.1 U	NA	0.1 U	
Aluminum, dissolved	0.1 U	NA	0.1 U	0.1 U	NA	0.1 U	0.1 U	NA	0.1 U	0.1
Arsenic	0.116	NA	0.005 U	0.119	NA	0.005 U	0.108	NA	0.005 U	0.15
Chromium	0.01 U	NA	0.01 U	0.01 U	NA	0.01 U	0.01 U	NA	0.01 U	0.5
Copper	0.025 U		0.025 U	0.025 U	NA	0.025 U	0.025 U	NA	0.025 U	0.5
Iron	45.3	NA	0.1 U	50.6	NA	0.1 U	55.1	NA	0.135	4
Lead	0.003 U	NA	0.003	0.003 U	NA	0.003 U	0.003	NA	0.003 U	0.004
Nickel	0.04 U		0.04 U	0.04 U	NA	0.04 U	0.04 U	NA	0.04 U	
Zinc	0.02 U	NA	0.02 U	0.02 U	NA	0.02 U	0.146		0.02 U	0.052
1,3-Dichlorobenzene	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	
1,1,1-Trichloroethane	0.0084	0.001 U	0.001 U	0.0031	0.001 U	0.001 U	0.0033	0.001 U	0.001 U	0.01
1,1,2,2-Tetrachloroethane	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	
1,1,2-Trichloroethane	0.001 U		0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	
1,1-Dichloroethane	0.014	0.00044 J	0.001 U	0.012	0.0006 J	0.00031 J	0.023	0.00092 J	0.00044 J	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	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	
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	
1,4-Dichlorobenzene	0.001 U		0.001 U	0.001 U	0.001 U		0.001 U	0.001 U	0.001 U	
Benzene	0.0677	0.001 U	0.001 U	0.0685	0.001 U	0.001 U	0.0932	0.001 U	0.001 U	
Bromodichloromethane	0.001 U		0.001 U	0.001 U		0.001 U	0.001 U	0.001 U	0.001 U	
Bromoform	0.001 UJ	0.001 UJ	0.001 UJ	0.001 U	0.001 U	0.001 U	0.001 U		0.001 U	
Bromomethane (Methyl bromide)	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	
Chlorobenzene	0.00074 J	0.001 U	0.001 U		0.001 U		0.001 U		0.001 U	
Chloroethane	0.00066 J	0.001 U	0.001 U		0.001 U		0.001 U		0.001 U	
Chloroform	0.001 U		0.001 U				0.001 U		0.0004 J	
Chloromethane	0.001 U		0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	
cis-1,2-Dichloroethene	0.0371	0.00083 J	0.001 U	0.0152	0.00081 J	0.001 U	0.0452	0.0012	0.001 U	0.03
cis-1,3-Dichloropropene	0.001 U		0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	
Dibromochloromethane	0.001 U		0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	
Dichlorodifluoromethane	0.002 U		0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	
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	0.0024		0.001 U		0.001 U		0.0043	0.001 U	0.001 U	
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	

2005 Groundwater Treatment System Monthly Compliance Monitoring Analytical Results Former Sinclair Refinery Site (OU2) Wellsville, New York

(mg/L except where noted)

		10/4/2005			11/3/2005			12/5/2005		
Parameter	Influent	Between GAC	Effluent	Influent	Between GAC	Effluent	Influent	Between GAC	Effluent	Discharge Limits
Toluene	0.0047	0.001 U	0.001 U	0.0041	0.001 U	0.001 U	0.0044	0.001 U	0.001 U	0.01
trans-1,2-Dichloroethene	0.00093 J	0.001 U	0.001 U	0.00083 J	0.001 U	0.001 U	0.0012	0.001 U	0.001 U	
trans-1,3-Dichloropropene	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	
Trichloroethene	0.00064 J	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	
Trichlorofluoromethane	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	
Vinyl chloride	0.0831	0.0007 J	0.00045 J	0.0544	0.00069 J	0.00071 J	0.08	0.002 U	0.002 U	0.05
Xylenes (total)	0.006	0.001 U	0.001 U	0.0049	0.001 U	0.001 U	0.0044	0.001 U	0.001 U	0.01
Cyanide	NA	NA	0.01 U	NA	NA	0.01 UJ	NA	NA	0.01 UJ	
Oil & Grease	NA	NA	5.1 U	NA	NA	5.2 U	NA	NA	5.1 U	15
Field pH (Std units)	6.58	NA	7.42	NA	NA	6.87	NA	NA	7.23	6.5 - 8.5

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

2005 Groundwater BTEX Concentrations Former Sinclair Refinery Site (OU2) Wellsville, New York (mg/L)

Well	Benzene	Toluene	Ethyl benzene	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	rn Area		
MW-10	0.0011	0.001 U	0.001 U	0.001 U	0.0011
MW-11	0.00079 J	0.001 U	0.001 U	0.001 U	0.00079
MW-69A	0.0618	0.00045 J	0.00061 J	0.00031 J	0.06317
MW-78	0.0259	0.0001 U	0.001 U	0.00031 J	0.02621
		MW-70	0 Area		
MW-70	0.0163	0.0394	0.0158	0.0749	0.1464
OW-01	0.0424	0.0023	0.00058 J	0.0017	0.04698
OW-03	0.0085	0.0206	0.0088	0.0559	0.0938
		Centra	al Area		
MW-09	0.001 U	0.001 U	0.001 U	0.001 U	ND
MW-71	0.001 U	0.001 U	0.001 U	0.001 U	ND
OW-04	0.001 U	0.001 U	0.001 U	0.001 U	ND
		Southe	rn Area		
MW-07	0.0045	0.0028 U	0.001 U	0.0045 U	0.0045
MW-55	0.0255	0.011	0.0562	0.0592	0.1519
MW-96	0.0026 U	0.001 U	0.001 U	0.001 U	ND

Notes:

- 1) Groundwater sampling conducted between June 7 and 10, 2005.
- 2) EPA 8260 Analysis with Benzene, Toluene, Ethylbenzene and Xylenes (total) reported.
- 3) ¹ Maximum Contaminate Level, National Primary Drinking Water Regulations (40 CFR 141.11-141.16)
- 4) ² New York State Ambient Water Quality Standards, Class GA Groundwater (NYCRR 700-706, TOG 1.1.1)
- 5) 3 New York State Xylene AWQS is for each isomer, results are for Total Xylene
- 6) NA Not Applicable
- 7) ND Not Detected
- 8) U Analyte not detected at detection limit shown
- 9) J Concentration value is approximate

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

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

2005 Groundwater Chlorinated VOC Concentrations Former Sinclair Refinery Site (OU2) Wellsville, New York (mg/L)

Well	cis-1,2-Dichloroethene	Vinyl chloride								
MCL ¹	0.07	0.002								
AWQS ²	0.005	0.002								
Northern Area										
MW-10	0.001 U	0.001 U								
MW-69A	0.0028	0.0048								

Notes:

- 1) Groundwater sampling conducted between June 7 and 10, 2005.
- 2) EPA 8260 Analysis with cis-1,2-Dichloroethene and Vinyl chloride reported.
- 3) ¹ Maximum Contaminate Level, National Primary Drinking Water Regulations (40 CFR 141.11-141.16)
- 4) ² New York State Ambient Water Quality Standards, Class GA Groundwater (NYCRR 700-706, TOG 1.1.1)
- 5) U Analyte not detected at detection limit shown

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

2005 Groundwater Semi-Volatile Organic Compound Concentrations Former Sinclair Refinery Site (OU2) Wellsville, New York (mg/L)

Well	2-Aminophenol	Aniline	Azobenzene	Azoxybenzene	Nitrobenzene				
MCL ¹	NA	NA	NA	NA	NA				
AWQS ²	0.001	0.005	0.005	NA	0.0004				
	Northern Area								
MW-10	0.02 U	0.002 U	0.005 U	0.005 U	0.002 U				
	MW-70 Area								
MW-70	0.02 U	0.0863	0.005 U	0.005 U	5.79				
OW-01	0.02 U	2.230 J	0.005 U	0.005 U	0.002 U				
OW-03	0.02 U	0.0496	0.005 U	0.005 U	6.03				

Notes:

- 1) Groundwater sampling conducted between June 7 and 10, 2005.
- 2) EPA 8270 Analysis with 2-Aminophenol, Aniline, Azobenzene, Azoxybenzene and Nitrobenzene reported.
- 3) 1 Maximum Contaminate Level, National Primary
- 4) ² New York State Ambient Water Quality
- 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)

2005 Groundwater Arsenic Concentrations Former Sinclair Frefinery Site (OU2) Wellsville, New York (mg/L)

Well	Arsenic						
MCL ¹	0.010						
AWQS ²	0.025						
Northern Area							
MW-10	0.0348						
MW-11	0.0524						
MW-69A	0.0658						
MW-78	0.0272						
MW-7	0 Area						
MW-70	0.042						
OW-01	0.0715						
OW-03	0.0239						
Centr	al Area						
MW-09	0.005 U						
MW-71	0.005 U						
OW-04	0.0124						
Southern Area							
MW-07	0.0192						
MW-55	0.0676						
MW-96	0.0414						

Notes:

- 1) Groundwater sampling conducted between June 7 and 10, 2005.
- 2) EPA 6010 Analysis with Total Arsenic reported.
- 3) Maximum Contaminate Level, National Primary Drinking Water Regulations (40 CFR 141.11-141.16)
- 4) Arsenic MCL lowered from 0.05 mg/L to 0.01 mg/L.
- 5) ² New York State Ambient Water Quality Standards, Class GA Groundwater (NYCRR 700-706, TOG 1.1.1)
- 6) U Analyte not detected at detection limit shown

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

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

2005 Groundwater Sampling Equipment Rinsate Blank Concentrations Former Sinclair Refinery Site (OU2) Wellsville, New York (mg/L)

Parameter	EB1-605 6/8/2005	EB2-605 6/8/2005	EB 3-605 6/9/2005	EB 4-605 6/10/2005
Benzene	0.001 U	0.001 U	0.00093 J	0.001 U
Ethyl benzene	0.001 U	0.001 U	0.0015	0.00044 J
Toluene	0.001 U	0.00074 J	0.0032	0.0014
cis-1,2-Dichloroethene	0.001 U	0.001 U	NA	NA
Vinyl chloride	0.001 U	0.001 U	NA	NA
Xylenes (total)	0.001 U	0.001 U	0.0062	0.0025
2-Aminophenol	NA	0.02 U	0.02 U	0.02 U
Aniline	NA	0.002 U	0.002 U	0.002 U
Azobenzene	NA	0.005 U	0.005 U	0.005 U
Azoxybenzene	NA	0.005 U	0.005 U	0.005 U
Nitrobenzene	NA	0.002 U	0.0163	0.0092
Arsenic	0.005 U	0.005 U	0.005 U	0.005 U

- 1) EB1-605 collected by pumping laboratory grade water through peristaltic pump and tubing; associated with samples collected from MW-9, MW-55 and MW-69A.
- 2) EB2-605 collected by pumping distilled water through submersible pump and tubing; associated with samples collected from MW-10, MW-11 and MW-78.
- 3) EB3-605 collected by pumping distilled water through submersible pump and tubing; associated with samples collected from MW-70, MW-71, MW-96 and OW-1.
- 4) EB4-605 collected by pumping distilled water through submersible pump and tubing; associated with samples collected from MW-7 and OW-3.
- 5) U Analyte not detected at detection limit shown
- 6) J Concentration value is approximate
- 7) NA Not Analyzed

2005 Groundwater Field Duplicate Sample Comparison Former Sinclair Refinery Site (OU2) Wellsville, New York (mg/L)

Parameter	OW1-605	Dup of OW1-605					
Volatile Organic Compounds - Method 8260							
Benzene	0.0424	0.0415					
Ethyl benzene	0.00058 J	0.00056 J					
Toluene	0.0023	0.0024					
Xylenes (total)	0.0017	0.0018					

Semivolatile Organic Compounds - Method 8270

2-Aminophenol	0.02 U	0.02 U
Aniline	2.230 J	0.0149 J
Azobenzene	0.005 U	0.005 U
Azoxybenzene	0.005 U	0.005 U
Nitrobenzene	0.002 U	0.002 U

Metals - Method 6010

Arsenic	0.0715	0.0707

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

Table 9

2005 Groundwater Elevations Former Sinclair Refinery Site (OU2) Wellsville, New York

Well	Depth to Water (ft)	Depth to LNAPL (ft)	Well Measuring Point Elevation (ft amsl ¹)	Water Table Elevation (ft amsl ¹)
MW-7	12.74	ND	1500.42	1487.68
MW-9	11.78	ND	1499.67	1487.89
MW-10	15.74	ND	1497.71	1481.97
MW-11	14.65	ND	1496.03	1481.38
MW-55	10.28	ND	1500.34	1490.06
MW-69A	16.10	ND	1497.91	1481.81
MW-70	14.14	ND	1495.30	1481.16
MW-71	14.04	ND	1499.19	1485.15
MW-78	16.32	ND	1497.79	1481.47
MW-96	12.76	ND	1500.00	1487.24
OW-1	17.20	ND	1498.28	1481.08
OW-3	15.61	ND	1498.20	1482.59
OW-4	13.79	ND	1499.01	1485.22

- 1) ND LNAPL Not Detected with interface probe
- 2) Water levels measured on 6/7/05 prior to commencing well purging and sampling activities
- 3) ¹ feet above mean sea level (NGVD 29, U.S. Survey Feet)

2005 LNAPL Measurements and Removal Former Sinclair Refinery Site (OU2) Wellsville, New York

Date	Depth to LNAPL (ft)	Depth to Water (ft)	Apparent LNAPL Thickness (ft)	Comment	Sock LNAPL Saturation (in)	Approximate Amount of LNAPL Removed ¹ (oz)
------	------------------------	------------------------	--	---------	-------------------------------------	---

MW-75							
9/30/2005	7.58	7.60	0.02				
10/6/2005	8.01	8.15	0.14	Installed One 18" Sock			
10/13/2005	7.85	7.86	0.01	Removed Sock	4	3.8	
	2005 Total LNAPL Removed from MW-75 (oz): 3.8						

MW-85							
9/15/2005	3.01	3.15	0.14	Installed One 18" Sock			
9/21/2005		3.17	0.00	Removed Sock	1.5	1.4	
	2005 Total LNAPL Removed from MW-85 (oz): 1.4						

	MW-86							
9/15/2005	7.10	7.50	0.40	Installed One 18" Sock				
9/21/2005	7.57	7.65	0.08	Removed / Installed One 18" Sock	18	16.9		
9/30/2005	6.88	7.20	0.32	Removed / Installed One 18" Sock	18	16.9		
10/6/2005	7.20	7.24	0.04	Removed / Installed One 18" Sock	16	15.0		
10/13/2005	6.87	6.88	0.01	Removed Sock	4	3.8		
	2005 Total LNAPL Removed from MW-86 (oz): 52.6							

¹ - The approximate amount of LNAPL removed during 2005 was calculated based on length of sock saturation and manufacturer information indicating that a 18" sock absorbs 17 oz NAPL.

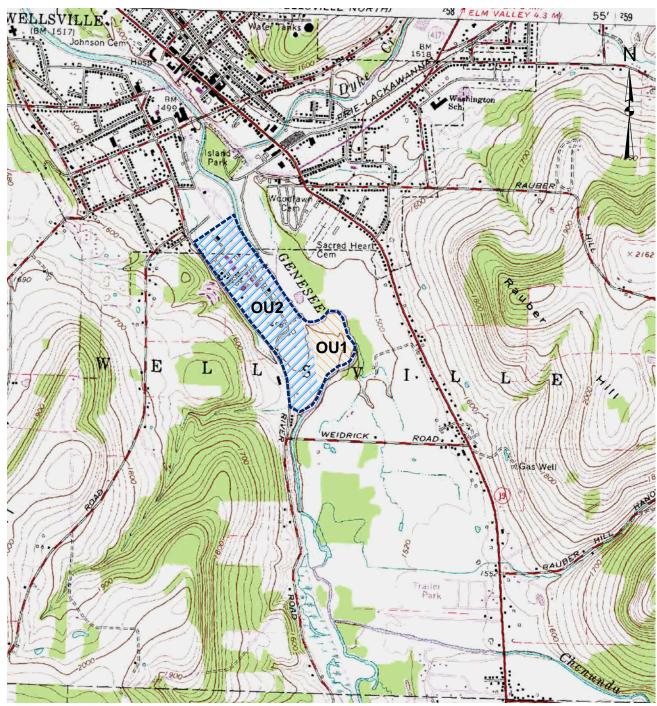
Table 11

2005 Groundwater Geochemical Parameters Former Sinclair Refinery Site (OU2) Wellsville, New York

				Paran	neter		
Well	Date	pH (SU)	Conductivity (micro siemens)	Turbidity (NTU)	DO (mg/L)	Temperature (°C)	ORP (mV)
MW-7	6/10/2005	6.54	454	21.3	1.23	23.11	-100.0
MW-9	6/8/2005	6.56	1895	30.8	0.52	21.64	-172.4
MW-10	6/8/2005	6.41	895	3.89	0.11	21.05	-110.7
MW-11	6/8/2005	6.26	398	1.30	0.14	17.04	-91.9
MW-55	6/8/2005	6.74	424	0.64	0.21	15.34	-127.2
MW-69A	6/7/2005	6.14	807	0.39	0.23	15.78	-66.9
MW-70	6/9/2005	6.50	1171	5.03	0.46	24.16	-134.0
MW-71	6/9/2005	6.37	875	1.22	0.09	16.95	-101.1
MW-78	6/8/2005	6.17	692	0.76	0.09	17.06	-82.1
MW-96	6/9/2005	6.58	573	1.04	0.10	9.36	-125.7
OW-1	6/9/2005	6.79	831	1.65	0.08	17.82	-116.7
OW-3	6/10/2005	6.43	1091	1.92	0.63	19.17	-106.1
OW-4	6/9/2005	6.42	1054	1.24	0.10	14.90	-93.3

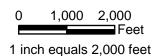
- 1) pH, Conductivity, DO, Temperature and ORP measured with properly calibrated YSI 556 MPS water quality meter
- 2) Turbidity measured with properly calibrated Hach 2100P turbidity meter

SITE LOCATION



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



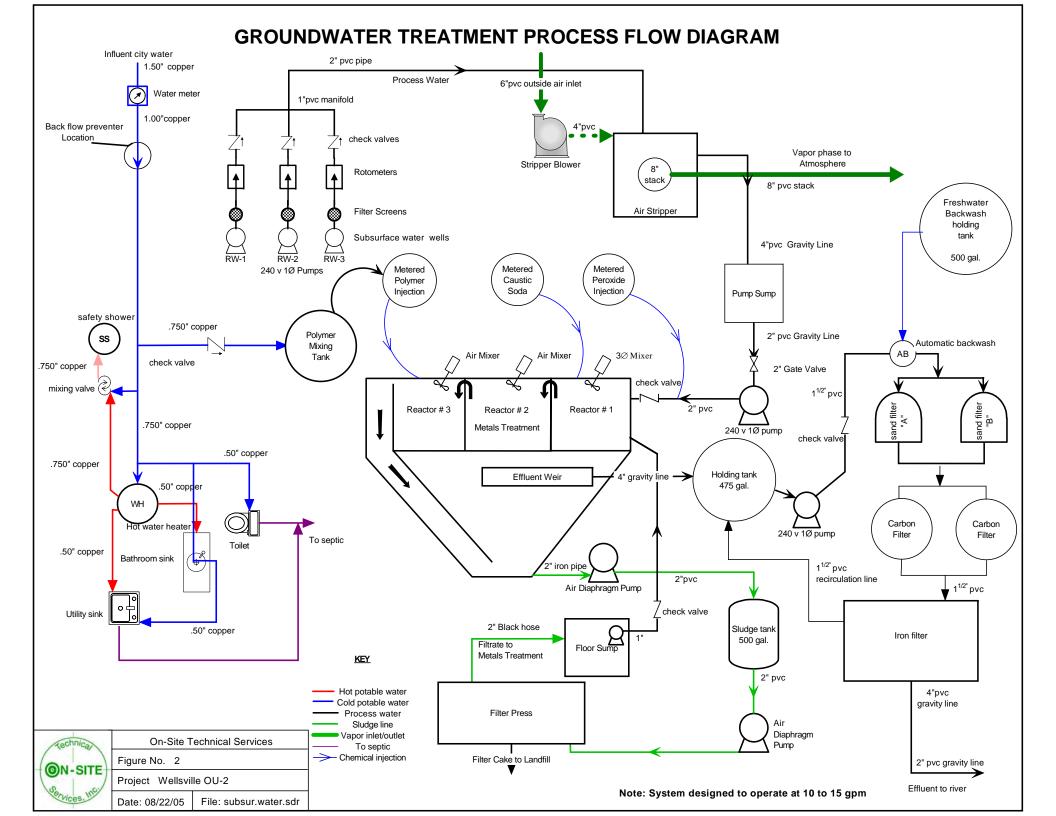


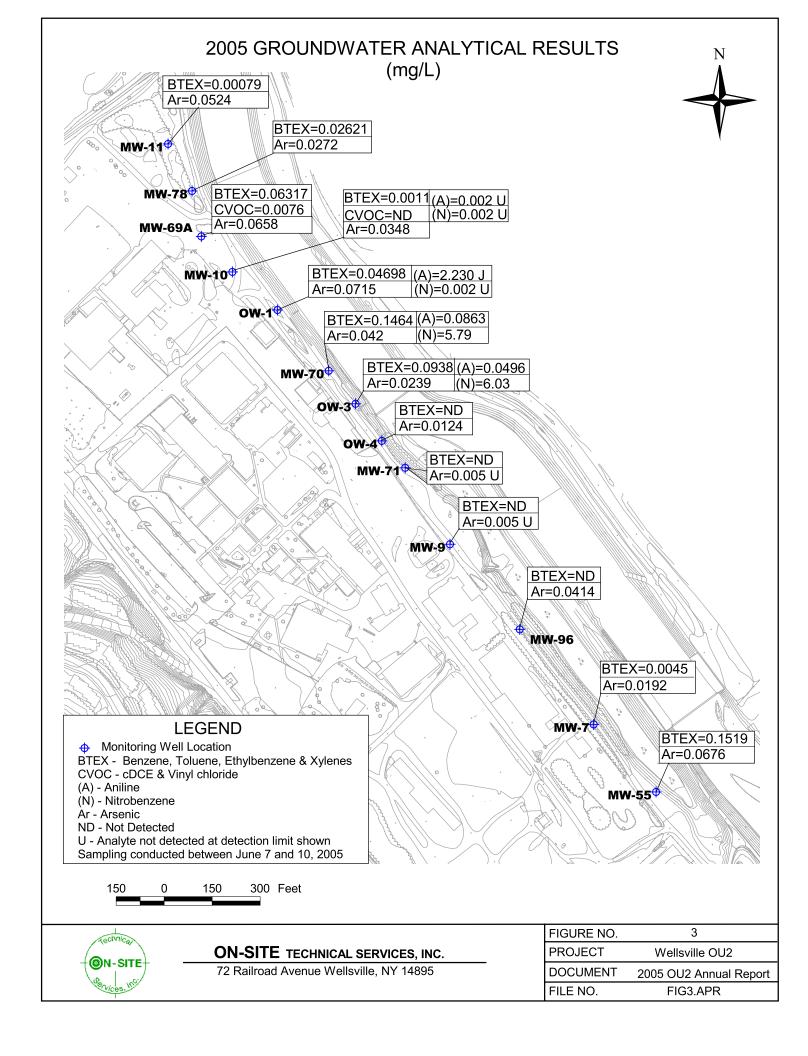


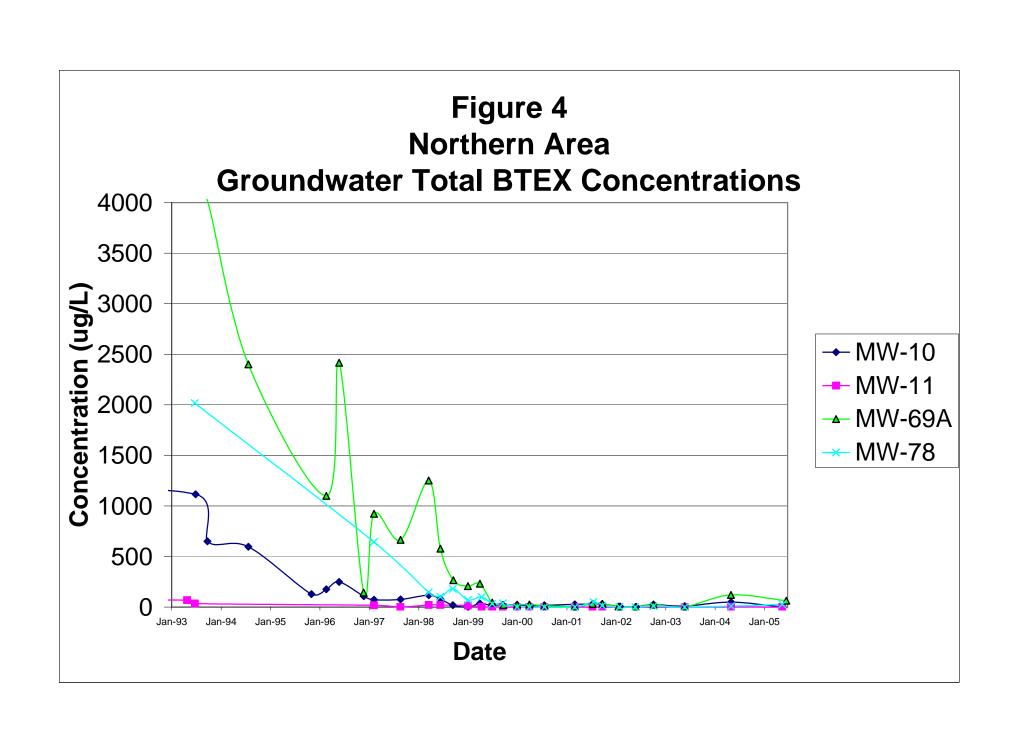
ON-SITE TECHNICAL SERVICES, INC.

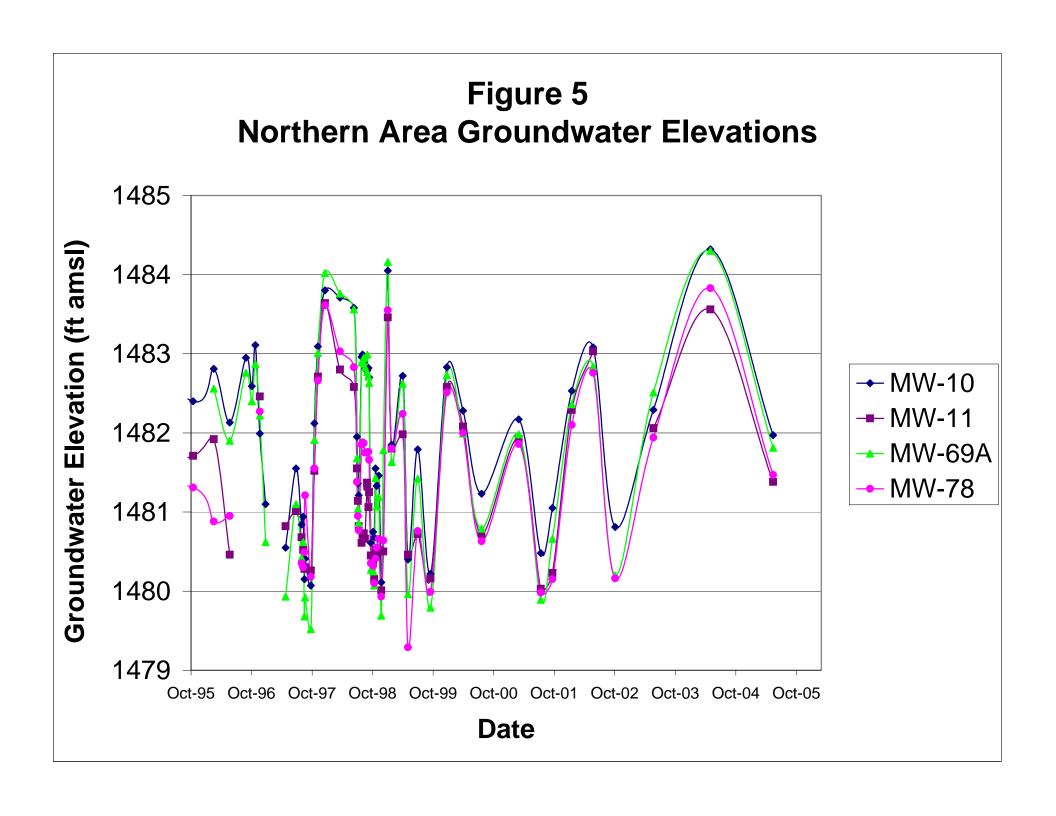
72 Railroad Avenue Wellsville, NY 14895

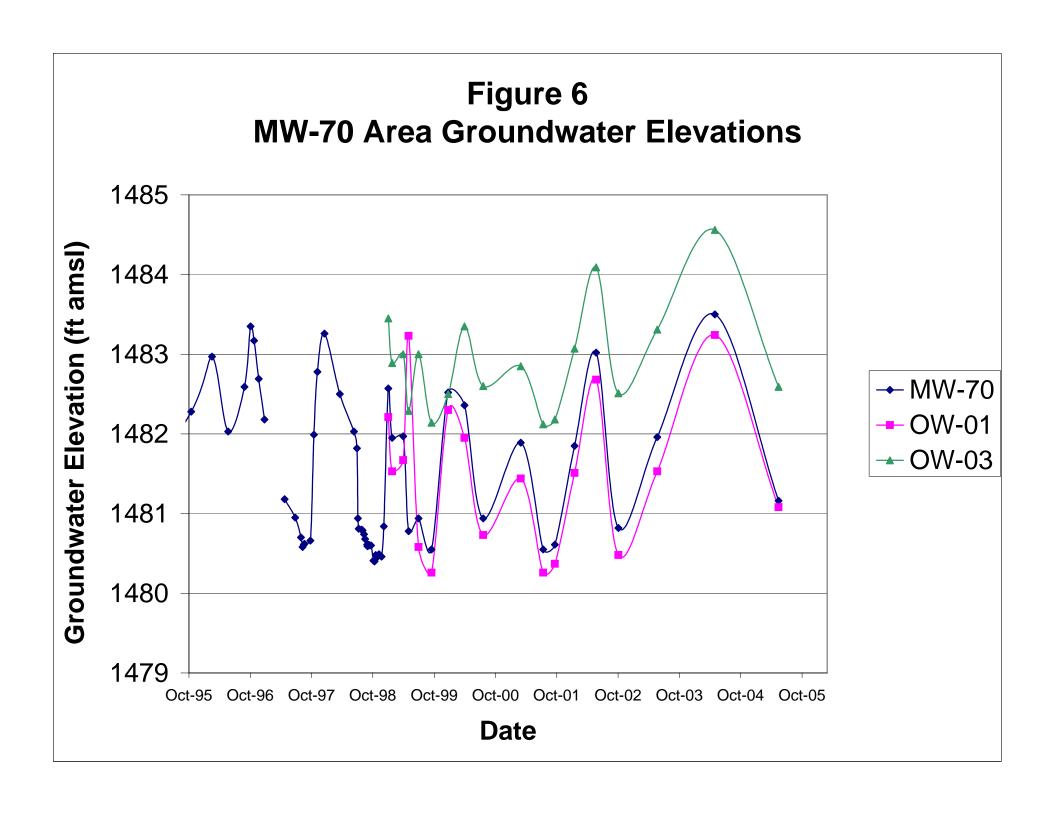
FIGURE NO.	1
PROJECT	WELLSVILLE OU2
DOCUMENT NO.	2005 OU2 REPORT
FILE NO.	FIG1-SITELOC.MXD

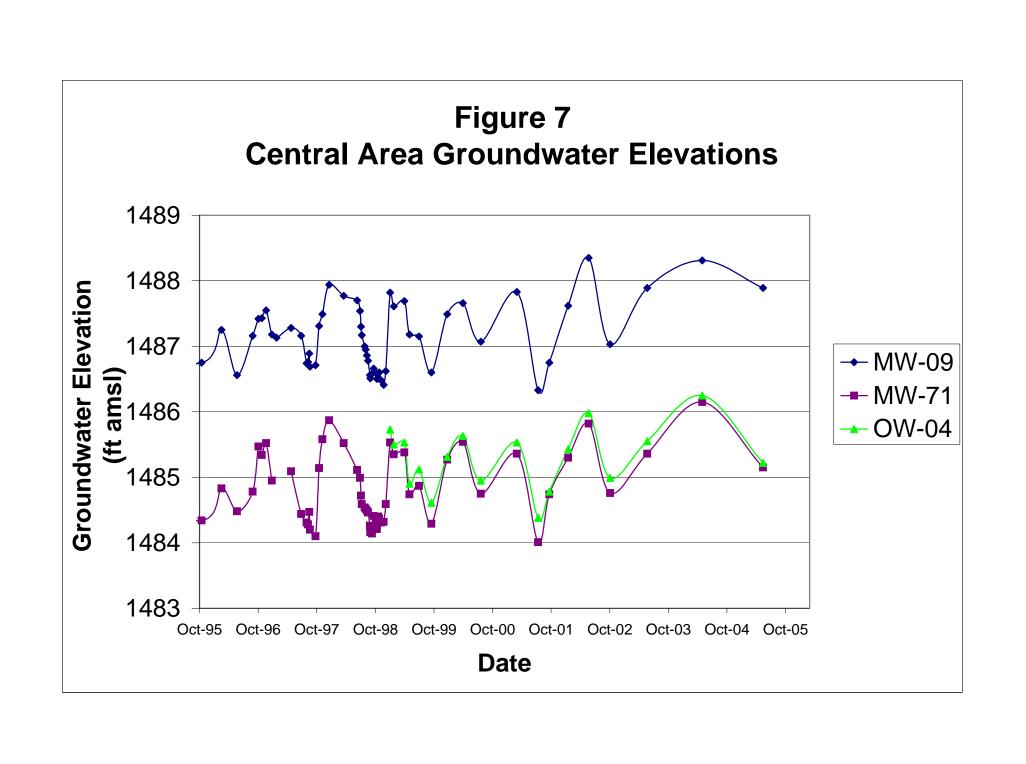


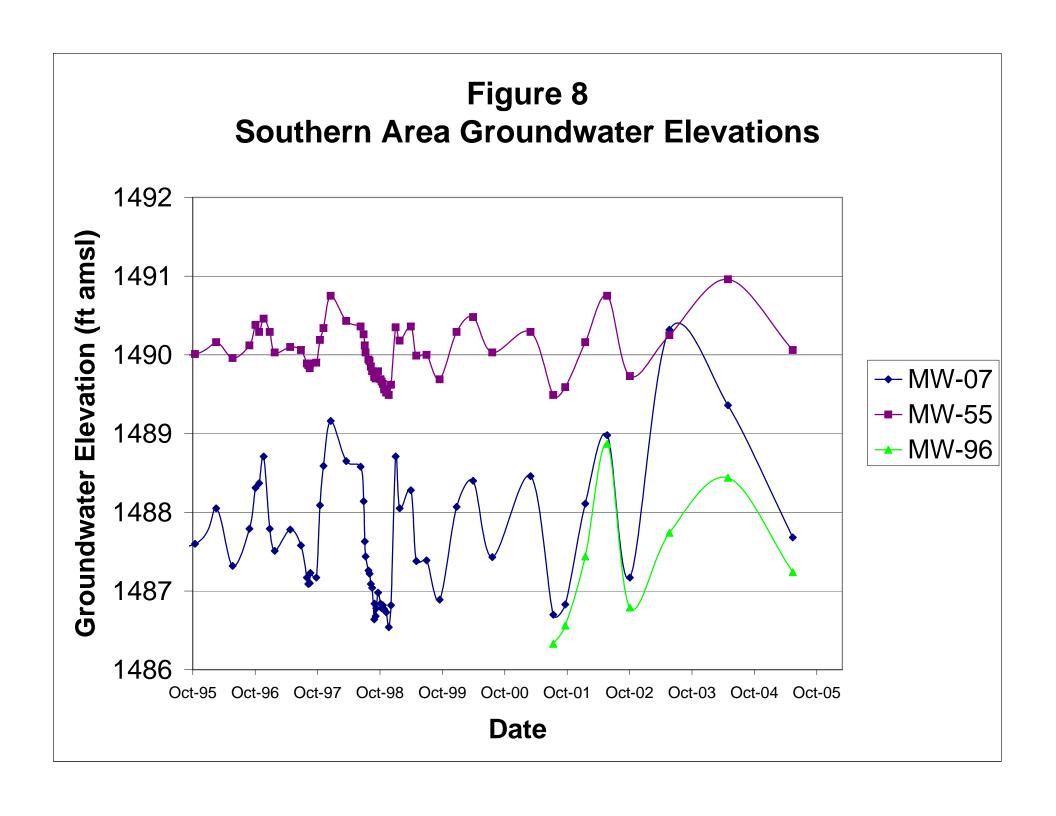












DATA USABILITY SUMMARY REPORT FOR JANUARY 2005 MONTHLY COMPLIANCE MONITORING

FORMER SINCLAIR REFINERY SITE WELLSVILLE, NEW YORK

Prepared For:

Atlantic Richfield Company

102 Pickering Way – Suite 200 Exton, Pennsylvania 19341

Prepared By:

PARSONS

290 Elwood Davis Road, Suite 312 Liverpool, New York 13088 Phone: (315) 451-9560

Fax: (315) 451-9570

REVIEWED AND APPROVED BY:

Project Manager: // / Ston doll

Technical Manager:

Date ' - 4 /12 /05

Date

APRIL 2005

DATA USABILITY SUMMARY REPORT FOR JANUARY 2005 MONTHLY COMPLIANCE MONITORING

ATLANTIC RICHFIELD COMPANY WELLSVILLE, NEW YORK

Two groundwater samples and one field QC trip blank were collected from the Atlantic Richfield Company site in Wellsville, New York on January 18, 2005. These samples were received by Accutest Laboratories (Accutest) within one day of collection on January 19, 2005. 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 1664. Analytical results from these project samples were validated by performing a Level C data validation and reviewed by Parsons 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 4.2°C. All samples were received intact and in good condition at Accutest.

The analytical data package generated by Accutest (Accutest Job # N88774) was received by Parsons within 14 days of sample receipt at the laboratory, reviewed, and validated for custody documentation, holding times, surrogate recoveries, matrix spike/matrix spike duplicate (MS/MSD) recoveries, laboratory control sample (LCS) recoveries, laboratory method blank contamination, trip blank contamination, instrument calibrations, laboratory duplicate precision, quantitation limits, and data completeness. The laboratory sample data were reviewed and may be qualified with the following validation flags:

"U" - not detected at the value given,

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

"J" - estimated at the value given, and

"R" - unusable value.

The validated laboratory data were tabulated and are presented in the attached table.

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 (i.e., usable).

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 1664 analyses:

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

These items were considered compliant and acceptable in accordance with the validation protocols with the exception of the low matrix spike recoveries for cyanide (20.1%; QC limit 48-135%R) and oil and grease (74.8%R; QC limit 79-114%R) associated with all samples. As a result, the cyanide and oil and grease sample results were considered estimated, possibly biased low, with positive results qualified "J" and nondetected results qualified "UJ". However, nondetected cyanide sample results were considered unusable and qualified "R" since MS recoveries fell below 30%. Therefore, the inorganic data and the oil and grease data presented by Accutest were 95% complete with all data considered usable and valid.

Atlantic Ric	hfield Company	Sample ID:	SP-114	SP-219	TRIP BLANK
Wellsville, N	٩Y	Lab Sample Id:	N88774-1/1F	N88774-2/2F	N88774-3
Validated M	onthly Groundwater Data	Source:	Accutest	Accutest	Accutest
January 200.	5 Sampling	SDG:	N88774	N88774	N88774
-		Matrix:	WATER	WATER	WATER
		Sampled:	1/18/2005	1/18/2005	1/18/2005
		Validated:	4/11/2005	4/11/2005	4/11/2005
Casno	Compound	Units			
	<u>V</u> OEATHES				
75-27-4	Bromodichloromethane	UG/L	IU	1 U	1 U
75-25-2	Bromoform	UG/L	1 U	1 U	1 U
74-84-9	Bromomethane	UG/L	ប្រ	1 U	1 U
56-24-5	Carbon tetrachloride	UG/L	1 U	1 Ü	1 U
108-90-7	Chlorobenzene	UG/L	0.68 J	1 U	1 U
75-00-4	Chloroethane	UG/L	1.3	1 U	1 U
67-66-4	Chloroform	UG/L	1 U	1 U	. I U
74-87-4	Chloromethane	UG/L	1 U	1 U	1 U
124-48-1	Dibromochloromethane	UG/L	1 U	1 U	1 U
95-50-1	1,2-Dichlorobenzene	UG/L	1 U	1 U	1 U
541-73-1	1,3-Dichlorobenzene	UG/L	ָ ז ט	1 U	1 U
106-46-7	1,4-Dichlorobenzene	UG/L	ΙU	1 U	1 U
75-71-8	Dichlorodifluoromethane	UG/L	2 U	2 U	2 U
75-44-4	1,1-Dichloroethane	UG/L	20.7	0.6 J	1 U
107-06-2	1,2-Dichloroethane	UG/L	1 U	1 U	1 U
75-45-4	1,1-Dichloroethene	UG/L	1 U	1 U	1 U
156-59-2	cis-1,2-Dichloroethene	UG/L	62.7	2.3	1 U
156-60-5	trans-1,2-Dichloroethene	UG/L	1	1 U.	1 U
78-87- <i>5</i>	1,2-Dichloropropane	UG/L	1 U	1 U	1 U
10061-01-5	cis-1,3-Dichloropropene	UG/L	1 U	1 U	1 U
10061-02-6	trans-1,3-Dichloropropene	UG/L	1 U	ΙU	1 U
75-09-2	Methylene Chloride	UG/L	1 U	1 U	1 U
79-44-5	1,1,2,2-Tetrachloroethane	UG/L	1 U	1 U	1 U
127-18-4	Tetrachloroethene	UG/L	1 Ü	1 U	1 U
71-55-6	1,1,1-Trichloroethane	ŪG/L	3.2	1 U	1 U
79-00-5	1,1,2-Trichloroethane	UG/L	0.6 J	1 U	1 U
79-01-6	Trichloroethene	UG/L	2.1	١U	. 1 U
75-69-4	Trichlorofluoromethane	UG/L	2 U	2 U	2 U
75-01-4	Vinyl chloride	UG/L	75.3	2 U	2 U
71-44-2	Benzene	UG/L	77.8	1.8	1 U
108-88-4	Toluene	UG/L	4.4	0.31 J	1 U
100-41-4	Ethylbenzene	UG/L	5.2	1 U	1 U
1440-20-7	Xylenes (total) METALS	UG/L	5.8	1 U	1 U
7429-90-5	Aluminum	MG/L	,,,,	0.1.11	
7449-90-3 7440-48-2	Aruminum		0.1 U	0.1 U	
		MG/L	0.081	0.0066	
7440-47-4	Corner	MG/L	0.01 U	U 10.0	
7440-50-8	Copper	MG/L	0.025 U	0.025 U	
7449-89-6	Iron	MG/L	47.5	0.77	
7449-92-1	Lead	MG/L	0.003 U	0.003 U	
7440-02-0	Nickel Zinc	MG/L	0.04 U	0.04 U	
7440-66-6	EIETERED METAES	MG/L	0.02 U	0.02 U	
7429-90-5	Aluminum-Filtered ©THER	MG/L	0.1 U	0.1 U	
	Cyanide	MG/L		R	
	Oil and Grease	MG/L		5.1 UJ	
	Ph (Field)	SU	6.45	7.67	

DATA USABILITY SUMMARY REPORT FOR FEBRUARY 2005 MONTHLY COMPLIANCE MONITORING

FORMER SINCLAIR REFINERY SITE WELLSVILLE, NEW YORK

Prepared For:

Atlantic Richfield Company

102 Pickering Way – Suite 200 Exton, Pennsylvania 19341

Prepared By:

PARSONS

290 Elwood Davis Road, Suite 312 Liverpool, New York 13088 Phone: (315) 451-9560 Fax: (315) 451-9570

REVIEWED AND APPROVED BY:

Project Manager: Manager: Mondolls 7/15/05

Date

Technical Manager: Mondolls 7/15/05

Date

APRIL 2005

DATA USABILITY SUMMARY REPORT FOR FEBRUARY 2005 MONTHLY COMPLIANCE MONITORING

ATLANTIC RICHFIELD COMPANY WELLSVILLE, NEW YORK

Two groundwater samples and one field QC trip blank were collected from the Atlantic Richfield Company site in Wellsville, New York on February 2, 2005. These samples were received by Accutest Laboratories (Accutest) within one day of collection on February 3, 2005. 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 1664. Analytical results from these project samples were validated by performing a Level C data validation and reviewed by Parsons 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°C. All samples were received intact and in good condition at Accutest.

The analytical data package generated by Accutest (Accutest Job # N89880) was received by Parsons within 15 days of sample receipt at the laboratory, reviewed, and validated for custody documentation, holding times, surrogate recoveries, matrix spike/matrix spike duplicate (MS/MSD) recoveries, laboratory control sample (LCS) recoveries, laboratory method blank contamination, trip blank contamination, instrument calibrations, laboratory duplicate precision, quantitation limits, and data completeness. The laboratory sample data were reviewed and may be qualified with the following validation flags:

"U" - not detected at the value given,

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

"J" – estimated at the value given, and

"R" - unusable value.

The validated laboratory data were tabulated and are presented in the attached table.

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 (i.e., usable).

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 1664 analyses:

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

These items were considered compliant and acceptable in accordance with the validation protocols with the exception of the 0% matrix spike recovery for cyanide associated with all samples. As a result, the nondetected cyanide sample results were considered unusable and qualified "R". Therefore, the inorganic data and the oil and grease data presented by Accutest were 95% complete with all data considered usable and valid.

Atlantic Richfi	ield Company	Sample ID:	SP-114	SP-219	TRIP BLANK
Wellsville, NY		Lab Sample Id:	N89880-1/1F	N89880-2/2F	N89880-3
Validated Mon	nthly Groundwater Data	Source:	Accutest	Accutest	Accutest
February 2005	Sampling	SDG:	N89880	N89880	N89880
	Î	Matrix:	WATER	WATER	WATER
		Sampled:	2/2/2005	2/2/2005	2/2/2005
		Validated:	4/11/2005	4/11/2005	4/11/2005
	Compound	Units			
	VOEATHEES				
	3romodichloromethane	UG/L	1 U	1 U	1 U
1-	3romoform -	UG/L	1 U	1 U	1 U
	Bromomethane	UG/L	1 U	1 U	1 U
	Carbon tetrachloride	UG/L	1 U	1 U	1 U
	Chlorobenzene	UG/L	1 U	1 U	1 U
1	Chloroethane	UG/L	1 U	1 ប	1 U
	Chloroform	UG/L	ΙŪ	1 U	1 U
1	Chloromethane	UG/L	1 U	1 U	1 U
	Dibromochloromethane	UG/L	1 U	1 U	1 U
	,2-Dichlorobenzene	UG/L	1 U	1 U	1 U
	,3-Dichlorobenzene	UG/L	1 U	1 U	1 U
	,4-Dichlorobenzene	UG/L	1 U	1 U	1 U
	Dichlorodifluoromethane	UG/L	2 U	2 U	. 2 บ
	,1-Dichloroethane	UG/L	30.4	4.3	1 U
	,2-Dichloroethane	UG/L	1 U	1 U	1 U
	,1-Dichloroethene	UG/L	1 U	1 U	1 U
	cis-1,2-Dichloroethene	UG/L	62.7	8.1	1 Ü
	rans-1,2-Dichloroethene	UG/L	1.2	1 U	1 U
	,2-Dichloropropane	UG/L	1 U	1 U	1 U
	cis-1,3-Dichloropropene	UG/L	1 U	1 U	1 U
	rans-1,3-Dichloropropene	UG/L	1 U	1 U	1 U
	Methylene Chloride	UG/L	1 U	1 U	1 U
	,1,2,2-Tetrachloroethane	UG/L	1 U	1 U	1 U
	Tetrachloroethene	UG/L	1 U	1 U	1 U
	,1,1-Trichloroethane	UG/L	6.2	0.5 J	1 U
	,1,2-Trichloroethane	UG/L	1 U	1 U	1 U
	Frichloroethene	UG/L	1 U	1 U	1 U
	Frichlorofluoromethane	UG/L	2 U	2 U	2 U
	Vinyl chloride	UG/L	72.4	1.9 J	2 U
l L	Benzene	UG/L	86.8	7.6	1 U
	Foluene	UG/L	6.5	0.86 J	1 U
	Ethylbenzene	UG/L	11.2	0.89 J	1 U
	Kylenes (total) VETFAUS	UG/L	7.7	0.85 J	1 U
	Aluminum	MG/L	0.1 U	0.1 U	
I I	Arsenic	MG/L	0.0923	0.005 U	
l l	Chromium	MG/L	0.01 U	0.01 U	
I I	Copper	MG/L	0.025 U	0.025 U	
I I	ron	MG/L	45.5	0.242	
l l	_ead	MG/L	0.003 U	0.003 U	
	vickel	MG/L	0.04 U	0.04 U	
7440-66-6 Z	Zinc	MG/L	0.02 ป	0.02 U	
	ILITERED METALS				
l Lern	Aluminum-Filtered	MG/L	0.1 U	0.1 U	
1 122	Cyanide	MG/L		R	
	Oil and Grease	MG/L		5.1 U	

DATA USABILITY SUMMARY REPORT FOR MARCH 2005 MONTHLY COMPLIANCE MONITORING

FORMER SINCLAIR REFINERY SITE WELLSVILLE, NEW YORK

Prepared For:

Atlantic Richfield Company

102 Pickering Way – Suite 200 Exton, Pennsylvania 19341

Prepared By:

PARSONS

290 Elwood Davis Road, Suite 312 Liverpool, New York 13088 Phone: (315) 451-9560 Fax: (315) 451-9570

REVIEWED AND APPROVED BY:

Project Manager:	Man B	enbell	4/15/05
Technical Manager:	Marianne M	Kosciewics / Emm	Date 4/15/05
	U	0	Date

APRIL 2005

DATA USABILITY SUMMARY REPORT FOR MARCH 2005 MONTHLY COMPLIANCE MONITORING

ATLANTIC RICHFIELD COMPANY WELLSVILLE, NEW YORK

Two groundwater samples and one field QC trip blank were collected from the Atlantic Richfield Company site in Wellsville, New York on March 2, 2005. These samples were received by Accutest Laboratories (Accutest) within one day of collection on March 3, 2005. 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 1664. Analytical results from these project samples were validated by performing a Level C data validation and reviewed by Parsons 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 # N92126) was received by Parsons within 26 days of sample receipt at the laboratory, reviewed, and validated for custody documentation, holding times, surrogate recoveries, matrix spike/matrix spike duplicate (MS/MSD) recoveries, laboratory control sample (LCS) recoveries, laboratory method blank contamination, trip blank contamination, instrument calibrations, laboratory duplicate precision, quantitation limits, and data completeness. The laboratory sample data were reviewed and may be qualified with the following validation flags:

"U" - not detected at the value given,

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

"J" - estimated at the value given, and

"R" - unusable value.

The validated laboratory data were tabulated and are presented in the attached table.

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 (i.e., usable).

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 1664 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.

Atlantic Ric	hfield Company	Sample ID:	SP-114	SP-219	TRIP BLANK
Wellsville, N		Lab Sample Id:	N92126-1/1F	N92126-2/2F	N92126-3
Validated M	onthly Groundwater Data	Source:	Accutest	Accutest	Accutest
March 2005	Sampling	SDG:	N92126	N92126	N92126
1		Matrix:	WATER	WATER	WATER
		Sampled:	3/2/2005	3/2/2005	3/2/2005
		Validated:	4/13/2005	4/13/2005	4/13/2005
Casno	Compound	Units			
	VOFATORES PARTY TO				
75-27-4	Bromodichloromethane	UG/L	ן טו	ΙŪ	1 U
75-25-2	Bromoform	UG/L	1 U	1 U	1 Ü
74-84-9	Bromomethane	UG/L	1 U	1 U	1 U
56-24-5	Carbon tetrachloride	UG/L	1 U	1 U	1 U
108-90-7	Chlorobenzene	UG/L	0.57 J	1 U	1 U
75-00-4	Chloroethane	UG/L	ា ប	1 U	1 U
67-66-4	Chloroform	UG/L	1 U	1 U	1 U
74-87-4	Chloromethane	UG/L	1 U	1 U	1 U
124-48-1	Dibromochloromethane	UG/L	1 U	1 U	1 U
95-50-1	1,2-Dichlorobenzene	UG/L	1 U	1 U	1 U
541-73-1	1,3-Dichlorobenzene	UG/L	1 U	1 U	1 U
106-46-7	1,4-Dichlorobenzene	UG/L	1 U	ΙŪ	1 U
75-71-8	Dichlorodifluoromethane	UG/L	2 U	2 U	2 U
75-44-4	1,1-Dichloroethane	UG/L	14.4	1 U	1 U
107-06-2	1,2-Dichloroethane	UG/L	1 U	1 U	1 U
75-45-4	I,1-Dichloroethene	UG/L	1 U	1 U	1 U
156-59-2	cis-1,2-Dichloroethene	UG/L	61.6	1.1	1 U
156-60-5	trans-1,2-Dichloroethene	UG/L	0.57 J	ΙŪ	1 U
78-87-5	1,2-Dichloropropane	UG/L	1 U	1 U	1 U
10061-01-5	cis-1,3-Dichloropropene	UG/L	1 U	1 U	1 U
10061-02-6	trans-1,3-Dichloropropene	UG/L	1 U	1 U	1 U
75-09-2	Methylene Chloride	UG/L	1 U	1 U	1 U
79-44-5	1,1,2,2-Tetrachloroethane	UG/L	1 U	1 U	1 U
127-18-4	Tetrachloroethene	UG/L	1 U	1 U	1 U
71-55-6	1,1,1-Trichloroethane	UG/L	3	ΙŪ	1 U
79-00-5	1,1,2-Trichloroethane	UG/L	0.38 J	ιυ	1 U
79-01-6	Trichloroethene	UG/L	1.8	1 U	1 U
75-69-4	Trichlorofluoromethane	UG/L	2 U	2 U	2 Ü
75-01-4	Vinyl chloride	UG/L	27.1	2 U	2 U
71 -44- 2	Benzene	UG/L	61.4	0.55 J	1 U
108-88-4	Toluene	UG/L	4.2	1 U	1 U
100-41-4	Ethylbenzene	UG/L	5.3	1 U	I U
1440-20-7	Xylenes (total)	UG/L	5.8	1 U	1 U
7429-90-5	Aluminum	MG/L	0.1 U	0.1 U	
7440-48-2	Arsenic	MG/L	0.0867	0.005 U	
7440-47-4	Chromium	MG/L	0.01 U	0.01 U	
7440-50-8	Соррег	MG/L	0.025 U	0.025 U	
7449-89-6	Iron	MG/L	41.7	0.288	
7449-92-1	Lead	MG/L	0.0031 U	0.0035	
7440-02-0	Nickel	MG/L	0.04 U	0.04 U	
7440-66-6	Zinc	MG/L	0.02 U	0.02 U	
	HILIHEREIDENEHAUS (* 1919)				
7429-90-5	Aluminum-Filtered	MG/L	0.1 U	0.1 U	
	OTHER WAS A STATE OF THE STATE				
	Cyanide	MG/L		0.01 U	
	Oil and Grease	MG/L		5.1 U	
	pH (Field)	SU	6.47	7.59	

DATA USABILITY SUMMARY REPORT FOR APRIL 2005 MONTHLY COMPLIANCE MONITORING

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

Two groundwater samples and one field QC trip blank were collected from the Former Sinclair Refinery Site in Wellsville, New York on April 5, 2005; and three groundwater samples were collected from this site on April 28, 2005. These samples were received by Accutest Laboratories (Accutest) within one day of collection on April 6, 2005 and April 29, 2005, respectively. 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; oil and grease using the USEPA SW-846 method 1664; total dissolved solids (TDS) using the USEPA method 160.2. 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 3.6-5°C. All samples were received intact and in good condition at Accutest.

The analytical data packages generated by Accutest (Accutest Job # N95223 and #N97476) were 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, laboratory duplicate precision, quantitation limits, and data completeness. The laboratory sample data were reviewed and may be qualified with the following validation flags:

"U" - not detected at the value given,

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

"J" - estimated at the value given, and

"R" - unusable value.

The validated laboratory data were tabulated and are presented in the attached table with the "Valid Result" and "Valid Code" columns representing changes in laboratory data resulting from data validation. Therefore, the nondetected cyanide laboratory result for sample SP219-0405 during the April 5, 2005 sampling event was considered estimated and qualified "UJ" in the "Valid Code" column as a result from data validation; and the nondetected bromomethane, chloroethane, trichlorofluromethane, carbon tetrachloride, and 1,2-dichloroethane laboratory results for samples SP219-042805 and PRE-IF0405 during the April 28, 2005 sampling event were considered estimated and qualified "UJ" in the "Valid Code" column as a result from data validation.

VOLATILE ORGANIC ANALYSIS

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

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

These items were considered compliant and acceptable in accordance with the validation protocols with the exception of LCS recoveries and continuing calibrations. All LCS recoveries were within QC acceptance limits with the exception of the high LCS recovery for trichloroethene (130%R; QC limit 80-123%R) associated with samples SP219-0405 and TRIP BLANK (4/5/05); and the high LCS recovery for 1,2-dichloroethane (135%R; QC limit 69-133%R) associated with sample SP114-0405. Therefore, positive results for these noncompliant compounds were considered estimated, possibly biased high, and qualified "J" for the affected samples.

All continuing calibration compounds were considered compliant with relative response factors (RRFs) greater than 0.05 and percent differences (%Ds) within ±25% with the exception of bromomethane (-31.1%D), chloroethane (-29.7%D), trichlorofluoromethane (-31.3%D), carbon tetrachloride (-35.8%D), and 1,2-dichloroethane (-34.6%D) in the continuing calibration associated with samples SP219-042805 and PRE-IF0405. Therefore, results for these noncompliant compounds were considered estimated with positive results qualified "UJ".

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, oil and grease method 1664, TDS method 160.1, and TSS method 160.2 analyses:

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

These items were considered compliant and acceptable in accordance with the validation protocols with the exception of MS recoveries and LCS recoveries. All MS recoveries were within the 75-125%R QC acceptance limit with the exception of the low cyanide recovery (48.2%R) associated with sample SP219-0405. Therefore, the cyanide result for this sample which was nondetect, was considered estimated, possibly biased low, and qualified "UJ".

All LCS recoveries were within QC acceptance limits with the exception of the high cyanide recovery (115.6%R; QC limit 90-110%R) associated with sample SP219-0405. Validation qualification was not warranted for this sample due to this noncompliance since cyanide was not detected.

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

Analyte	was to was to was the para datapart. Validation pare partified Locator Kebut Code RL Units Fall Resultand Code	and mount	The second second	THE RESERVE OF THE PERSON OF T	The second secon		Contract the second sec			
H		150.1	N95223-1	05-Apr-05	23-May-05	SP114	0405	6,58	76	
Ethylbenzene	100-41-4	EPA 624	N95223-1	05-Apr-05	23-May-05	SP114	0405	5.5	1 ug/l	
cis-1,3-Dichloropropene	10061-01-5 EPA 624	EPA 624	N95223-1	05-Apr-05	23-May-05	SP114	0405	<u></u>	1 ug/I	
trans-1,3-Dichloropropene	10061-02-6 EPA 624	EPA 624	N95223-1	05-Apr-05	23-May-05	SP114	0405	<u>ت</u> 0	1 ug/l	
1,4-Dichlorobenzene	106-46-7	EPA 624	N95223-1	05-Apr-05	23-May-05	SP114	0405	5	1 ug/l	
1,2-Dichloroethane	107-06-2	EPA 624	N95223-1	05-Apr-05	23-May-05	SP114	0405	 0	1 ug/l	
Toluene	108-88-3	EPA 624	N95223-1	05-Apr-05	23-May-05	SP114	0405	3.8	1/6n	
	108-90-7	EPA 624	N95223-1	05-Apr-05	23-May-05	SP114	0405	ņ	1 ug/l	
Dibromochloromethane	124-48-1	EPA 624	N95223-1	05-Apr-05	23-May-05	SP114	0405	D	1 ug/I	
Tetrachloroethene	127-18-4	EPA 624	N95223-1	05-Apr-05	23-May-05	SP114	0405	٥٥	1 ug/l	
Xylenes (total)	1330-20-7	EPA 624	N95223-1	05-Apr-05	23-May-05	SP114	0405	5.1	1 ug/I	
cis-1,2-Dichloroethene	156-59-2	EPA 624	N95223-1	05-Apr-05	23-May-05	SP114	0405	32.7	1 ug/l	
trans-1,2-Dichloroethene	156-60-5	EPA 624	N95223-1	05-Apr-05	23-May-05	SP114	0405	٥	1 ug/l	
1,3-Dichlorobenzene	541-73-1	EPA 624	N95223-1	05-Apr-05	23-May-05	SP114	0405	<u>⊃</u>	1 ug/l	
Carbon tetrachloride	56-23-5	EPA 624	N95223-1	05-Apr-05	23-May-05	SP114	0405	٥	1 ug/l	
Chloroform	67-66-3	EPA 624	N95223-1	05-Apr-05	23-May-05	SP114	0405	_ 0	1 ug/l	
	71-43-2	EPA 624	N95223-1	05-Apr-05	23-May-05	SP114	0405	69.1	1 ug/l	
1,1,1-Trichloroethane	71-55-6	EPA 624	N95223-1	05-Apr-05	23-May-05	SP114	0405	4.6	1 ug/I	
Methyl bromide	74-83-9	EPA 624	N95223-1	05-Apr-05	23-May-05	SP114	0405	0	1 ug/I	
Chloromethane	74-87-3	EPA 624	N95223-1	05-Apr-05	23-May-05	SP114	0405) O	1 ug/l	
Chloroethane	75-00-3	EPA 624	N95223-1	05-Apr-05	23-May-05	SP114	0405	Ωo	1 ug/l	
Vinvi chloride	75-01-4	EPA 624	N95223-1	05-Apr-05	23-Mav-05	SP114	0405	1 00	70	

Analyte	Casno	Method	Labsampid	Date Sampled	Labsampid [Data Sampled] Validation Date Sample Location Result Code Rt. Units (alid Resulfalid Code	Sample	ocation	Result Cod	8	Units Valid Re	su/alid Code	
Methylene chloride	75-09-2	EPA 624	N95223-1	05-Apr-05	23-May-05	SP114	0405	<u></u> 0		l/gn		
Bromoform	75-25-2	EPA 624	N95223-1	05-Apr-05	23-May-05	SP114	0405	<u> </u>	-	l/gu		
Bromodichloromethane	75-27-4	EPA 624	N95223-1	05-Apr-05	23-May-05	SP114	0405	n o	-	/Bn		
1,1-Dichloroethane	75-34-3	EPA 624	N95223-1	05-Apr-05	23-May-05	SP114	0405	15.5		l/Bn		
1,1-Dichloroethene	75-35-4	EPA 624	N95223-1	05-Apr-05	23-May-05	SP114	0405	٥	-	ng/l		
Trichlorofluoromethane	75-69-4	EPA 624	N95223-1	05-Apr-05	23-May-05	SP114	0405	<u>n</u>	N	l/bn		
Dichlorodifluoromethane	75-71-8	EPA 624	N95223-1	05-Apr-05	23-May-05	SP114	0405	ე 0	ณ	l/gn		
1,2-Dichloropropane	78-87-5	EPA 624	N95223-1	05-Apr-05	23-May-05	SP114	0405	Πo		l/gn		
1,1,2-Trichloroethane	79-00-5	EPA 624	N95223-1	05-Apr-05	23-May-05	SP114	0405	n o		l/gu		
Trichloroethene	79-01-6	EPA 624	N95223-1	05-Apr-05	23-May-05	SP114	0405	1.8	-	l/gn		
1,1,2,2-Tetrachloroethane	79-34-5	EPA 624	N95223-1	05-Apr-05	23-May-05	SP114	0405	٥٥		l/Gn		
1,2-Dichlorobenzene	95-50-1	EPA 624	N95223-1	05-Apr-05	23-May-05	SP114	0405	П о	-	l/gn		
Aluminum, Total	7429-90-5	200.7	N95223-1	05-Apr-05	23-May-05	SP114	0405	O O	100			
Iron, Total	7439-89-6	200.7	N95223-1	05-Apr-05	23-May-05	SP114	0405	50200	5	ng/l		
Lead, Total	7439-92-1	200.7	N95223-1	05-Apr-05	23-May-05	SP114	0405	٥	ю	ng/l		
Nickel, Total	7440-02-0	200.7	N95223-1	05-Apr-05	23-May-05	SP114	0405) 0	4	ng/l		
Arsenic, Total	7440-38-2	200.7	N95223-1	05-Apr-05	23-May-05	SP114	0405	87.3	Ċ.	ng/l		
Chromium, Total	7440-47-3 200.7	200.7	N95223-1	05-Apr-05	23-May-05	SP114	0405	<u>،</u>	9	ng/l		
Copper, Total	7440-50-8 200.7	200.7	N95223-1	05-Apr-05	23-May-05	SP114	0405	<u>.</u>	22	ng/J		
Zinc, Total	7440-66-6 200.7	200.7	N95223-1	05-Apr-05	23-May-05	SP114	0405	۵۵	8	/bn		

H		150.1	N95223-2	05-Apr-05	23-May-05	SP219	0405	7.42	3		
Oil And Grease		1664A	N95223-2	05-Apr-05	23-May-05	SP219	0405) O	5.1 mg/l		
Cyanide	57-12-5	335.3	N95223-2	05-Apr-05	23-May-05	SP219	0405	Πo	0 mg/l	J	
Ethylbenzene	100-41-4	EPA 624	N95223-2	05-Apr-05	23-May-05	SP219	0405	0.81 J	1 ug/l		
cis-1,3-Dichloropropene	10061-01-5 EPA 624	EPA 624	N95223-2	05-Apr-05	23-May-05	SP219	0405	ე 0	1 ug/l		
trans-1,3-Dichloropropene	10061-02-6 EPA 624	EPA 624	N95223-2	05-Apr-05	23-May-05	SP219	0405	n o	1 ug/l		
1,4-Dichlorobenzene	106-46-7	EPA 624	N95223-2	05-Apr-05	23-May-05	SP219	0405	n o	1 ug/l		
1,2-Dichloroethane	107-06-2	EPA 624	N95223-2	05-Apr-05	23-May-05	SP219	0405	n 0	1 ug/l		
Toluene	108-88-3	EPA 624	N95223-2	05-Apr-05	23-May-05	SP219	0405	-	1 ug/l		
Chlorobenzene	108-90-7	EPA 624	N95223-2	05-Apr-05	23-May-05	SP219	0405	<u>∩</u>	1 ug/l		
Dibromochloromethane		EPA 624	N95223-2	05-Apr-05	23-May-05	SP219	0405	 0	1 ug/		
Tetrachloroethene	127-18-4	EPA 624	N95223-2	05-Apr-05	23-May-05	SP219	0405	٥	1 ug/l		
Xylenes (total)	1330-20-7	EPA 624	N95223-2	05-Apr-05	23-May-05	SP219	0405	ט.81 ל	1 ug/l		
cls-1,2-Dichloroethene	156-59-2	EPA 624	N95223-2	05-Apr-05	23-May-05	SP219	0405	8.0	1 ug/l		
trans-1,2-Dichloroethene	156-60-5	EPA 624	N95223-2	05-Apr-05	23-May-05	SP219	0405	<u>0</u>	1 ug/l		
1,3-Dichlorobenzene	541-73-1	EPA 624	N95223-2	05-Apr-05	23-May-05	SP219	0405	<u>ر</u> ە	1 ug/l		
Carbon tetrachloride	56-23-5	EPA 624	N95223-2	05-Apr-05	23-May-05	SP219	0405	<u>ح</u> 0	1 ug/l		
Chloroform	67-66-3	EPA 624	N95223-2	05-Apr-05	23-May-05	SP219	0405	٥	1 ug/l		
Benzene	71-43-2	EPA 624	N95223-2	05-Apr-05	23-May-05	SP219	0405	14.5	1 ug/l		
1,1,1-Trichloroethane	71-55-6	EPA 624	N95223-2	05-Apr-05	23-May-05	SP219	0405	1.2	1 ug/l		
Methyl bromide	74-83-9	EPA 624	N95223-2	05-Apr-05	23-May-05	SP219	0405	٥	1 ug/l		
Chloromethane	74-87-3	EPA 624	N95223-2	05-Apr-05	23-May-05	SP219	0405	n o	1 ug/l		
	200	EDA 624	NO5222_2	05.405.05	23-May-05	000	7040	-	=	•	

Analyte	casuo	Method	Labsamold	Date Sempled	Validation Date	Sample	Location	Result Code	18	casno Mathod Labsampid Date Sampled Validation Date Sample Location Result Code RL Units / Alid Resul/alid Code
Vinyl chloride	75-01-4	EPA 624	N95223-2	05-Apr-05	23-May-05	SP219	0405	6.4	N	l/ān
Methylene chloride	75-09-2	EPA 624	N95223-2	05-Apr-05	23-May-05	SP219	0405	_ •		l/ân
Вготобогт	75-25-2	EPA 624	N95223-2	05-Apr-05	23-May-05	SP219	0405	Ωo	-	l/bn
Bromodichloromethane	75-27-4	EPA 624	N95223-2	05-Apr-05	23-May-05	SP219	0405	∩ •	-	l/Bn
1,1-Dichloroethane	75-34-3	EPA 624	N95223-2	05-Apr-05	23-May-05	SP219	0405	5.8	-	l/ān
1,1-Dichloroethene	75-35-4	EPA 624	N95223-2	05-Apr-05	23-May-05	SP219	0405	٥	÷	l/gu
Trichlorofluoromethane	75-69-4	EPA 624	N95223-2	05-Apr-05	23-May-05	SP219	0405	ם	7	l/ôn
Dichlorodifluoromethane	75-71-8	EPA 624	N95223-2	05-Apr-05	23-May-05	SP219	0405	∩ •	N	l/ōn
1,2-Dichloropropane	78-87-5	EPA 624	N95223-2	05-Apr-05	23-May-05	SP219	0405	 0		l/ôn
1,1,2-Trichloroethane	79-00-5	EPA 624	N95223-2	05-Apr-05	23-May-05	SP219	0405	<u>∩</u>	-	l/ôn
Trichloroethene	79-01-6	EPA 624	N95223-2	05-Apr-05	23-May-05	SP219	0405	0.31 J		l/ôn
1,1,2,2-Tetrachloroethane 79-34-5	79-34-5	EPA 624	N95223-2	05-Apr-05	23-May-05	SP219	0405	O O	Ŧ	l/Bn
1,2-Dichlorobenzene	95-50-1	EPA 624	N95223-2	05-Apr-05	23-May-05	SP219	0405	0	<u>-</u> -	l/Bn
Aluminum, Total	7429-90-5	200.7	N95223-2	05-Apr-05	23-May-05	SP219	0405	Ωo	100	lgu
Iron, Total	7439-89-6	200.7	N95223-2	05-Apr-05	23-May-05	SP219	0405	329	9	//gn
Lead, Total	7439-92-1	200.7	N95223-2	05-Apr-05	23-May-05	SP219	0405	ΩO	ю 	/bn
Nickel, Total	7440-02-0	200.7	N95223-2	05-Apr-05	23-May-05	SP219	0405	Ωo	유	/bn
Arsenic, Total	7440-38-2	200.7	N95223-2	05-Apr-05	23-May-05	SP219	0405	0.0		l/ôn
Chromium, Total	7440-47-3	200.7	N95223-2	05-Apr-05	23-May-05	SP219	0405	Ω°	5	l/gn
Copper, Total	7440-50-8	200.7	N95223-2	05-Apr-05	23-May-05	SP219	0405	O o	22	/bn
Zinc, Total	7440-66-6	200.7	N95223-2	05-Apr-05	23-May-05	SP219	0405	O 0	20	l/gn

									Kesuti Code A. Linits/elid Kesukelid Code	
Ethylbenzene	100-41-4	EPA 624	N95223-3	05-Apr-05	23-May-05	Ä	BLANK	n •	1 ug/l	
cis-1,3-Dichloropropene	: ښ	EPA 624	N95223-3	05-Apr-05	23-May-05	Ż	HAIP BLANK	n o	1 ug/l	
trans-1,3-Dichloropropene	10061-02-6 EPA 624	EPA 624	N95223-3	05-Apr-05	23-May-05	Š	TRIP BLANK	0	1 ug/l	
,4-Dichlorobenzene	106-46-7	EPA 624		05-Apr-05	23-May-05	Š	HAIP MANK	n o	1 ug/l	
1,2-Dichloroethane	107-06-2	EPA 624		05-Apr-05	23-May-05	Š	TRIP BLANK	٥	1 ug/l	
Toluene	108-88-3	EPA 624		05-Apr-05	23-May-05	UNK	TRIP	 	1 ug/l	
Chlorobenzene	108-90-7	EPA 624		05-Apr-05	23-May-05	Š	HAIP BLANK	n o	/6n +	
Dibromochloromethane	124-48-1	EPA 624		05-Apr-05	23-May-05	Š	HAIP BLANK	٥	1 ug/l	
Tetrachloroethene	127-18-4	EPA 624		05-Apr-05	23-May-05	NS	TRIP BLANK	ם	1 ug/l	
Xylenes (total)	_	EPA 624		05-Apr-05	23-May-05	Š	TRIP BLANK	n o	1 ug/l	
cis-1,2-Dichlaroethene				05-Apr-05	23-May-05	Š	HAIP BLANK	٥	1 ug/l	
trans-1,2-Dichloroethene	156-60-5			05-Apr-05	23-May-05	Š	TRIP BLANK	n o	1 ug/l	
,3-Dichlorobenzene	541-73-1	EPA 624		05-Apr-05	23-May-05	Š	TRIP BLANK	מ	1, gu	
Carbon tetrachloride	56-23-5	EPA 624		05-Apr-05	23-May-05	Š	HAIP BLANK	٥	1 ug/l	
Chloroform	67-66-3	EPA 624	:	05-Apr-05	23-May-05	Ä	TAIP PLANK	٥.	1 ug/l	
Benzene	71-43-2	EPA 624		05-Apr-05	23-May-05	SN	TRIP BLANK	٥	1 ug/l	
огоефапе	71-55-6	EPA 624	į.,	05-Apr-05	23-May-05	SK	TRIP BLANK	Π ο	1 ug/l	
	74-83-9	EPA 624		05-Apr-05	23-May-05	Ž	TRIP BLANK	n o	1 ug/	
Chloromethane	74-87-3	EPA 624	N95223-3	05-Apr-05	23-May-05	Š	TRIP BLANK	0 0	1 ug/l	
Chloroethane	75-00-3	EPA 624		05-Apr-05	23-May-05	Š	TRIP BLANK	∩ •	1 ug/l	
Vinyl chloride	75-01-4	EPA 624		05-Apr-05	23-May-05	SK	HRIP BLANK	٦	2 ug/l	
-				L d L	;		TRIP			

Analyte	Casho						TRIP		, 1		5 5
Bromoform	75-25-2	EPA 624	EPA 624 N95223-3	05-Apr-05	23-May-05	Š	BLANK	<u> </u>		/bn	
:		1		1			TRIP				
Bromodichloromethane	/5-2/-4	EPA 624	N95223-3	05-Apr-05	23-May-05	Š	BLANK) 0	-		
	••••		•••••				TRIP	•••••			
1,1-Dichloroethane	75-34-3	EPA 624	EPA 624 N95223-3	05-Apr-05	23-May-05	ž	BLANK	<u>)</u>		l/Bn	
Oichlorach	75 25 4	7 C S V C L		A 0E	10M) -	TRIP		,		
	1000	+70 4 1	0-07706N	en-ld¥-en	ZO-IVIBY-UD	5	DAIN	2			
Trichlorofluoromethane	75-69-4	EPA 624	N95223-3	05-Apr-05	23-May-05	Š	RAR ANK	0	N		
		***************************************	•				TRIP				
Dichlorodifluoromethane	75-71-8	EPA 624	EPA 624 N95223-3	05-Apr-05	23-May-05	N	BLANK	0.0	ĸ	ug/l	
**************************************	· · · · · · · · · · · · · · · · · · ·		****** ****** ******* ******** ********	************************			TRIP				
1,2-Dichloropropane	78-87-5	EPA 624	EPA 624 N95223-3	05-Apr-05	23-May-05	Š	BLANK	<u></u>	-	l/gu	
			••••				TRIP			***************************************	
1,1,2-Trichloroethane	79-00-5	EPA 624	N95223-3	05-Apr-05	23-May-05	ž	BLANK	0	-	l/gu	
		-4-11					TRIP	; ; ; ; ; ; ; ;			
Trichloroethene	79-01-6	EPA 624	N95223-3	05-Apr-05	23-May-05	ž	BLANK	<u>)</u> 0	·	ug/l	
	••••		•				TRIP	· · · · · · · · · · · · · · · · · · ·			
1,1,2,2-Tetrachloroethane	79-34-5	EPA 624	EPA 624 N95223-3	05-Apr-05	23-May-05	ž	BLANK	0	<u>-</u>		
				· · · · · · · · · · · · · · · · · · ·	*****************************		TRIP				
1,2-Dichlorobenzene	95-50-1	EPA 624	EPA 624 N95223-3	05-Apr-05	23-May-05	Š	BLANK	Ü	-	l/an	
Aluminum, Dissolved	7429-90-5	200.7	N95223-1F	05-Apr-05	23-May-05	SP114	0405	Ü	100 100	ng/l	
Aluminum Discolved	7420 00 5	7 002	NOS222 2E	מייי א מיי	22 Man. 05	0,000	1070	-	000		

Analyte	casno	Method	Labsampid	Date Sampled	Date Sampled Validation Date	Sample	Location	Result Code RL	RELIG	Units Valid Result	Valid Code
Ethylbenzene	100-41-4		N97476-1	28-Apr-05	23-May-05	SP114 04	042805	13.7	, E	1/E	
cis-1,3-Dichloropropene 10061-01-5	10061-01-5	: :	N97476-1	28-Apr-05	. 23-May-05	SP114 04	042805	Πio	<u> </u>	1/8	
trans-1,3-Dichloropropene	10061-02-6		N97478-1	28-Apr-05	23-May-05	SP114 04	042805	O.O	, T	1/8	
1,4-Dichlorobenzene	106-46-7	. ;	N97476-1	28-Apr-05	23-May-05	SP114 04	042805	0:0	Ť	ug/l	
1,2-Dichloroethane	107-06-2	:	N97476-1	28-Apr-05	23-May-05	SP114 04	042805	<u>⊓</u> .o	ŏ	l/5n	
į	108-88-3	EPA 624	N97478-1	28-Apr-05	23-May-05	SP114 04	042805	6.9	Ť	ng/l	
Chlorobenzene	108-90-7	EPA 624	N97476-1	28-Apr-05	23-May-05	SP114 04	042805	n io	7	l/6n	
Dibromochloromethane	124-48-1	EPA 624	N97476-1	28-Apr-05	23-May-05	SP114 04	042805	Πo	'n	l/On	
		EPA 624	N97476-1	28-Apr-05	23-May-05	SP114 04	042805	ņ	ň	ng/l	
		EPA 624	N97476-1	28-Apr-05	23-May-05	SP114: 04	042805	6.4	, -	ng/l	
	158-59-2	EPA 624	N97476-1	28-Apr-05	23-May-05	SP114 04	042805	92.2	<u>5</u>	ug/i	
trans-1,2-Dichloroethene	158-80-5	EPA 624	N97476-1	28-Apr-05	23-May-05	SP114 : 04	042805	1.3	÷	γδη	
	541-73-1	EPA 624	N97476-1	28-Apr-05	23-May-06	SP114 04	042805	□.0	-	ng/l	**************************************
Carbon tetrachloride	56-23-5	EPA 624	N97476-1	28-Apr-05	23-May-05	SP114:04	042805	∏; 0	<u> </u>	Mg/l	
Chloroform	67-66-3	EPA 624	N97478-1	28-Apr-05	23-May-05	SP114 : 04	042805	<u>,</u>	-	ng/l	
Вепzепе	71-43-2	EPA 624	N97476-1	28-Apr-05	23-May-05	SP114 04	042805	86.8	5	l/Bn	
1,1,1-Trichloroethane	71-55-6	EPA 624	N97476-1	28-Apr-05	23-May-05	SP114 04	042805	œ	5	ng/l	
Methyl bromide	74-83-9	EPA 624	N97476-1	28-Apr-05	23-May-05	SP114: 04	042805	ņ	Jan I	9/4	
Chloromethane	74-87-3	EPA 624	N97478-1	28-Apr-05	23-May-05		042805	Ö	5 —	ng/l	
Chloroethane	75-00-3	EPA 624	N97476-1	28-Apr-05	23-May-05	SP114: 04	042805	0:0	<u></u>	ng/l	
Vinyl chloride	75-01-4	EPA 624	N97476-1	28-Apr-05	23-May-05	SP114 : 04	042805	79.3	2	/Bn	******
Methylene chloride	75-09-2	EPA 624	N97476-1	28-Apr-05	23-May-05	SP114 04	042805	٥٥	=	ug/l	
Вготобот	76-25-2	EPA 624	N97476-1	28-Apr-05	23-May-05		042805	7.0	Ŧ	ng/l	
Bromodichloromethane	75-27-4	EPA 624	N97476-1	28-Apr-05	23-May-05	SP114 04	042805	ÜÖ	<u> </u>	ng/l	
1,1-Dichloroethane	75-34-3	EPA 624	N97476-1	28-Apr-05	23-May-05	SP114 04	042805	26.9	=	ng/l	
1,1-Dichloroethene	75-35-4	EPA 624	N97476-1	28-Apr-05	23-May-05	SP114 04	042805	0.55.J) ng	. //6	
Trichlorofluoromethane	75-69-4	EPA 624	N97476-1	28-Apr-05	23-May-05		042805	ΩÖ	2.	ng/l	
Dichlorodifluoromethane	75-71-8	EPA 624	N97478-1	28-Apr-05	23-May-05	SP114: 04	042805	ΩO	ïi Z:	ng/l	
1,2-Dichloropropane	78-87-5	EPA 624	. N97478-1	28-Apr-05	23-May-05	SP114: 04	12805	0.0	<u>=</u>	ng/l	.,,,
1,1,2-Trichloroethane	79-00-5	EPA 624	N97476-1	28-Apr-05	23-May-05	SP114 : 04	042805	0:0	Ë	ng/l	
Trichloroethene	79-01-6	EPA 624	N97476-1	28-Apr-05	23-May-05	SP114 04	042805	2.1	7	[/Bn	
1,1,2,2-Tetrachloroethane 79-34-	79-34-6	EPA 624	N97476-1	28-Apr-05	23-May-05	SP114 04	042805	0.0	7	l/a	
1,2-Dichlorobenzene 95-50-	95-50-1	EPA 624	N97478-1	28-Apr-05	23-May-05	SP114 04	12805	ΩÖ	7	D/J	

Ethylbenzene 100-41-4 cis-1,3-Dichloropropene 10081-07-1 trans-1,3-Dichloropropene 10061-02-1 1,4-Dichloroeltrane 107-08-2 Tolusne 108-88-3 Chlorobenzene 108-98-3 Olbromochloromethane 124-48-1 Tetrachloroeltene 127-18-4	ဟု ထု	EPA 624 FPA 624	N97476-2	28-Apr-05	23-May-05	SP219	042805	n o	1 ug/		
cis-1,3-Dichloropropene 10081 trans-1,3-Dichloropropene 10084 1,4-Dichlorostrane 107-00 1,2-Dichlorostrane 107-00 Toluene 108-8 Chlorobenzene 108-6 Dibromochloromethane 124-4 Tetrachloroethene 127-13	ဟု Φ	•••	. 0 000000						-		
trans-1,3-Dichloropropene 1064 1,4-Dichlorobenzene 108-46 1,2-Dichloroethane 107-0 Toluene 108-8 Chlorobenzene 108-6 Dibromochloromethane 124-4 Tetrachloroethene 127-15	φ	٠.	N9/4/D-Z	28-Apr-05	23-May-05	SP219:	042805	D.:0	Bn ::		
ane ane methane		•••••	N97476-2	28-Apr-05	23-May-05	SP219	042805	Πio	1: ug/l		•••••
ane nethane sne		EPA 624	N97476-2	28-Apr-05	23-May-05	SP219	042805	∩:0	1: ug/		
nethane sne		EPA 624	N97478-2	28-Apr-05	23-May-05	SP219	042805	∩.o	1: ug/	3	,,,,,
nethane Ine		EPA 624	N97478-2	28-Apr-05	23-May-05	SP219	042805	∩.o	1. ug/		
	••••	•••••	N97476-2	28-Apr-05	23-May-05	SP219	042805	n o	1/6n -	**************************************	····
-•••		EPA 624	N97476-2	28-Apr-05	23-May-05	SP219	042805) O	1: ug/		
	****		N97476-2	28-Apr-05	23-May-05	SP219	042805	ņ	1.69		
Xylenes (total) 1330-20-			N97476-2	28-Apr-05	23-May-05	SP219	042805	סית	1,69		
cis-1,2-Dichloraethene 156-59-2		• • • • • •	N97476-2	28-Apr-05	23-May-05	SP219	042805	1.8	1'gu		
trans-1,2-Dichloroethene :156-60-5		EPA 624	N97476-2	28-Apr-05	23-May-05	SP219	042805	n.o	1,00/		
•	•••	EPA 624	N97476-2	28-Apr-05	23-May-05	SP219	042805	Πö	1, ug/		
Carbon tetrachloride 56-23-5			N97476-2	28-Apr-05	23-May-05	SP219	042805) 0	1. 190	3	
			N97476-2	28-Apr-05	23-May-05	SP219	042805	ņ	7 1	**************************************	
Benzana 71-43-2			N97476-2	28-Apr-05	23-May-05	SP219	042805	0.87.J	- E		
1,1,1-Trichloroethane 71-55-8		EPA 624	N97476-2	28-Apr-05	23-May-05	SP219	042805	0.0	1/Bn 1		
Methyl bromide 74-83-9			N97476-2	28-Apr-05	23-May-05	SP219	042805	ÜÜ	1, ug/1	7	
Chloromethane 74-87-3	••••		N97476-2	28-Apr-05	23-May-05	SP219	042805	Ωio	1, ug/1	,	
Chloroethane 75-00-3			N97476-2	28-Apr-05	23-May-05	SP219	042805	Ωio	1; ug/l	3	
Vinyl chloride 75-01-4	••••		N97476-2	28-Apr-05	23-May-05	SP219	042805	O:O	2: ug/l		
Methylene chloride 75-09-2			N97476-2	28-Apr-05	23-May-05	SP219	042805	ÜÖ	1: ug/l		
Bromoform 75-25-2			N97476-2	28-Apr-05	23-May-05	SP219	042805	n o	1 ug/		
Bromodichloromethane 75-27-4			N97476-2	28-Apr-05	23-May-05	SP219	042805	n o	1: ug/		
1,1-Dichloroethane 75-34-3	• • • • • • • • • • • • • • • • • • • •	EPA 624	N97476-2	28-Apr-05	23-May-05	SP219	042805	O.O	1: ug/l		••••
1,1-Dichloroethene 75-35-4		EPA 624	N97476-2	28-Apr-05	23-May-05	SP219	042805	ე 0	1; ug/		
Trichlorofluoromethane 75-89-4	••••		N97476-2	28-Apr-05	23-May-05	SP219	042805	n:o	2: ug/l	3	
Dichlorodifluoromethane 75-71-8		EPA 624	N97476-2	28-Apr-05	23-May-05	SP219	042805	Π.o	: 2; ug/l		
1,2-Dichloropropane 78-87-5	••••	• • • • •	N97476-2	28-Apr-05	23-May-05	SP219	042805	ე <u>.</u> 0	1; ug/l		
1,1,2-Trichloroethane 79-00-5	••••	EPA 624	N97476-2	28-Apr-05	23-May-05	SP219	042805	no	- n		
Trichloroethene 79-01-6		EPA 624	N97476-2	28-Apr-05	23-May-05	SP219	042805	מַּס	1; ug/l		
1,1,2,2-Tetrachloroethane 79-34-5		EPA 624	N97476-2	28-Apr-05	23-May-05	SP219	042805	٥٥	1,0g/		
1,2-Dichlorobenzene 95-50-1	<u>.</u>	EPA 624	N97476-2	28-Apr-05	23-May-05	SP219	042805	ΩÖ	7. ug/		

Method Labsampid Date:		Date Sampled	Validation Date	Sample	(E)	Result Code	RL Unite	its Valid Result Valid Code	Valid Code
NO7478 9	4-07 1-07	3 6	co-kew-cz	<u> </u>	170405	426	Ē	, i	****
N8/4/0-3	20-Apr	9 6	Z3-May-U5	뷮	F0405		Ĕ	J/I	
	28-Apr-	2 2	23-May-05	77.4	F0405) <u> </u>) In I		
N97476-3	28-Apr-(35	23-May-05	PRE	IF0405	0.0	A 1		
N97476-3	28-Apr-C	υ Ω	23-May-05	PRE	IF0405	n o	1.00	-	
N97476-3	28-Apr-(Ю	23-May-05	PRE	IF0405	n o	/Bn :-	7	3
N97476-3	28-Apr-0	ω	. 23-May-05	PRE	IF0405	0.28:J	in it		
N97476-3	28-Apr-€	ıΩ	23-May-05	PRE	JF0405	ΩO	1: ug		
N97476-3	28-Apr-0		23-May-05	띪	JF0405	O O		V	
N97476-3	28-Apr-0		23-May-05	띪	1F0405	0:0	1. up	V	
N97476-3	28-Apr-06		23-May-05	PRE	F0405	Ωo	Ju L		
N97476-3	28-Apr-06		23-May-05	PRE	IF0405	1.7	1 10		
N97476-3	28-Apr-06		23-May-05	PRE	IF0405	n o	1 40	W.	
N97476-3	28-Apr-0		23-May-05	PRE	IF0405	0:0	н Н	5	
N97476-3	28-Apr-0		23-May-05	뿚	IF0405	ΩÖ	1 10		3
N97476-3	28-Apr-05		23-May-05	뿚	F0405	n o	- -	V	
N97476-3	28-Apr-0		23-May-05	PRE	1F0405	0.95.J	Ji ug	W.	
EPA 624 N97476-3 28-Apr-00	28-Apr-0		23-May-05	PRE	IF0405	ΠO	1; ug/l		
N97476-3	28-Apr-0		23-May-05	PRE	IF0405	O:0	1: ug	V	3
N97476-3	28-Apr-0		Z3-May-05	띪	IF0405	∩.o	1. ug		
N97478-3	28-Apr-0	<u>س</u>	23-May-05	뿚	IF0405	0.0	1: ug		3
N97478-3	28-Apr-0		23-May-05	띪	IF0405	∩.o	2 <u>;</u> ug		
N97476-3	28-Apr-00		23-May-05	띪	IF0405	⊃ o	1: ug/		
N97476-3	28-Apr-05		23-May-05	띪	IF0405	O:O	1: ug		
N97478-3	28-Apr-05		23-May-05	絽	IF0405	0.0	1: ug/	_	
	28-Apr-05		23-May-05	잼	IF0405	∩;o	1: ug/	V	
N97476-3	28-Apr-05		23-May-05	굞	F0405	0:0	1: ug/	V	
N97478-3	28-Apr-05		23-May-05	띪	(F0405	∩;0	2; ug	W.	3
N97476-3	28-Apr-05		Z3-May-05	띪	IF0405	∏;0	2: ug/		
N97476-3	28-Apr-05		23-May-05	띪	F0405	□ 0	1: ug/	И	,,,,,,
N97478-3	28-Apr-05	•	23-May-05	뽒	F0405	∩:0	/Bn :L	I	:
N97476-3	28-Apr-0		23-May-05	뿝	IF0405	O:0		<i>A</i>	
	28-Apr-00		23-May-05	出	IF0405	ე:0	/Bn :L	W .	
PA 624 N97476-3 28-Apr-0	28-Apr-0	ω Ω	23-May-05	뀖	IF0405	⊃. 0	1. ug	//	

DATA USABILITY SUMMARY REPORT FOR MAY 2005 MONTHLY COMPLIANCE MONITORING

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

Two groundwater samples and one field QC trip blank were collected from the Former Sinclair Refinery Site in Wellsville, New York on May 3, 2005. These samples were received by Accutest Laboratories (Accutest) within one day of collection on May 4, 2005. 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 1664. 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 # N97891) were received by On-Site within 21 days of sample receipt at the laboratory, reviewed, and validated for custody documentation, holding times, surrogate recoveries, matrix spike/matrix spike duplicate (MS/MSD) recoveries, laboratory control sample (LCS) recoveries, laboratory method blank contamination, trip blank contamination, instrument calibrations, laboratory duplicate precision, quantitation limits, and data completeness. The laboratory sample data were reviewed and may be qualified with the following validation flags:

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

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

laboratory result for sample SP219-0505 was considered estimated and qualified "UJ" in the "Valid Code" column as a result from data validation.

VOLATILE ORGANIC ANALYSIS

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

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

These items were considered compliant and acceptable in accordance with the validation protocols with the exception of MS/MSD recoveries (i.e., accuracy). Validation qualification of sample results was not warranted since the MS/MSD samples were not designated project samples.

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 1664 analyses:

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

These items were considered compliant and acceptable in accordance with the validation protocols with the exception of MS recoveries and LCS recoveries. All MS recoveries were within the 75-125%R QC acceptance limit with the exception of the low cyanide recovery (64.7%R) associated with sample SP219-0505. Therefore, the cyanide result for this sample which was nondetect, was considered estimated, possibly biased low, and qualified "UJ".

All LCS recoveries were within QC acceptance limits with the exception of the high cyanide recovery (113.1%R; QC limit 90-110%R) associated with sample SP219-0505. Validation qualification was not warranted for this sample due to this noncompliance since cyanide was not detected.

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

ulid Code								***************************************									***************************************			
Valid Result Valid Code			3	***************************************																
			- -	-			7											V		
RL Units	3	5.1: M	0.01: mg/l	100 ug	100	E	40: ug		10. ug		20: ug	18	:	100 ug	•	40: ua		:	25: ug	: :
Result Code RL	8	Πo	∩ 0	0.0	275	70	70	00	n o	Ω°O	0.0	6.65	Ωo	44600	no	Ωo	82.8	ספר	n o	∩.0
Location	0505	0505	0505	0505	0505	0505	0505	0505	0505	0505	0505	0505	0505	0505	0505	0505	0505	0505	0505	0505
Sample	SP219	SP219	SP219	SP219	SP219	SP219	SP219	SP219	SP219	SP219	SP219	SP114	SP114	SP114	SP114	SP114	SP114	SP114	SP114	SP114
Validation Dale	08-Jun-05	06-Jun-05	08~Jun-05	06-Jun-05	08-Jun-05	08-Jun-05	08-Jun-05	06-Jun-05	06-Jun-05	08-Jun-05	08~Jun-05	08~Jun-05	06-Jun-05	08~Jun-05	08-Jun-05	08-Jun-05	06-Jun-05	06-Jun-05	06~Jun-05	08~Jun-05
Date Sampled	03-May-05	03-May-05	03-May-05	03-May-05	03-May-05	03-May-05	03-May-05	03-May-05	03-May-05	03-May-05	03-May-05	03-May-05	03-May-05	03-May-05	03-May-05	03-May-05	03-May-05	03-May-05	03-May-05	03-May-05
Labsampid	N97891-1	N97891-1	N97891-1	N97891-1	N97891-1	N97891-1	N97891-1	N97891-1	N97891-1	N97891-1	N97891-1	N97891-2	N97891-2	N97891-2	N97891-2	N97891-2	N97891-2	N97891-2	N97891-2	N97891-2
Method	EPA 150.1	EPA 1664A	EPA 335.3	EPA 200.7	EPA 200.7	EPA 200.7	EPA 200.7	EPA 200.7	EPA 200.7	EPA 200.7	EPA 200.7	EPA 150.1	EPA 200.7	EPA 200.7	EPA 200.7	EPA 200.7	EPA 200.7	EPA 200.7	EPA 200.7	EPA 200.7
Gasilo			57-12-6	7429-90-5	7439-89-6	7439-92-1	7440-02-0	7440-38-2	7440-47-3	7440-50-8	7440-66-6		7429-90-5	7439-88-6	7439-92-1	7440-02-0	7440-38-2	7440-47-3	7440-50-8	7440-66-6
Analyte	T	Oll And Grease	Cyanide	Aluminum, Total	Iron, Total	Lead, Total	Nickel, Total	Arsenic, Total	Chromium, Total	Copper, Total	Zinc, Total	Hd	Aluminum, Total	Iron, Total	Lead, Total	Nickel, Total	Arsenic, Total	Chromium, Total	Copper, Total	Zinc, Total

Analyte	Casto	Method	Labsampid	Date Sampled	Validation Date	Sample	Location	Result Code	궏	Units Valid Result Valid Gode	Valid Code
Ethylbenzene	100-41-4	EPA 624	N97891-3	03-May-05	06~lun-05	Š) 0		ug/l	- Contract of the Contract of
cis-1,3-Dichloropropene	2	EPA 624	N97891-3	03-May-05	06~Jun-05	ž	TRIP BLANK	0.0	=	ng/l	
trans-1,3-Dichloropropene :6	9	EPA 624	N97891-3	03-May-05	06~Jun-05	Š	TRIP BLANK	ΠÖ	÷	/Bn	
1,4-Dichlorobenzene	106-46-7	EPA 624	N97891-3	03-May-05	06~Jun-05	¥	TRIP BLANK	0 0	<u></u>	/Bn	
1,2-Dichloroethane	107-08-2	EPA 624	N97891-3	03-May-05	08-Jun-05	š	TRIP BLANK	<u>⊃</u> 0	-	ug/l	
oluene	108-88-3	EPA 624	N97891-3	03-May-05	06~lun-05	ž	TRIP BLANK	∩ o	-	ug/l	
Chlorobenzene	108-90-7	EPA 624	N97891-3	03-May-05	08-Jun-05	Š	TRIP BLANK	∩ •	-	19/	
Dibromochloromethane	124-48-1	EPA 624	N97891-3	03-May-05	08-Jun-05	ž	TRIP BLANK	0 0	-	LED/1	
etrachloroethene	127-18-4	EPA 624	N97891-3	03-May-05	06~Jun-05	Š	TRIP BLANK	0 0		ug/l	*****
Хуюлеs (total)	1330-20-7	EPA 624	N97891-3	03-May-05	06~lun-05	¥	TRIP BLANK) 0	-	1/01	
cis-1,2-Dichloroethene	156-59-2	EPA 624	N97891-3	03-May-05	06~lun-05	ž	TRIP BLANK	O O	-	l/bn	
trans-1,2-Dichloroethene	156-60-5	EPA 624	N97891-3	03-May-05	06~lun-05	Š	TRIP BLANK	n o	<u> </u>]/br	
,3-Dichlorobenzene	541-73-1	EPA 824	N97891-3	03-May-05	06~lun-05	Š	TRIP BLANK	0.0	-	/bn	7
Carbon tetrachloride	56-23-5	EPA 624	N97891-3	03-May-05	08~Jun-05	ž	TRIP BLANK	ΠO	_	ng/l	
Chloroform	67-88-3	EPA 624	N97891-3	03-May-05	08~Jun-05	ž	TRIP BLANK	O o	-	1/Br	
Вепzепе	71-43-2	EPA 624	N97891-3	03-May-05	06~Jun-05	ž	TRIP BLANK	٥٥	- -	ng/l	
,1,1-Trichloroethane	71-55-6	EPA 624	N97891-3	03-May-05	06-Jun-05	Š	TRIP BLANK	٥	_	1g/l	
Methyl bromide	74-83-9	EPA 624	N97891-3	03-May-05	06-Jun-05	Š	TRIP BLANK	חס	-	, VBr	
Chloromethane	74-87-3	EPA 624	N97891-3	03-May-05	08-Jun-05	Š	TRIP BLANK	∩0	-	/br	
Chloroethane	76-00-3	EPA 624	N97891-3	03-May-05	06-Jun-05	Š	TRIP BLANK	<u>п</u> о	-	ug/l	
Vinyl chloride	75-01-4	EPA 624	N97891-3	03-May-05	06-Jun-05	ž	TRIP BLANK	0.0	2	1/Br	
Methylene chloride	75-09-2	EPA 624	N97891-3	03-May-05	08~Jun-05	ž	TRIP BLANK:	∩ o	-	ng/l	
Вготобот	75-25-2	EPA 624	N97891-3	03-May-05	06-Jun-05	¥	TRIP BLANK	0.0	-	Vor	**************************************
Bromodichloromethane	75-27-4	EPA 624	N97891-3	03-May-05	08-Jun-05	ž	TRIP BLANK	<u> </u>	-	/br	
,1-Dichloroethane	75-34-3	EPA 624	N97891-3	03-May-05	08-Jun-05	¥	TRIP BLANK	0.0		ng/l	¥****
1-Dichloroethene	75-35-4	EPA 624	N97891-3	03-May-05	08-Jun-05	¥	TRIP BLANK	∩ o	-	l/6n	
richlorofluoromethane	75-69-4	EPA 624	N97891-3	03-May-05	06-Jun-05	¥	TRIP BLANK	Ωo	2	ng/l	
Dichlorodifluoromethane	75-71-8	EPA 624	N97891-3	03-May-05	08~Jun-05	ž	TRIP BLANK	0.0	Ñ	ng/l	
,2-Dichloropropane	78-87-5	EPA 624	N97891-3	03-May-05	06~lun-05	¥	TRIP BLANK	0:0	=	ng/l	
,1,2-Trichloroethane	79-00-6	EPA 624	N97891-3	03-May-05	06-Jun-05	ž	TRIP BLANK	ΩÖ	-		*******
richloroethene	79-01-6	EPA 624	N97891-3	03-May-05	06-Jun-05	ž	TRIP BLANK	O:O	÷	ng/l	
,1,2,2-Tetrachloroethane :79-34-5	79-34-5	EPA 624	N97891-3	03-May-05	06~lun-05	ž	TRIP BLANK	ΩO	-	ng/l	
1,2-Dichlorobenzene	95-50-1	Д.	N97891-3	03-May-05	06~Jun-05	ž	TRIP BLANK	O O	-	ng/l	· · · · · · · · · · · · · · · · · · ·

Analyte	CEBTIO	:•	Labsampid	Date Sampled	Validation Date	Sample	Location	Result Code	B	Units Valid Result Valid Gode	Valid Code
Aluminum, Dissolved	7429-90-5		N97891-1F	03-May-05	06-Jun-05	SP219	0505	n o	100 ua/	-	District Company of the Company of t
Aluminum, Dissolved	7429-90-5	EPA 200.7	N97891-2F	03-May-05	06~Jun-05	SP114	0505	O D	100 La	M.	
Ethylbenzene	100414	EPA 624	N97891-1A	03-May-05	06-Jun-05	SP219	0505	0.33 J		// // // // // // // // // // // // //	
cls-1,3-Dichloropropene	5	EPA 624	N97891-1A:	03-May-05	06-Jun-05	SP219	0505	0.0); Ed.	M.	
trans-1,3-Dichloropropene 6	9	EPA 624	:N97891-1A	03-May-05	08-Jun-05	SP219	0505	Πo	<u> </u>	ng/l	
1,4-Dichlorobenzene	106-46-7	⋖:	N97891-1A	03-May-05	08-Jun-05	SP219	0505	no	7	/Bn	
1,2-Dichloroethane	107-06-2	⋖:	N97891-1A	03-May-05	08-Jun-05	SP219	0505	סמ	5	/Bn	
Toluene	108-88-3	EPA 824	N97891-1A:	03-May-05	08-Jun-05	SP219	0505	0.7.J	5	ng/l	
Chlorobenzene	108-90-7	EPA 624	N97891-1A	03-May-05	06~Jun-05	SP219	0505	70	5	,	
Dibromochloromethane	124-48-1	EPA 624	N97891-1A	03-May-05	06~Jun-05	SP219	0505	0.0	705		
Tetrachloroethene	127-18-4	EPA 624	N97891-1A	03-May-05	06~Jun-05	SP219	0505	0.0	-	M.	
Xylenes (total)	1330-20-7	EPA 624	N97891-1A:	03-May-05	08~Jun-05	SP219	0505	ΠO	/Bn :;	M	
cis-1,2-Dichloroethene	156-59-2	EPA 624	:N97891-1A	03-May-05	06~Jun-05	SP219	0505	4.1	Ţ	. W	
trans-1,2-Dichloroethene	156-60-5	EPA 624	N97891-1A	03-May-05	08~Jun-05	SP219	0505	∩ o	1,00 1,00	, W	
1,3-Dichlorobenzene	541-73-1	EPA 624	N97891-1A	03-May-05	08-Jun-05	SP219	0505	no o	Jan T	, W	
Carbon tetrachloride	58-23-5	EPA 624	N97891-1A	03-May-05	08-Jun-05	SP219	0505	ΠO	/gu /		
Chloroform	67-66-3	EPA 624	N97891-1A	03-May-05	06-Jun-05	SP219	0605	∩ o	75		
Вепzеле	71-43-2	EPA 624	N97891-1A	03-May-05	08~Jun-05	SP219	0505	2.5	- F	, w	
1,1,1-Trichloroethane	71-55-8	EPA 624	N97891-1A	03-May-05	06~Jun-05	SP219	0505	0.15.1	/B7 :L		
Methyl bromide	74-83-9	EPA 624	N97891-1A	03-May-05	06-Jun-05	SP219	0505	ΩÖ	/Bn :L	M :	
Chloromethane	74-87-3	EPA 624	:N97891-1A:	03-May-05	08~Jun-05	SP219	0505	ΩÖ	/bn :L	, , , , , , , , , , , , , , , , , , ,	
Chloroethane	75-00-3	EPA 624	N97891-1A	03-May-05	06-jun-05	SP219 :	0505	٥٥	/Bn -	, M	
Vinyl chloride	75-01-4	EPA 624	N97891-1A:	03-May-05	08~Jun-06	SP219	0505	0.62:J	2: ug/		
Methylene chloride	75-09-2	EPA 624	N97891-1A:	03-May-05	08-Jun-05	SP219	0505	0.0	/Bn :		
Bromoform	75-25-2	EPA 624	N97891-1A	03-May-05	08~Jun-05	SP219	0505	<u>∩</u> 0	,		***************************************
Bromodichloromethane	75-27-4	EPA 624	N97891-1A	03-May-05	08~Jun-05	SP219	0505	n o	7 10		
1,1-Dichloroethane	75-34-3	EPA 624	N97891-1A	03-May-05	08-Jun-05	SP219	0505	1.3	/gu -L		
1,1-Dichlomethene	75-35-4	EPA 624	N97891-1A	03-May-05	08-Jun-05	SP219	0505	Ω . 0	/Bn		
Trichlorofluoromethane	75-69-4	EPA 624	:N97891-1A	03-May-05	08-Jun-05	SP219	0506	n o	2 ug/		
Dichlorodifluoromethane	75-71-8	EPA 624	N97891-1A	03-May-05	08~Jun-05	SP219	0505	П O	2 ug/		
1,2-Dichloropropane	78-87-6	EPA 624	N97891-1A	03-May-05	06-Jun-05	SP219	0505	0.0	/Bn :L		
1,1,2-Trichloroethane	79-00-5	EPA 624	N97891-1A	03-May-05	08-Jun-05	SP219	0505	0.0	1 ug/		
Trichloroethene	79-01-6	EPA 624	N97891-1A	03-May-05	06-Jun-05	SP219	0505	O:0	/Bn 1		**************************************
1,1,2,2-Tetrachloroethane 79-34-5	79-34-5	•	N97891-1A	03-May-05	06-Jun-05	SP219	0505	0.0	in L	5	
1,2-Dichlorobenzene	95-50-1	EPA 624	N97891-1A:	03-May-05	06-Jun-05	SP219	0505	O.O.	/gn :1		******

100-41-4 EPA 624 in 6 EPA 624 106-46-7 EPA 624 106-46-7 EPA 624 107-06-2 EPA 624 108-80-7 EPA 624 108-90-7 EPA 624 127-18-4 EPA 624 127-18-4 EPA 624 127-18-4 EPA 624 127-18-5 EPA 624 148-69-2 EPA 624 148-89-3 EPA 624 156-00-3 EPA 624 156-00-3 EPA 624 156-00-3 EPA 624 156-00-4 EPA 624	N97891-2A 03-May-05	08-Vur-06	SP114 0505	12.9 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	200 1/80 1/80 1/80 1/80 1/80 1/80 1/80 1/
6 EPA 624 106-46-7 EPA 624 107-08-2 EPA 624 107-08-3 EPA 624 108-90-7 EPA 624 108-90-7 EPA 624 124-48-1 EPA 624 127-18-4 EPA 624 127-18-4 EPA 624 127-18-4 EPA 624 127-18-5 EPA 624 166-60-5 EPA 624 166-60-5 EPA 624 17-5-6-6 EPA 624 17-5-6-6 EPA 624 17-6-6-7 EPA 624 17-6-6-8 EPA 624 17-6-6-9 EPA 624 17-6-0-3 EPA 624 17-6-0-4 EPA 624				0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1 ug/l	
108-46-7 EPA 624 108-46-7 EPA 624 108-80-3 EPA 624 108-90-7 EPA 624 108-90-7 EPA 624 124-48-1 EPA 624 127-18-4 EPA 624 127-18-4 EPA 624 1330-20-7 EPA 624 156-50-5 EPA 624 166-60-5 EPA 624 17-45-2 EPA 624 17-45-4 EPA 624 17-45-4 EPA 624 17-65-4 EPA 624 17-60-2 EPA 624 17-60-3 EPA 624 17-60-4 EPA 624				7.3 7.3 7.3 0.0 0.0 0.0 1.2 0.0 0.0 0.0 0.0	1 ug/l	
106-46-7 EPA 624 107-08-2 EPA 624 108-80-7 EPA 624 108-90-7 EPA 624 124-48-1 EPA 624 124-48-1 EPA 624 127-18-4 EPA 624 1330-20-7 EPA 624 156-50-5 EPA 624 166-60-5 EPA 624 17-45-2 EPA 624 17-45-3 EPA 624 17-55-9 EPA 624 17-65-9 EPA 624 17-65-9 EPA 624 17-65-9 EPA 624 17-65-9 EPA 624 17-65-9 EPA 624 17-65-1 EPA 624 17-60-3 EPA 624				0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1 ug/l	
107-08-2 EPA 624 108-86-3 EPA 624 108-90-7 EPA 624 124-48-1 EPA 624 127-18-4 EPA 624 127-18-2 EPA 624 158-50-5 EPA 624 158-60-5 EPA 624 641-73-1 EPA 624 67-66-3 EPA 624 71-65-6 EPA 624 71-65-9 EPA 624 71-65-9 EPA 624 71-65-9 EPA 624 71-65-9 EPA 624 71-65-9 EPA 624 71-65-9 EPA 624 71-60-3 EPA 624				7.3 7.3 0.0 0.0 0.0 1.2 1.2 0.0 0.0 0.0 0.0	1 ug/l	
108-88-3 EPA 624 108-90-7 EPA 624 127-18-4 EPA 624 127-18-4 EPA 624 1330-20-7 EPA 624 156-60-5 EPA 624 166-60-5 EPA 624 166-60-5 EPA 624 17-43-2 EPA 624 17-45-6 EPA 624 17-45-9 EPA 624 17-45-9 EPA 624 17-60-2 EPA 624 17-60-2 EPA 624 17-60-2 EPA 624 17-60-2 EPA 624 17-60-2 EPA 624 17-60-3 EPA 624 17-60-4 EPA 62				7.3 0 0 0 0 0 0 0 0 0 1.2 1.2 0 0 0 0 0 0 0 88.4	1 ug/l	
108-90-7 EPA 624 124-48-1 EPA 624 127-18-4 EPA 624 1330-20-7 EPA 624 158-50-5 EPA 624 168-60-5 EPA 624 641-73-1 EPA 624 641-73-1 EPA 624 71-43-2 EPA 624 71-45-9 EPA 624 71-65-9 EPA 624 71-65-9 EPA 624 71-65-9 EPA 624 76-00-3 EPA 624				0 U 0 O U 0	1 ug/l	
124-48-1 EPA 624 127-18-4 EPA 624 1330-20-7 EPA 624 158-50-5 EPA 624 168-60-5 EPA 624 168-60-5 EPA 624 61-73-1 EPA 624 67-68-3 EPA 624 71-65-6 EPA 624 71-65-6 EPA 624 71-65-9 EPA 624 74-83-9 EPA 624 76-00-3 EPA 624 76-00-3 EPA 624 76-00-3 EPA 624 76-00-4 EPA 624 76-01-4 EPA 624				9 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 1 ug/l 1 ug/l	
127-18-4 EPA 624 1330-20-7 EPA 624 156-60-5 EPA 624 166-60-5 EPA 624 641-73-1 EPA 624 67-66-3 EPA 624 71-43-2 EPA 624 71-43-4 EPA 624 71-43-4 EPA 624 71-43-6 EPA 624 71-60-6 EPA 624 71-60-6 EPA 624 71-60-7 EPA 624 71-60-7 EPA 624 71-60-8 EPA 624				8 8.2 84.3 84.3 1.2 0 0 0 0 0 0 0 0 88.4	1 ug/l 1 ug/l 1 ug/l 1 ug/l 1 ug/l 1 ug/l	
1330-20-7 EPA 824 166-60-6 EPA 624 641-73-1 EPA 624 66-23-5 EPA 624 71-43-2 EPA 624 71-45-9 EPA 624 71-56-9 EPA 624 71-56-9 EPA 624 74-87-3 EPA 624 74-87-3 EPA 624 76-00-3 EPA 624 76-00-2 EPA 624 76-00-2 EPA 624 76-01-4 EPA 624 76-25-2 EPA 624				8.2 84.3 1.2 0.0 0.0 0.0 0.0 88.4	1 ug/l 1 ug/l 1 ug/l 1 ug/l 1 ug/l 1 ug/l	
168-69-2 EPA 824 166-60-6 EPA 624 68-23-5 EPA 624 68-23-5 EPA 624 71-65-6 EPA 624 71-65-6 EPA 624 71-65-6 EPA 624 71-65-6 EPA 624 74-83-9 EPA 624 75-01-4 EPA 624				84.3 1.2 0.U 0.U 0.U 88.4	1 ug/l 1 ug/l 1 ug/l 1 ug/l 1 ug/l	
168-60-6 EPA 624 641-73-1 EPA 624 66-23-5 EPA 624 71-65-6 EPA 624 71-65-6 EPA 624 74-83-9 EPA 624 74-87-3 EPA 624 75-00-3 EPA 624 75-01-4 EPA 624				1.2 0.0 0.0 0.0 88.4	1 ug/l 1 ug/l 1 ug/l 1 ug/l	
641-73-1 EPA 624 68-23-5 EPA 624 71-85-6 EPA 624 71-65-6 EPA 624 71-65-6 EPA 624 74-87-3 EPA 624 75-00-3 EPA 624 75-01-4 EPA 624 75-01-4 EPA 624 75-02-6 EPA 624 75-03-7 EPA 624 75-03-8 EPA 624 75-03-8 EPA 624 75-03-8 EPA 624				0.U 0.U 0.U 88.4	1 ug/l 1 ug/l 1 ug/l	
68-23-5 EPA 624 67-68-3 EPA 624 71-65-6 EPA 624 74-83-9 EPA 624 74-87-3 EPA 624 75-01-4 EPA 624 75-01-4 EPA 624 75-01-4 EPA 624 76-02-2 EPA 624 76-24-3 EPA 624 76-34-3 EPA 624 76-34-3 EPA 624 76-34-3 EPA 624				0 U 0 U 88.4	1 ug/l 1 ug/l 1 ug/l	
67-86-3 EPA 624 71-43-2 EPA 624 71-65-6 EPA 624 74-83-9 EPA 624 76-00-3 EPA 624 75-01-4 EPA 624 75-01-4 EPA 624 76-25-2 EPA 624 76-27-4 EPA 624 76-34-3 EPA 624				0 U 88.4	1 ug/1	
71-65-6 EPA 624 71-65-6 EPA 624 74-87-3 EPA 624 75-00-3 EPA 624 75-01-4 EPA 624 75-08-2 EPA 624 76-26-2 EPA 624 76-26-2 EPA 624 76-36-4 EPA 624 76-36-4 EPA 624			ļļ	88.4	J ng/J	
71-66-6 EPA 624 74-83-9 EPA 624 74-87-3 EPA 624 75-01-4 EPA 624 75-01-4 EPA 624 75-08-2 EPA 624 76-27-4 EPA 624 76-37-4 EPA 624 76-34-3 EPA 624	!!.				***************************************	
7483-9 EPA 624 7487-3 EPA 624 75-00-3 EPA 624 75-01-4 EPA 624 75-08-2 EPA 624 76-27-4 EPA 624 76-34-3 EPA 624 76-34-3 EPA 624				7.9	1; ug/l ;	
7487-3 EPA 624 75-00-3 EPA 624 75-01-4 EPA 624 75-08-2 EPA 624 76-25-2 EPA 624 76-34-3 EPA 624 75-35-4 EPA 624				∩ o	1 ug/l	
76-00-3 EPA 624 75-01-4 EPA 624 76-08-2 EPA 624 76-25-2 EPA 624 76-27-4 EPA 624 76-34-3 EPA 624		08-Jun-05 : 5		Π0	1; ng/l	***************************************
75-01-4 EPA 624 75-09-2 EPA 624 75-25-2 EPA 624 76-27-4 EPA 624 75-35-4 EPA 624				-	1/Bn 1	
75-09-2 EPA 824 75-25-2 EPA 824 75-37-4 EPA 824 75-34-3 EPA 624 75-35-4 EPA 624				99.6	2 ug/l	
75-25-2 EPA 624 76-27-4 EPA 624 76-34-3 EPA 624 75-35-4 EPA 624	:	06-Jun-05		n o	1; ug/l	
75-27-4 EPA 624 75-34-3 EPA 624 75-35-4 EPA 624		••••		ΩO	1 ug/l	
75-34-3 EPA 624 75-35-4 EPA 624	•			ΩO	1 ug/l	
75-35-4 EPA 624	:	,		23.3	1: ug/l	
				0.38:J	1 ug/l	
75-69-4 EPA 624				n.o	2 ug/l	
ane 75-71-8 EPA 624	!	06-Jun-05		n o	2: ug/l	
78-87-5 EPA 624				0:0	1: ug/l	
thane :79-00-5 EPA 624		06-Jun-05 S		0:0	1: ug/l	
EPA 624			SP114 : 0505	2.8	1 ug/1	***************************************
hane 79-34-5 EPA 624	N97891-2A 03-May-05	08-Jun-05 S	SP114 0505) 0	1 ug/l	
-	N97891-2A 03-May-05	08-Jun-05	SP114 0505	ΠÖ	1 119/1	

DATA USABILITY SUMMARY REPORT FOR JUNE 2005 MONTHLY COMPLIANCE MONITORING

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

Two groundwater samples and one field QC trip blank were collected from the Former Sinclair Refinery Site in Wellsville, New York on June 2, 2005. These samples were received by Accutest Laboratories (Accutest) within one day of collection on June 3, 2005. 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 1664. Analytical results from these project samples were validated and reviewed by On-Site Technical Services, Inc. (On-Site) for usability in accordance to the USEPA Region II SOPs for organic and inorganic data review.

SUMMARY

The groundwater samples were collected, properly preserved, shipped under a chain-of-custody (COC) record, and received by Accutest at 5°C. All samples were received intact and in good condition at Accutest.

The analytical data package generated by Accutest (Accutest Job # J552) 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, laboratory duplicate precision, quantitation limits, and data completeness. The laboratory sample data were reviewed and may be qualified with the following validation flags:

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

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

laboratory result for sample SP219-605; the nondetected dichlorodifluoromethane and trichlorofluoromethane laboratory results for samples SP219-605 and SP114-605; and the nondetected bromomethane laboratory result for the QC sample TRIP BLANK were considered estimated and qualified "UJ" in the "Valid Code" column as a result from data validation.

VOLATILE ORGANIC ANALYSIS

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

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

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

It was noted that there were many noncompliant MS/MSD relative percent difference (RPD; precision) and percent recovery (%R; accuracy) results. However, validation qualification was not warranted due these noncompliances since the spiked samples were not designated project samples.

It was also noted that there were many high LCS recoveries associated with the QC sample TRIP BLANK. Validation qualification of this sample was not warranted since TRIP BLANK sample results were nondetects.

All initial calibration compounds were compliant with percent relative standard deviations (%RSDs) less than 30% and relative response factors (RRFs) greater than 0.05 for all compounds with the exception of dichlorodifluoromethane (38.49%RSD) and trichlorofluoromethane (32.85%RSD) in the initial calibration associated with samples SP219-605 and SP114-605. Therefore, the results for these compounds which were nondetects for these samples, were considered estimated and qualified "UJ".

All continuing calibration compounds were compliant with percent differences (%Ds) within ±25% and RRFs greater than 0.05 for all compounds with the exception of bromomethane (-45.7%D) in the continuing calibration associated with TRIP BLANK; and dichlorodifluoromethane (-48.6%D) and trichlorofluoromethane (-38.6%D) in the continuing calibration associated with samples SP219-605 and SP114-605. Therefore,

the results for these compounds which were nondetects for these samples, were considered estimated and qualified "UJ".

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 1664 analyses:

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

These items were considered compliant and acceptable in accordance with the validation protocols with the exception of MS recoveries. All MS recoveries were within the 75-125%R QC acceptance limit with the exception of the low cyanide recovery (42%R) associated with sample SP219-605. Therefore, the cyanide result for this sample which was nondetect, was considered estimated, possibly biased low, and qualified "UJ".

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

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1749-92-1 EPA 336.3		52-1/	52-17	562-17	552-17	52-1/	552-1/	562-17	562-17	552-1/	552-1/	552-1/	552-2/	552-2	552-2	552-2	562-2	552-2	552-2	552-2	552-2	552-1	
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DATA USABILITY SUMMARY REPORT FOR JULY 2005 MONTHLY COMPLIANCE MONITORING

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

Two groundwater samples and one field QC trip blank were collected from the Former Sinclair Refinery Site in Wellsville, New York on July 8, 2005. These samples were received by Accutest Laboratories (Accutest) within one day of collection on July 9, 2005. 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 1664. 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°C. All samples were received intact and in good condition at Accutest.

The analytical data package generated by Accutest (Accutest Job # J3747) was received by On-Site within 18 days of sample receipt at the laboratory, reviewed, and validated for custody documentation, holding times, surrogate recoveries, matrix spike/matrix spike duplicate (MS/MSD) recoveries, laboratory control sample (LCS) recoveries, laboratory method blank contamination, trip blank contamination, instrument calibrations, laboratory duplicate precision, quantitation limits, and data completeness. The laboratory sample data were reviewed and may be qualified with the following validation flags:

"U" - not detected at the value given,

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

"J" - estimated at the value given, and

"R" – unusable value.

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

require qualification resulting from data validation for these samples. Therefore, there are 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. 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 1664 analyses:

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

Ethylbenzene	100-41-4	EPA 624	J3747-1	08-Jul-05	08-Aug-05	SP219	909	Ωio	1; ug/l	
cis-1,3-Dichloropropens	10061-01-5	EPA 624	J3747-1	08-Jul-05	06-Aug-05	SP219	605	O.B	1; ug/l	
trans-1,9-Dichloropropene	10061-02-6	EPA 624	J3747-1	08-Jul-05	08-Aug-05	SP219	909	n o	1 ug/l	
,4-Dichlorobenzene	106-46-7	EPA 624	J3747-1	08~Jul-05	05-Aug-05	SP219	605	n o	1 Light	
1,2-Dichloroethane	107-08-2	EPA 824	J3747-1	08~Jul-05	08-Aug-05	SP219	605	חים.	1,00/	***************************************
Toluene	108-88-3	EPA 624	J3747-1	08-Jul-05	08-Aug-05	SP219	605	O O	1 ug/l	
Chlorobenzana	108-80-7	EPA 624	J3747-1	08~Jul-05	06-Aug-05	SP219	909	Ωio	1.00/	
Olbromochloromethane	124-48-1	EPA 024	J3747-1	08-Jul-05	06-Aug-05	SP210	605	חים	1 ug/l	
Gtrachlomethene	127-18-4	EPA 624	J3747-1	08-Jul-05	08-Aug-05	SP219	605	<u> </u>	1,09/1	· · · · · · · · · · · · · · · · · · ·
Xylenes (total)	1330-20-7	EPA 624	J3747-1	08~Ju[-05	06-Aug-05	SP219	605	<u> </u>	1 ug/l	***************************************
cls-1,2-Dichloroethene		EPA 624	J3747-1	08-Jul-05	06-Aug-05	SP219	605	<u> </u>	1:ug/l	***************************************
trans-1,2-Dichloroethene	168-60-6	EPA 624	J3747-1	08-Jul-05	06-Aug-05	SP218	605		1:00/	
I,3-Dichlorobenzene	541-73-1	EPA 624	13747-1	08-Jul-05	06-Aug-05	SP219	605	0;0	1:ug/l	<u></u>
Carbon tetrachloride	58-23-5	EPA 624	J3747-1	08-Jul-05	06-Aug-05	SP210	605	Dio i	1:ua/l	***************************************
Chloroform	67-86-3	EPA 824	J3747-1	08-Jul-05	08-Aug-05	SP219	605	nio .	1:04/	
Вепzеле	71-43-2	EPA 624	J3747-1	08~JuH05	08-Aug-05	SP219	605	Ωįo	1:00/1	· · · · · · · · · · · · · · · · · · ·
1,1,1-Trichloroethane	71-55-6	EPA 624	J3747-1	08-74-06	08-Aug-05	SP219	605	٥٥	1,09/	***************************************
Methyl bromide	174-83-9	EPA 624	J3747-1	08~Jul-05	06-Aug-05	SP219	605	njo i	1, Eug/1	
Chloromethane	74-87-3	EPA 624	J3747-1	08~Jul-05	06-Aug-05	SP219	605	nio i	1:ug/l	-
Chlomethane 75-00-3	75-00-3	EPA 624	J3747-1	08-Jul-05	08-Aug-05	SP219	605	Ŋo	1,ug/l	
Vinyi chloride	75-01-4	EPA 624	J3747-1	08-Jul-05	06-Aug-05	SP219	605	n;o	2: ug/l	
Methylene chloride		EPA 624	13747-1	08-Jul-05	00-Aug-05	SP219	605	ם מ	1 ug/l	
Bromoform	75-25-2	EPA 624	J3747-1	08~Jul-05	. 06-Aug-05	SP219	906	פֿרָ	1 ug/l	
Ë	75-27-4	EPA 024	J3747-1	08-Jul-05	06-Aug-05	SP219	605	ָן מַיָּם	1;ng/l	
1,1-Dichlomethane	75-34-3	EPA 624	J3747-1	08-Jul-05	. 06-Aug-05	SP219	605	0;C	1 ug/l	
1,1-Dichlomethene	75-35-4	EPA 624	J3747-1	08-Jul-05	08-Aug-05	SP210	605	O.O.	1:ug/l	
Trichlorofluoromethane	75-69-4	EPA 624	J3747-1	08-Jul-05	08-Aug-05	SP219	605	 	2 ug/l	
Otchlorod (fluoromethane	75-71-8	EPA 824	J3747-1	08~JuH05	. D6-Aug-05	SP219	605	n;e	ZingA	
1,2-Dichlompmpane	78-87-5	EPA 624	J3747-1	08-JuH05	: 06-Aug-05	SP219	605	ם פֿרָת	1: ug/l	
1,1,2-Trichloroethane	79-00-6	EPA 624	J3747-1	08-Jul-05	: 06-Aug-05	SP219	605	n;ö	1:ug/l	•
Trichloroethene	. 19-01-8	EPA 624	J3747-1	08-Jul-05	: 08-Aug-05	SP219	605	nio :	1; ng/l	.,
1,1,2,2-Tetrachloroethane :79-34-5	79-34-5	EPA 624	J3747-1	08~Jul-05	: 06-Aug-05	SP219	605	n o	1 ug/l	
1,2-Dichlorobenzene	e :96-50-1	EPA 624	J3747-1	08~Jul-05	. 06-Aug-05	SP219	605	ָם סְּיָּח	1:ug/l	
Lead, Total	7439-92-1	EPA 200.7	J3747-1A	08-Jul-05	06-Aug-06	SP210	605	Oio i	3: ug/l	
Chromium, Total	7440-47-3	EPA 200.7	J3747-1A	08-Jul-06	06-Aug-06	SP210	808	O O	10 ng/l	
Copper, Total	7440-50-8	EPA 200.7	J3747-1A	08-Jul-06	06-Aug-06	SP219	605	O D	25 ug/l	· · · · · · · · · · · · · · · · · · ·
Znc, Total 7440-56-6	7440-55-5	EPA 200.7	J3747-1A	08-Jul-05	. 06-Aug-05	SP219	605	n o	20; ug/l	: : : : :
I		EPA 150.1	J3747-1A	08~JuH05	06-Aug-05	SP219	605	8.01	75	
Oil And Grease		EPA 1004A	J3747-1A	08-Jul-05	06-Aug-05	SP219	605	Πio	5.1 тдЛ	**************************************
Cyanide	57-12-5	EPA 335.3	J3747-1A	08~Jul-06	: 06-Aug-05	SP219	909	Π <u>:</u> 0	: 0.01: mg/l	
Aluminum, Total 7429-90-	7429-90-5	EPA 200.7	J3747-1A	08-711-05	06-Aug-05	SP219	605	U:0	100; ng/l	***************************************
Iron, Total	7439-89-6	EPA 200.7	J3747-1A	08-Jul-05	06-Aug-05	SP210	606) Oio	100 ug/l	:::::::::::::::::::::::::::::::::::::::
Nickel, Total	7440-02-0	EPA 200.7	J3747-1A	08-Jul-05	06-Aug-05	SP219	605	nioi	40; ug/l	
Arsenic, Total	7440-38-2	EPA 200.7	J3747-1A	08-74-05	06-Aug-05	SP219	605) Oin	5 ug/l	
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Ethylbenzene :100-41-4	100414	EPA 624	J3747-2	08~Jul-05	DEAMORE	CD444	ANE	a foliate a participa de la compania	
cis-1.3-Dichlomomene	u	FPA 824	C ZVZE	OB. In DE	20 5		200	7.0	Jon L
		170 77	7.14.100		UD-AUG-CD	SP114	605	O 0	1 ug/l
uans-1,3-0,000 popene :10061-02-6	Τ:	EPA 624	J3747-2	08~Jul-05	06-Aug-05	SP114	605	ΠįO	1001
1,4-Dichlorobenzene 106-46-7	:	EPA 624	J3747-2	08-Jul-05	. 08-Aug-05	SP114	806	n:o	Jon't
,2-Dichloroethane	:	EPA 624	J3747-2	08~Jul-05	08-Aug-05	SP114	605	חַפּ	Tiuc/
Toluane 108-88-3	108-88-3	EPA 824	J3747-2	08~Jui-05	. 06-Aug-05	SP114	909	3.5	1:ua/l
Shlombenzene	108-80-7	EPA 624	J3747-2	08~Jul-05	06-Aug-05	SP114	605	0.83: J	1:40/
Dibromochloromethane 124-48-1	124-48-1	EPA 624	J3747-2	08~UF05	06-Aug-05	SP114	605	<u></u>	1:00
Tetrachloroethene	127-18-4	EPA 624	J3747-2	08~Jul-05	06-Aug-05	SP114 !	905	<u>0</u>	i linii
(ylenes (total)	1330-20-7	EPA 624	J3747-2	08~101-05	06-Aug-05	SP114 :	605	3.7	
is-1,2-Dichloroethene	156-59-2	EPA 624	J3747-Z	08~UF05	08-Aug-05	SP-114	605	64.9	
rans-1,2-Dichloroethene	156-60-6	EPA 624	J3747-2	08-JuH05	06-Aug-05	SP114	805	0.01	
,3-Dichlombenzene	641-73-1	EPA 624	J3747-2	08-Jul-05	08-Aug-05	SP114	605		7:21
Sarbon tetrachloride	56-23-5	EPA 624	J3747-2	08~Jul-05	08-Aug-05	SP114	606	11:0	
Shloroform	67-86-3	EPA 624	J3747-2	08-Jul-06	06-Aug-05	SP114	808		
впхепе	71-43-2	EPA 624	J3747-2	08-Jul-05	08-Aug-05	SP114	605	72.6	1: ual
,1,1-Trichlomethane	71-55-6	EPA 624	J3747-2	08~Jul-05	06-Aug-05	SP114	605	7.7	1:00/
kethyl bromide	74-83-9	EPA 624	J3747-2	08~Jul-05	08-Aug-05	SP114	605	η ο	Ti uail
Chloromethane 74-87-3	74-87-3	EPA 024	J3747-2	08~JuH05	06-Aug-05	SP114	605	O O	Tiual
, тыстапе	75-00-3	EPA 624	J3747-2	08~Jul-05	06-Aug-05	SP114	605	0.02: J	1,00/
'înyl ahloride	75-01-4	EPA 624	J3747-2	08~Jul-05	06-Aug-05	SP114	605	63.5	2; ug/l
dethylene chloride	75-09-2	EPA 624	J3747-2	08~JuH06	06-Aug-05	SP114	605	חים	1 ug/l
готобот	75-25-2	EPA 624	J3747-2	08~JuH05	06-Aug-05	SP114	605	n o	Tug/
iromodichloromethane		EPA 624	J3747-2	08~Jul-05	06-Aug-05	SP114	605	סיס	1;ug/l
,1-Dichlomethane		EPA 624	J3747-2	08~Jul-05	. 08-Aug-05	SP114	605	16.6	1:ug/
,1-Dichloroethene		EPA 624	J3747-2	08~Jul-05	06-Aug-06	SP114	605	∩.o	1;ug/l
richloroffuoromethane		EPA 624	J3747-2	08~Jul-05	06-Aug-05	SP114	605	ם כ	Zingi
Dichlorodifluoromethane 75-71-8		EPA 624	J3747-2	08-Jul-05	06-Aug-05	SP114	605	Ωio	2 ug/l
,2-Dichloropropane		EPA 624	J3747-2	08~Jul-05	06-Aug-05	SP114	605	n o	1 ug/
,1,2-Trichlomethane	79-00-5	EPA 624	J3747-2	08~Jul-05	06-Aug-05	SP114	605	∩.0	liug.
richloroethene	79-01-6	EPA 624	J3747-2	08~Jul-05	06-Aug-05	SP114	605	2.3	ւնոյ
1,1,2,2-Tetrachlomethane: 79-34-5	78-34-5	EPA 624	J3747-2	08~Jul-05	. 06-Aug-05	SP114	605	ΩÖ	lugh
,2-Dichlorobenzene	95-50-1	EPA 624	J3747-2	08~Jul-05	08-Aug-05	SP114	605	n o	1 ug/
Lead, Total 7439-92-1	7439-92-1	EPA 200.7	J3747-2A	08~Jul-05	. 06-Aug-05	SP-114	605	O O	Mine
rsenic, Total	7440-38-2	EPA 200.7	J3747-2A	08~Jul-05	: 06-Aug-05	SP114	505	82.8	6 ug/l
homium, Total	7440-47-3	EPA 200.7	J3747-2A	08~Jul-05	06-Aug-05	SP114	605	Ωo	10 ug/l
Sopper, Total	7440-50-8	EPA 200.7	J3747-2A	08~1u1-05	08-Aug-05	SP114	605	0.0	25:00/
Inc, Total	7440-66-6	EPA 200.7	J3747-2A	08~JuH05	. 06-Aug-05	SP114	605	<u> </u>	20; ug/l
T		EPA 150.1	J3747-2A	08~Jul-05	06-Aúg-05	SP114	605	6,5	70
Aluminum, Total :7429-90-5	7429-90-5	EPA 200.7	J3747-2A	08-Jul-05	06-Aug-05	SP114	505	Ŋū	: 100;uq/l
ron, Total ;7439-89-6	7439-89-6	EPA 200.7	J3747-2A	08-701-05	06-Aug-05	SP114	605	41700	100:u=/
Nickel, Total 7440-02-0	7440-02-0	EPA 200.7	J3747-2A	08~JuF05	08-Aug-05	SP114	605	סיר	40 ua/l
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DATA USABILITY SUMMARY REPORT FOR AUGUST 2005 MONTHLY COMPLIANCE MONITORING

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

Two groundwater samples and one field QC trip blank were collected from the Former Sinclair Refinery Site in Wellsville, New York on August 4, 2005. These samples were received by Accutest Laboratories (Accutest) within one day of collection on August 5, 2005. 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 1664. 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 # J6176) was received by On-Site within 27 days of sample receipt at the laboratory, reviewed, and validated for custody documentation, holding times, surrogate recoveries, matrix spike/matrix spike duplicate (MS/MSD) recoveries, laboratory control sample (LCS) recoveries, laboratory method blank contamination, trip blank contamination, instrument calibrations, laboratory duplicate precision, quantitation limits, and data completeness. The laboratory sample data were reviewed and may be qualified with the following validation flags:

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

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

for sample SP219-0805 was considered estimated and qualified "UJ" in the "Valid Code" column as a result from data validation.

VOLATILE ORGANIC ANALYSIS

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

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

These items were considered compliant and acceptable in accordance with the validation protocols. 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 1664 analyses:

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

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

considered acceptable and within QC acceptance limits with the exception of the low MS recovery for cyanide (39.7%R; QC limit 75-125%R) associated with sample SP219-0805. The nondetected cyanide result for this sample was considered estimated, possibly biased low, and qualified "UJ". Therefore, the inorganic data and the oil and grease data presented by Accutest were 100% complete with all data considered usable and valid.

Oll And Grease Cyanide 67-12-5 Aluminum, Total 17429-80- Iron, Total 17439-89- Lead, Total 7439-89-		EPA 1664A	J6178-1	04-Aug-05	12-Sep-05	3P219	0805	O.O.	5.1 mg/l	
Oyanide Aluminum, Total ron, Total Lead, Total			19178-1	04-A10-05	12. San Of					
Aluminum, Total Iron, Total Lead, Total	67-12-5	EPA 335.3	5	77 77	22 402-31	SPZJB	0805	200	: 0.01:ma/l	<u></u>
lron, Total Lead, Total	7429-00-6	EPA 200.7	J617B-1	04-Aug-05	12-Sep-05	SPZ19	0805	O.O	100 ug/l	
Lead, Total	7439-89-6	EPA 200.7	16176-1	04-Aug-05	12-Sap-05	SP219	0805	n o	100; ng/l	
	7439-02-1	EPA 200.7	J6176-1	04-Aug-05	12-Sep-05	SP219	0805	ΩïO	3.ug/l	
Nickel, Lotal	7440-02-0	EPA 200.7	JB17B-1	04-Aug-05	12-Sep-05	3P219	0805	O:O	40 ug/l	
Arsenic, Total	7440-38-2	EPA 200.7	J8178-1	04-Aug-05	12-Sep-05	SP210	0805	nio	5 ug/l	
Chromium, Total	7440473	EPA 200.7	Ja176-1	04-Aug-05	12-Sep-06	SP219	0805	חוס	10 ug/l	
Copper, Total	7440-50-8	EPA 200.7	J6176-1	04-Aug-05	12-Sep-05	SP219	0805	nio .	26 ug/l	
Zinc, Total	7440-88-8	EPA 200.7	J6176-1	04-Aug-05	12-Sep-05	SP219	0805	Ŋö	20 ug/l	
Ethylbenzene	100414	EPA 624	J8178-1	04-Aug-05	12-Sep-05	SP219	0805	ŋö	Tuga	
cis-1,3-Dichlompropene	10081-01-5	EPA 624	J6176-1	04-Aug-05	12-Sap-05	SP210	0805	no	Ting/	
trans-1,3-Dichloropropene (10061-02-6	10081-02-8	EPA 624	J8176-1	04-Aug-05	12-Sep-05	SP219	0805	ספר	1 ug/	ļ
1,4-Dichlorobenzene 108-48-7	108-48-7	EPA 824	J6178-1	04-Aug-05	12-Sep-05	SP219	0805	n o	Tug/	-
1,2-Dichloroethane	107-08-2	EPA 824	J6176-1	04-Aug-05	12-Sep-05	SP219	0805	ספר	/m:	
Toluene	108-88-3	EPA 624	J6176-1	04-Aug-05	12-Sep-06	SP219	0805	UD	1, ug/l	
Chlorobenzene	108-80-7	EPA 624	JB176-1	04-Aug-05	12-Sep-05	SPZ19	0805	Oio	1 ug/l	
Dibromochloromethane	ne :124-48-1	EPA 624	J6178-1	04-Aug-05	12-Sep-05	SP219	0805	Ο̈́Ω	TugA	
Tetrachloroethene	127-18-4	EPA 624	J6176-1	04-Aug-05	12-Sep-05	SP219	0805	në	1 ug/l	
Xylenes (total)	1330-20-7	EPA 624	J8178-1	04-Aug-05	12-Sep-05	SP219	0805	O O	1, LgA	
cts-1,2-Dichlomethans	166-69-2	EPA 624	J6176-1	04-Aug-05	12-Sep-05	SP219	9080	<u> </u>	Ting/	
trans-1,2-Olchloroethene	156-60-5	EPA 624	JB178-1	04-Aug-05	12-Sep-05	SP218	0805	ņ	יויםת ד	
1,3-Dichlombenzene	541-73-1	EPA 624	J6176-1	04-Aug-05	12-Sep-05	SP219	0805	ņö	1 ug/l	
Carbon tetrachloride	56-23-5	EPA 624	J6176-1	04-Aug-05	12-Sep-05	SP219	0805) O	l'ud i	<u></u>
Chloroform	67-66-3	EPA 624	J6176-1	04-Aug-05	12-Sep-05	SP219	0805	ņ	1'ug/l	
Benzene		EPA 624	J6178-1	04-Aug-05	12-Sep-05	SP218	0805	Пö	1 ug/l	
1,1,1-Trichloroethane		EPA 624	J6176-1	04-Aug-05	12-Sep-05	SP219	0805	U.O	1:ug/l	••••
Methyl bromide	74-83-9	EPA 624	J8178-1	04-Aug-05	12-Sep-05	SP219	0805	Ü	1 ug/l	
Chloromethane		EPA 624	J6178-1	04-Aug-05	12-Sep-05	SP219	0805	nio i	1 ug/l	
Chloroethane	76-00-3	EPA 624	J6178-1	04-Aug-05	12-Sep-05	SP218	0805	Πįū	1,001	
Vinyl chloride	75-01-4	EPA 624	J6176-1	04-Aug-05	12-Sep-05	SP219	0805	nio :	Ziug/l	
Methylene chloride	75-09-2	EPA 624	J8176-1	04-Aug-05	12-Sep-05	SP219	0805	D;0	1:ug/l	
Вготобот	75-25-2	EPA 624	J6176-1	04-Aug-05	12-Sep-05	SP219	0805	nio :	1 ug/l	
Вготофсһюготефале	75-27-4	EPA 624	J6176-1	04-Aug-05	12-Sep-05	SP219	0805	Ωö	l'un'r	
1,1-Dichloroethane	75-34-3	EPA 624	J6178-1	04-Aug-05	12-Sep-05	SP219	0805	O:0	1:ug/l	
1,1-Dichloroethene	75-35-4	EPA 624	J6176-1	04-Aug-05	12-Sep-05	: SP219	0805	Πio	1.00/	
Trichlorofluoromethane	75-89-4	EPA 624	J6176-1	04-Aug-05	12-Sep-05	SP219	0805	nio i	2 ug/l	
Dichlorodifluoromethane	75-71-8	EPA 624	JB176-1	04-Aug-05	12-Sep-06	SP219	0805	Ωio	2 ug/l	*****
1,2-Dichloropropane	78-87-5	EPA 624	J6176-1	04-Aug-05	· 12-Sep-05	SP219	0805	ΩO	1.00/	
1,1,2-Trichloroethane	70-00-6	EPA 624	J6178-1	04-Aug-05	12-Şap-05	SP219	0805	nio .	1:09/	
Trichloroethene	78-01-6	EPA 624	J6176-1	04-Aug-05	12-Sep-06	SP218	0805	ספור	1 ug/l	
1,1,2,2-Tetrachloroethane :78-34-5	a :78-34-5	EPA 624	J8176-1	04-Aug-05	12-Sep-05	SP219:	0805	njo	1 ug/l	
1,2-Dichlorobenzene 95-50-1	95-50-1	EPA 624	J8178-1	04-Aug-05	12-Sep-05	SP219	0805	0.11	1:110/4	

Aluminum, Total	7429-90-5	EPA 200.7	18178-2	04-Aug-05	12-Sep-05	SP114	ORDS	opposite de la	100:100	Koronicasi Militaria arabasa
ron. Total	7439-89-6	EPA 200.7	J6176-2	04-Aug-05	12-Seo-05	SP114	OROS	41500	100 no	
	7439-02-1		IR 17R.2	04-410-05	12-Sep-05		DROE	, c V		
Zing Total	7440-02-0		1847A2	10 Em 10	49 500 06	77400	2000	-120		***************************************
***************************************	200		7-01100		COAPCO		000))	40; ug/l	
	/440~3B-2	EPA 200.7	797197	04-Aug-05	12-Sep-05	SP114:	0802	94.2	e ug/l	
Chomium, Total	7440-47-3	EPA 200.7	J6178-2	04-Aug-05	· 12-Sap-05	SP114	0805	ם	; 10;ug/l	••
Copper, Total	7440-50-8	EPA 200.7	J6176-2	04-Aug-05	12-Sep-05	SP114	0805	⊃.ö	25i ug/l	•
Zinc, Total 37440-86-8	7440-86-8	EPA 200.7	J8176-2	04-Aug-05	12-Sep-05	SP114	0805	ח:0	. 20i.ug/l	
Ethylbenzene	100-41-4	EPA 624	J6176-2	04-Aug-05	12-Sep-05	SP114	0806	3.4	15ug/	
:ls-1,3-Dichloropropene	10061-01-6		J6176-2	04-Aug-05	12-Sep-05	SP114	0806	חַס	i Tiug/	
rans-1,3-Dichloropropene	10061-02-8	EPA 824	JB178-2	04-Aug-05	12-Sep-05	SP114	9080	n.o	1/Bn1	
1,4-Dichlorobenzene 106-46-7	108-46-7		J6178-2	04-Aug-05	12-Sep-05	SP114	0805	סמ	i jeug/	
1,2-Dichloroethane 107-06-2	107-08-2	EPA 624	J6176-2	04-Aug-05	12-Sep-05	SP114	0805	nio I	1,00,1	-, -,,
Toluene :108-88-3	108-88-3	EPA 624	JB176-2	04-Aug-05	12-Sep-06	SP114	9080	4.6	1 ug/l	
Chlorobenzene	108-80-7	EPA 624	J6178-2	04-Aug-05	12-Sap-05	SP114	9080		1; ug/l	
Dibromochloromethane 11	124-48-1	EPA 624	J6176-2	04-Aug-05	12-Sap-06	SP114	0805	∩;o	i 1iug/l	
Tetrachloroethene	127-18-4	EPA 624	J6178-2	04-Aug-05	12-Sep-06	SP114	0805	n o	1jng/l	
Xylenes (total)	1330-20-7	EPA 624	J8176-2	04-Aug-05	12-Sep-05	SP114	080E	4.5	1 ug/l	
cis-1,2-Dichlomethene 156-59-2	156-59-2		J6176-2	04-Aug-05	12-Sep-05	SP114	0805	63.4	1;ng/l	
trans-1,2-Dichloroethene :158-50-5	158-60-6	EPA 624	J6176-2	04-Aug-05	12-Sep-05	SP114	0805	1.6	i 1:ug/l	
1,3-Dichlerobonzana	541-73-1	ш	J8178-2	04-Aug-05	12-Sep-05	SP114	0805	Πö	1 ug/l	
Carbon tetrachloride	56-23-5	ш	J6176-2	04-Aug-05	12-Sep-05	SP114	909		1 ug/	
Shloroform	67-66-3	ш,	J6176-2	04-Aug-05	12-Sep-05	SP114	0802	ס	1;ng/	
Benzene 71-43-2	71-43-2	EPA 624	J6176-2	04-Aug-05	12-Sap-05	SP114	0805	80.6	1,00/	
1,1,1-Trichlomethane	71-55-8	EPA 624	J6176-2	04-Aug-05	12-Sap-05	3P114	0805	9.3	1; ng/l	
Methyl bromide	174-83-9	EPA 824	J6178-2	04-Aug-05	12-Sep-05	SP114	0805	n.o	1; ng/l	
Chloromethane ;74-87-3	74-87-3		J6176-2	04-Aug-05	12-Sep-05	SP114	0805	∩.0	1; ug/l	
Chloroethane 175-00-3		EPA 624	J8176-2	04-Aug-05	12-Sep-05	SP114	0805	n.o	1;ng/l	•••
Vinyl chloride	175-01-4	EPA 624	J6176-2	04-Aug-05	12-Sep-05	SP114	0805	102	2; ug/l	••••
Methylene chloride	75-09-2	EPA 624	J6178-2	04-Aug-05	12-Sep-05	SP114	0805	O O	1;ng/l	
Вютогот	76-25-2	EPA 624	J6176-2	04-Aug-05	12-Sep-05	SP114	0805	חס	1; ng/l	
lan.			J6176-2	04-Aug-05	12-Sep-05	SP114	0805	70	1 ug/l	
1,1-Dichloroethane	75-34-3		J6176-2	04-Aug-05	12-Sep-05	SP114	0805	18:	l'an L	,
1,1-Dichloroethene	75-35-4	EPA 624	J6178-2	04-Aug-05	12-Sep-05	SP114	0805	∩.;	1,00,1	
Trichlorofluoromethane	76-69-4	EPA 624	J6176-2	04-Aug-05	12-Sep-05	SP114	9805	n O	2;ng/l	
Dichlorodifluoromethane	75-71-8	EPA 624	J6178-2	04-Aug-05	12-Sep-05	SP114	0805	٥	2:ug/l	
1,2-Dichloropropane	78-87-5	EPA 624	J6176-2	04-Aug-05	12-Sep-05	SP114	9080	 	1 ug/l	••••
1,1,2-Trichloroethane	79-00-5	EPA 624	J8178-2	04-Aug-05	12-Sap-05	SP114	0805) - -	1 ug/l	•••
	79-01-6	EPA 624	J6176-2	04-Aug-05	12-Sep-05	SP114	9805		1 Jug/l	
1,1,2,2-Tetrachloroethane :79-34-5	79-34-5	EPA 624	J6176-2	04-Aug-05	12-Sep-05	SP114	0806	no	1 Lud	
***************************************	A									

Analyte	Casho	Malnot		Jate Salmpled	Calidation Talia	Sample		Gestill (Coole		faild Result Ag	
Ethylbenzene	100-41-4	EPA 624	J8178-3	04-Aug-05	12-Sap-05	 N	TRIP BLANK	Ωįο	1 ug/l		
cis-1,3-Dichloropropene	10081-01-6	EPA 624	J6176-3	04-Aug-05	12-Sep-05	ZN	TRIP BLANK	Ωį	7 mg/L	***************************************	
trans-1,3-Dichloropropene :10061-02-8	10061-02-8	EPA 624	J6178-3	04-Aug-05	12-Sep-05	ž	TRIP BLANK	n:o	1 100/1	· · · · · · · · · · · · · · · · · · ·	
1,4-Dichlorobenzene	108-46-7	EPA 824	J6178-3	04-Aug-05	12-Sep-05	¥	TRIP BLANK	n o	1 ug/		
1,2-Dichloroethane	107-08-2	EPA 624	J6176-3	04-Aug-05	12-Sep-05	Ž	TRIP BLANK	aic	וימטן נ	**************************************	· · · · · · · · · · · · · · · · · · ·
Toluane	108-88-3	EPA 624	J8178-3	04-Aug-05	12-Sep-05	¥	TRIP BLANK:	n o	1 ug/l	*************************	
Chlorobenzene	108-90-7	EPA 624	J8178-3	04-Aug-05	12-Sep-05	Š	TRIP BLANK	O O	1:09/	***************************************	
Dibromochloromethane	124-48-1	EPA 624	J6178-3	04-Aug-05	12-Sep-05	Š	TRIP BLANK:) 0	1 ug/l		
E		EPA 624	J8178-3	04-Aug-05	12-Sep-05	Ž	TRIP BLANK	nio o	1 սց/		
Xylenes (total)	1330-20-7	EPA 624	J6176-3	04-Aug-05	12-Sep-05	ZN	TRIP BLANK:	O.O	1:00/	***************************************	
cis-1,2-Dichlomethene		EPA 624	J8178-3	04-Aug-05	12-Sep-05	¥S	TRIP BLANK	Πio	1.ug/1	•	
trans-1,2-Dichloroethene	156-60-5	EPA 624	J6176-3	04-Aug-05	12-Sep-05	ž	TRIP BLANK:) 0	1007	; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ;	
1,3-Dichlorobenzene	541-73-1	EPA 624	J8178-3	04-Aug-05	12-Sep-05	Ž	TRIP BLANK	o:0	1 ug/l		····
Carbon tetrachloride	56-23-5	EPA 624	J6178-3	04-Aug-05	. 12-Sep-05	ZK	TRIP BLANK	0:0	1 ագո	* * * * * * * * * * * * * * * * * * *	
Chloroform	87-88-3	EPA 624	JB17B-3	04-Aug-05	12-Sep-05	ž	TRIP BLANK	Ωįο	1 ug/l	••••	
Bonzone	71-43-2	EPA 624	J6178-3	04-Aug-05	12-Sep-05	ž	TRIP BLANK	U.O	1; ug/l	***************************************	
1,1,1-Trichloroethane	****	EPA 624	J6176-3	04-Aug-05	12-Sep-05	YY.	TRIP BLANK	ΩįO	1; ug/l		
Methyl bromide	74-83-9	EPA 824	J6178-3	04-Aug-05	12-Sep-05	Ž Š	TRIP BLANK	٥ۊٚۯ	1; ng/l		
Chloromethane	74-87-3	EPA 624	J6176-3	04-Aug-05	12-Sep-05	ž	TRIP BLANK	Ωį	1 ug/l		
Chloroethane	76-00-3	EPA 624	J8176-3	04-Aug-05	12-Sep-05	ž	TRIP BLANK	O:O	յ 1։ ug/l		
Vinyl chloride	75-01-4	EPA 624	J6178-3	04-Aug-05	12-Sep-05	ž	TRIP BLANK	no	2 ug/l		
Methylene chloride	75-09-2	EPA 624	J6176-3	04-Aug-05	12-Sep-05	Š	TRIP BLANK		ייין וומען		
Вготобит	75-25-2	EPA 624	J6176-3	04-Aug-05	12-Sep-05	ž	TRIP BLANK	٥٥	lug/		
Bromodichloromethane	76-27-4	EPA 624	J6178-3	04-Aug-05	12-Sep-05	ž	TRIP BLANK	ņ	TugA	•••	
1,1-Dichloroethane	75-34-3	EPA 624	J6176-3	04-Aug-05	12-Sep-05	ž	TRIP BLANK	o in	tiug/l		
1,1-Dichloroethene	75354	EPA 624	J6176-3	04-Aug-05	12-Sep-05	ž	TRIP BLANK	ŋö	- Jobs		
iuoromet		EPA 624	J6176-3	04-Aug-05	12-Sep-05	Ž	TRIP BLANK	o o	Z, ug/l	•••	•
Dichlorodifluoromethane	75-71-8	EPA 624	J8178-3	04-Aug-05	12-Sep-05	ž	TRIP BLANK	∩;0	Zugi	·- -	
1,2-Dichloropropane	78-87-5	EPA 624	J6176-3	04-Aug-05	12-Sep-05	Z N	TRIP BLANK	n:0	1; ug/]		
1,1,2-Trichloroethane	:79-00-6	EPA 824	J6178-3	04-Aug-05	12-Sep-05	ž	TRIP BLANK	Ωö	1:ug/l		
Trichloroethene	79-01-6	EPA 624	J6176-3	04-Aug-05	12-Sep-05	Ϋ́	TRIP BLANK	0.0	1:ug/l	••••	
1,1,2,2-Tetrachloroethane :79-34-5	79-34-5	EPA 624	J6178-3	04-Aug-05	12-Sep-05	ž	TRIP BLANK	∏. 0	1;ng/l	-,-	
1,2-Dichlorobenzene		EPA 624	J6178-3	04-Aug-05	12-Sep-05	¥	TRIP BLANK		1 ug/l		
Aluminum, Dissolved	7429-90-5	5 EPA 200.7	J6176-1F	04-Aug-05	12-Sep-05	SP219	0805		100 ug/l		
Aluminum, Dissolved	7429-90-5	EPA 200.7	J6176-2F	04-Aug-05	12-Sep-05	SP114	0805	nο	100 ug/l		

DATA USABILITY SUMMARY REPORT FOR SEPTEMBER 2005 MONTHLY COMPLIANCE MONITORING

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

Two groundwater samples and one field QC trip blank were collected from the Former Sinclair Refinery Site in Wellsville, New York on September 6, 2005. These samples were received by Accutest Laboratories (Accutest) within one day of collection on September 7, 2005. 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 1664. 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 # J8870) was received by On-Site within 21 days of sample receipt at the laboratory, reviewed, and validated for custody documentation, holding times, surrogate recoveries, matrix spike/matrix spike duplicate (MS/MSD) recoveries, laboratory control sample (LCS) recoveries, laboratory method blank contamination, trip blank contamination, instrument calibrations, laboratory duplicate precision, quantitation limits, and data completeness. The laboratory sample data were reviewed and may be qualified with the following validation flags:

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

"R" — unusable value.

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

results for samples SP219-0805 and SP114-0805; and the nondetected bromomethane, dichlorodifluoromethane, and trichlorofluoromethane results for sample TRIP BLANK were considered estimated and qualified "UJ" in the "Valid Code" column as a result from data validation.

VOLATILE ORGANIC ANALYSIS

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

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

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

It was noted that there were noncompliant precision (relative percent differences; RPDs) and accuracy (percent recoveries; %Rs) measurements. However, validation qualification of the project samples was not warranted since the MS/MSD samples were not designated spiked project samples.

All LCS recoveries were compliant and within QC acceptance limits with the exception of the high LCS recoveries for bromomethane (154%R; QC limit 66-152%R) and cis-1,2-dichloroethene (120%R; QC limit 74-116%R) associated with sample TRIP BLANK. Validation qualification of this sample was not warranted since these compounds were not detected.

All continuing calibration compounds were compliant with percent differences within ±25% and minimum relative response factors (RRFs) of 0.05 with the exception of chloromethane (-25.5%D) in the continuing calibration associated with samples SP219-0805 and SP114-0805; and bromomethane (-27.7%D), dichlorodifluoromethane (-41%D), and trichlorofluoromethane (-25.1%D) in the continuing calibration associated with TRIP BLANK. Therefore, the results for these noncompliant compounds which were nondetects for the affected samples, were considered estimated and qualified "UJ".

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

INORGANIC AND OIL AND GREASE ANALYSIS

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

Ethylbenzene	160414	EPA 624	J8870-1	06-Sep-05	03-Oct-05	SP219	9080	Ü		
cis-1,3-Dichloropropene :10061-01-5	10061-01-5	EPA 624	J8870-1	06-Sep-05	03-Oct-05	SP219	0805	ÜÜ	1 1 ug/l	
trans-1,3-Dichlompmpene	10061-02-6	EPA 624	J8870-1	08-Sep-05	03-Oct-05	SPZ19	0805	n o	1:00/1	
4-Dichlombenzene		EPA 824	18870-1	08-Sep-05	03-Oct-05	SP219	0805	n o	1:ug/l	
,2-Dichloroethane	107-06-2	EPA 624	J8870-1	08-Sep-05	03-Oct-05	SP219	0805	D:0	1 ug/l	
Toluene	108-88-3	EPA 624	J8870-1	08-Sep-05	03-0ct-05	SP219	0805	Ωio	1 ug/l	***************************************
Chlorobenzene	108-80-7	EPA 824	J8870-1	08-Sep-05	03-Oct-05	SP219	0805	O O	1:09/	
Olbromochloromethane	*****	EPA 824	J8870-1	06-Sep-05	03-Oct-05	SP219	0805	n o	1:ug/l	***************************************
Tetrachloroethene	127-18-4	EPA 624	J8870-1	06-Sep-05	03-Oct-05	SP219	0805	20	1; ng/l	
Xylenes (total)	1330-20-7	EPA 624	J8870-1	08-Sep-05	03-Oct-05	SP219	0805	ÜÜ	1 ug/l	
cis-1,2-Dichloroethene	168-59-2	EPA 624	J8870-1	08-Sep-05	03-Oct-05	SP219	0805	ņo	15ug/	
trans-1,2-Dichloroethene	156-80-6	EPA 624	J8870-1	06-Sep-05	03-Oct-05	SP219	0805	7.0	1 ugu	
1,3-Dichlorobenzene	541-73-1	EPA 624	J8870-1	06-Sep-05	03-Oct-05	SP219	0805	Ωio	1,00/l	***************************************
Carbon tetrachloride	56-23-6	EPA 624	18870-1	06-Sep-05	03-Oct-05	SP219	0805	ດ:ວ	1'ug/l	
Chloraform	67-66-3	EPA 624	J8870-1	06-Sep-05	03-Oct-05	SP219	0805	٥٥	1,0g/l	÷
Вепzэпе	71-43-2	EPA 624	J8870-1	06-Sep-05	03-Oct-05	SP210	0805	n:o	1 ug/l	
1,1,1-Trichloroethane ;71-56-6	71-66-6	EPA 624	J8870-1	06-Sep-05	03-Oct-05	SP219	0805	n o	1 ug/	
Methyl bromide	74-83-9	EPA 624	J8870-1	06-Sep-05	03-Oct-05	SP219	0805	ΩO	1,00,1	
Chloromethane	74-87-3	EPA 624	J8870-1	08-Sep-05	03-Oct-05	SP219	0805	חָם	1 ug/	
Chloroethane 75-00-3	75-00-3	EPA 624	J8870-1	06-Sep-05	03-Oct-05	SP219	0805	ΩĐ	1:00/	
'inyl chloride	75-01-4	EPA 624	J8870-1	06-Sap-05	03-Oct-05	SP218	0805	۵∷	2; ug/l	
lethylene chloride	75-09-2	EPA 624	J8870-1	08-Sep-05	03-Oct-06	SP219	0805	٥٥	1 ug/l	
Вютобит	75-25-2	EPA 824	J8870-1	08-Sap-05	03-Oct-05	SP219	0805	מַּה	1 ug/l	•
Втотофісы 175-27-4	75-27-4	EPA 624	J8870-1	06-Sep-05	03-Oct-05	SP219	0805	O,O	1 ug/l	
1,1-Dichlomethane	75-34-3	EPA 624	J8870-1	06-Sep-05	03-Oct-05	SP219	0805	n;o	1;ug/l	
,1-Dichlomethene	75-35-4	EPA 624	J8870-1	06-Sep-05	03-Oct-05	SP219:	0805	Ωö	1: ug/l	
richlorofluoromethane	76-69-4	EPA 624	J8870-1	06-Sep-06	03-Oct-06	SP219	0805	o C	2; ng/l	
Dichlorodifluoromethane 75-71-8	76-71-8	EPA 824	J8870-1	08-Sep-05	03-Oct-05	SP219	0805	ם פור	2 ug/l	
1,2-Dichlompropane	78-87-5	EPA 624	J8870-1	06-Sep-05	03-Oct-05	SP219	0805	nio i	1 119/1	· · · · · · · · · · · · · · · · · · ·
,1,2-Trichloroethane 79-00-5	79-00-6	EPA 624	18870-1	06-Sep-05	03-Oct-05	SP219	0805	٥٥٦	1/bn L	
fitchloroethene	79-01-8	EPA 624	J8870-1	08-Sep-05	03-Oct-05	SP219	0805	٥٥	1 ug/l	
1,2,2-Tetrachloroethane 79-34-5	70-34-5	EPA 624	J8870-1	08-Sep-05	03-Oct-05	SP219	9806	Ö	1'cg/l	-
,2-Dichlorobenzene	96-60-1	EPA 624	J8870-1	08-Sep-05	03-Oct-05	SP219	0805	O.O	1 ug/l	
ead, Total 7439-92-1	7439-92-1	EPA 200.7	J8870-1A	06-Sep-05	03-Oct-05	SP219	0805	Oö	3:ug/l	
Sopper, Total	7440-50-8	EPA 200.7	J8870-1A	06-Sep-05	03-Oct-05	SP210	0805	nio i	. 26:ug/l	.
ェ		EPA 150.1	J8870-1A	08-Sep-05	03-Oct-05	SP219	0805	7.49	: 20	
XII And Grease		EPA 1664A	J8870-1A	08-Sep-05	03-Oct-05	SP219	0805	O.O	6.1 mg/l	
Numinum, Total	7429-90-5	EPA 200.7	J8870-1A	06-Sep-05	03-Oct-05	SP219	0806	ΩÖ	100 ug/l	
Iron, Total 7439-89-6	7439-89-8	EPA 200.7	J8870-1A	08-Sep-05	03-Oct-06	SP219	9090	203	100 ug/l	
Nickel, Total :7440-02-0	7440-02-0	EPA 200.7	J8870-1A	08-Sep-05	03-Oct-05	: SP219	0805	O:0	40: ug/l	
Araenic, Total	7440-38-2	EPA 200.7	J8870-1A	08-Sep-05	03-Oct-05	SP219	0805	nio	5 ug/l	· · · · · · · · · · · · · · · · · · ·
Chromium, Total	7440-47-3	EPA 200.7	J8870-1A	08-Sap-05	03-Oct-05	SP219:	0805	Ωë	10 ng/l	
Zinc, Total	7440-68-8	EPA 200.7	J8870-1A	08-Sep-05	03-Oct-05	SP219	0805	Ω̈́o	20 ug/l	······································
Cyanide	-12-	EPA 335,3	J8870-1A	08-Sep-05	03-Oct-05	SP219	0805	O:0	0.01 mg/l	
Aliminim Dissolved	7428-80-5 F	EPA 200.7	J8870-1F	08-Sep-05	: 03-Oct-05	SP218	CROS		100:100	

FPA 824 J88702 GR-Sap-OS GR-Oct-OS SP114 Q805 5 EPA 824 J88702 GR-Sap-OS GR-Oct-OS SP114 Q805 6 EPA 824 J88702 GR-Sap-OS GR-Oct-OS SP114 Q805 <			W MOUNT WITH			Validation	Sample	COCHIENT	Kee III Conte	ERESTORIE IV SHOT KING	Attended to the latest
10081-01-5 EPA 624 JB870-2 OB-Sap-05 GB-Oct-05 SP114 OB05 GB-Oct-05 SP114 OB05 GB-Oct-05 SP114 OB05 GB-Sap-05 GB-Oct-05 SP114 OB05 GB-Sap-		18414 4	EPA 624	J8870-2	06-Sep-05	03-Oct-05	SP114	0805	23	1; ug/l	22.00.00 manages of 12.
10061-0246 EPA 624 JB870-2 OB-Sap-D6 GR-Oct-D6 SP114 OBBD 107-0-87 EPA 624 JB870-2 OB-Sap-D6 GR-Oct-D6 SP114 OBBD 107-0-83 EPA 624 JB870-2 OB-Sap-D6 GR-Oct-D6 SP114 OBBD 107-0-84 EPA 624 JB870-2 OB-Sap-D6 GR-Oct-D6 SP114 OBBD 108-0-7 EPA 624 JB870-2 OB-Sap-D6 GR-Oct-D6 SP114 OBBD 127-18-4 EPA 624 JB870-2 OB-Sap-D6 GR-Oct-D6 SP114 OBBD 127-18-4 EPA 624 JB870-2 OB-Sap-D6 GR-Oct-D6 SP114 OBBD 127-18-4 EPA 624 JB870-2 OB-Sap-D6 GR-Oct-D6 SP114 OBBD 116-6-6 EPA 624 JB870-2 OB-Sap-D6 GR-Oct-D6 SP114 OBBD 117-6-6 EPA 624 JB870-2 OB-Sap-D6 GR-Oct-D6 SP114 OBBD 117-6-6-8 EPA 624 JB870-2 OB-Sap-		10061-01-5	EPA 624	J8870-2	08-Sep-05	03-Oct-05	SP114	0805	Ŋΰ	1 ug/l	
108-48-7 EPA 824 48870-2 06-Sep-05 03-Oct-06 SP114 0805 107-08-2 EPA 824 18870-2 06-Sep-06 03-Oct-06 SP114 0805 107-08-2 EPA 824 18870-2 06-Sep-06 03-Oct-06 SP114 0805 108-08-7 EPA 824 18870-2 06-Sep-06 03-Oct-06 SP114 0805 124-48-1 EPA 824 18870-2 06-Sep-06 03-Oct-06 SP114 0805 1320-20-7 EPA 824 18870-2 06-Sep-06 03-Oct-06 SP114 0806 1486-60-7 EPA 824 18870-2 06-Sep-06 03-Oct-06 SP114 0806 1486-60-7 EPA 824 18870-2 06-Sep-06 03-Oct-06 SP114 0806 1486-60-8 EPA 824 18870-2 06-Sep-06 03-Oct-06 SP114 0806 1486-60-8 EPA 824 18870-2 06-Sep-06 03-Oct-06 SP114 0806 1486-60-8 EPA 824 18870-2 0	四	10061-02-6	EPA 624	J8870-2·	08-Sep-05	03-Oct-05	SP114	0805	0.0	Tug/	***************************************
100.10-2. EPA 824 18870-2. O6-Sep-Of O3-Oct-Of SP114 OB06 108-08-3. EPA 824 18870-2. O6-Sep-Of G3-Oct-Of SP114 OB06 108-08-7. EPA 824 18870-2. O6-Sep-Of G3-Oct-Of SP114 OB06 127-18-4. EPA 824 18870-2. O6-Sep-Of G3-Oct-Of SP114 OB06 127-18-4. EPA 824 18870-2. O6-Sep-Of G3-Oct-Of SP114 OB06 127-18-4. EPA 824 18870-2. O6-Sep-Of G3-Oct-Of SP114 OB06 166-52-6. EPA 824 18870-2. O6-Sep-Of G3-Oct-Of SP114 OB06 166-53-6. EPA 824 18870-2. O6-Sep-Of G3-Oct-Of SP114 OB06 167-63-6. EPA 824 18870-2. O6-Sep-Of G3-Oct-Of SP114 OB06 167-63-7. EPA 824 18870-2. O6-Sep-Of G3-Oct-Of SP114 OB06 17-63-2. EPA 824 18870-2. <td>1,4-Dichlorobenzene</td> <td>106-46-7</td> <td>EPA 624</td> <td>JB870-2</td> <td>06-Sep-05</td> <td>03-Oct-05</td> <td>SP114</td> <td>0805</td> <td>O.O.</td> <td>1 ug/l</td> <td></td>	1,4-Dichlorobenzene	106-46-7	EPA 624	JB870-2	06-Sep-05	03-Oct-05	SP114	0805	O.O.	1 ug/l	
109-88-3 EPA 624 J8870-2 OG-Sep-05 GR-Oct-06 SF114 ORGO 1104-88-7 EPA 624 J8870-2 OG-Sep-06 GR-Oct-06 SF114 ORGO 124-81-7 EPA 624 J8870-2 OG-Sep-06 GR-Oct-06 SF114 ORGO 127-18-4 EPA 624 J8870-2 OG-Sep-06 GR-Oct-06 SF114 ORGO 1309-22-7 EPA 624 J8870-2 OG-Sep-06 GR-Oct-06 SF114 ORGO 148-62-2 EPA 624 J8870-2 OG-Sep-06 GR-Oct-06 SF114 ORGO 148-62-2 EPA 624 J8870-2 OG-Sep-06 GR-Oct-06 SF114 ORGO 148-62-4 J8870-2 OG-Sep-06 GR-Oct-06 SF114 ORGO 148-64 BR 702 OG-Sep-06 GR-Oct-06 SF114 ORGO 148-65 BR 702 OG-Sep-06 GR-Oct-06 SF114 ORGO 148-66 BR 702 OG-Sep-06 GR-Oct-06 SF114 ORGO		107-08-2	EPA 824	J8870-2	06-Sep-05	03-Oct-05	SP114	0805	ņ	1,eust	
108-07 EPA 624 J8870-2 GG-Sap-G6 GR-Oct-G6 SF114 G805 174-8-1 EPA 624 J8870-2 GG-Sap-G6 GR-Oct-G6 SF114 G806 174-8-1 EPA 624 J8870-2 GG-Sap-G6 GR-Oct-G6 SF114 G806 1350-20-7 EPA 624 J8870-2 GG-Sap-G6 GR-Oct-G6 SF114 G806 148-62-2 EPA 624 J8870-2 GG-Sap-G6 GR-Oct-G6 SF114 G806 148-62-2 EPA 624 J8870-2 GG-Sap-G6 GR-Oct-G6 SF114 G806 148-62-2 EPA 624 J8870-2 GG-Sap-G6 GR-Oct-G6 SF114 G806 148-6-2 L8870-2 GG-Sap-G6 GR-Oct-G6 SF114 G806	Toluene	108-88-3	EPA 624	J8870-2	06-Sep-05	03-Oct-05	SP114	0805	4.3	T, ug/l	
127-48-1 EPA 624 JBB70-2 GB-8p-05 GB-0ct-05 SP114 127-18-4 EPA 624 JBB70-2 GB-8p-05 GB-0ct-05 SP114 127-18-4 EPA 624 JBB70-2 GB-8p-06 GB-0ct-05 SP114 130-20-7 EPA 624 JBB70-2 GB-8p-06 GB-0ct-05 SP114 166-60-2 EPA 624 JBB70-2 GB-8p-06 GB-0ct-05 SP114 66-73-5 EPA 624 JBB70-2 GB-8p-06 GB-0ct-05 SP114 66-73-5 EPA 624 JBB70-2 GB-8p-06 GB-0ct-05 SP114 71-42-2 EPA 624 JBB70-2 GB-8p-05 GB-0ct-05 SP114 71-43-5 EPA 624 JBB70-2 GB-8p-05 GB-0ct-05 SP114 71-43-6 EPA 624 JBB70-2 GB-8p-05 GB-0ct-05 SP114 7-60-3 EPA 624 JBB70-2 GB-8p-05 GB-0ct-05 SP114 7-60-3 EPA 624 JBB70-2 GB-8p-05 GB-0ct-05 SP114	Chlorobenzene	108-90-7	EPA 624	J8870-2	06-Sep-05	03-Oct-05	SP114	0805	0.86.J	fug/	
127-18-4 EPA 624 JB870-2 G8-8ep-05 G3-Oct-05 SP114 130-20-7 EPA 624 JB870-2 G8-8ep-05 G3-Oct-05 SP114 148-62-2 EPA 624 JB870-2 G8-Sep-06 G3-Oct-05 SP114 168-62-2 EPA 624 JB870-2 G8-Sep-06 G3-Oct-05 SP114 168-63-6 EPA 624 JB870-2 G8-Sep-06 G3-Oct-05 SP114 66-63-6 EPA 624 JB870-2 G8-Sep-06 G3-Oct-05 SP114 71-45-8 EPA 624 JB870-2 G8-Sep-05 G3-Oct-05 SP114 71-45-8 EPA 624 JB870-2 G8-Sep-05 G3-Oct-05 SP114 71-45-9 EPA 624 JB870-2 G8-Sep-05 G3-Oct-05 SP114 71-47-3 EPA 624 JB870-2 G8-Sep-05 G3-Oct-05 SP114 76-03-4 EPA 624 JB870-2 G8-Sep-05 G3-Oct-05 SP114 76-03-4 EPA 624 JB870-2 G8-Sep-05 G3-Oct-05 SP114 <td>Dibromochloromethane</td> <td>124-48-1</td> <td>EPA 624</td> <td>J8870-2</td> <td>08-Sep-05</td> <td>03-Oct-05</td> <td>SP114</td> <td>0805</td> <td>∩.o</td> <td>Tugil</td> <td>***************************************</td>	Dibromochloromethane	124-48-1	EPA 624	J8870-2	08-Sep-05	03-Oct-05	SP114	0805	∩.o	Tugil	***************************************
1330-20-7 EPA 624 J8870-2 G8-59p-05 G3-0-t-05 SP114 146-69-0 166-60-2 EPA 624 J8870-2 G8-58p-05 G3-0-t-05 SP114 166-69-0 166-60-3 EPA 624 J8870-2 G8-58p-05 G3-0-t-05 SP114 166-69-0 166-60-3 EPA 624 J8870-2 G8-58p-05 G3-0-t-05 SP114 174-63-0 167-68-3 EPA 624 J8870-2 G8-58p-05 G3-0-t-05 SP114 174-63-0 17-45-6 EPA 624 J8870-2 G8-58p-05 G3-0-t-05 SP114 174-63-0 17-45-6 EPA 624 J8870-2 G8-58p-05 G3-0-t-05 SP114 174-60-0 17-45-6 EPA 624 J8870-2 G8-58p-05 G3-0-t-05 SP114 176-71-4 17-45-6 EPA 624 J8870-2 G8-58p-05 G3-0-t-05 SP114 176-71-4 17-50-3 EPA 624 J8870-2 G8-58p-05 G3-0-t-05 SP114 176-71-4 17-50-4 EPA 624 <		127-18-4	EPA 624	J8870-2	08-Sep-05	03-Oct-05	SP114:	0805	n o	Įng/	
168-50-2 EPA 824 18870-2 06-89-06 03-0ct-06 SP114 168-50-5 EPA 824 18870-2 06-89-06 03-0ct-06 SP114 168-20-6 EPA 824 18870-2 06-89-06 03-0ct-06 SP114 66-23-6 EPA 824 18870-2 06-89-06 03-0ct-06 SP114 71-43-2 EPA 824 18870-2 06-89-06 03-0ct-06 SP114 76-03-3 EPA 824 18870-2 06-89-06 03-0ct-06 SP114 76-03-4 EPA 824 18870-2 06-89-06 03-0ct-06 SP114 76-03-4 EPA 824 18870-2 06-89-06 03-0ct-06 SP114	Xylenes (total)	1330-20-7	EPA 624	J8870-2	06-Sep-05	03-Oct-05	SP114	0805	5.5	1 ug/l	
1870-5 EPA 824 18870-2 06-89p-06 05-0ct-06 SP114 64-73-1 EPA 824 J8870-2 06-89p-05 05-0ct-06 SP114 64-73-1 EPA 824 J8870-2 06-89p-06 05-0ct-06 SP114 67-88-3 EPA 824 J8870-2 06-89p-06 03-0ct-06 SP114 71-63-2 EPA 824 J8870-2 06-89p-06 03-0ct-06 SP114 71-65-8 EPA 824 J8870-2 06-89p-06 03-0ct-06 SP114 74-83-9 EPA 824 J8870-2 08-89p-06 03-0ct-06 SP114 76-03-2 EPA 824 J8870-2 08-89p-06 03-0ct-06 SP114 76-03-2 EPA 824 J8870-2 08-89p-06 03-0ct-06 SP114 76-03-2 EPA 824 J8870-2 08-89p-06 03-0ct-06 SP114 76-36-4 EPA 824 J8870-2 08-89p-06 03-0ct-06 SP114 76-36-4 EPA 824 J8870-2 08-89p-06 03-0ct-06 SP114	cis-1,2-Dichlomethene	158-50-2	EPA 824	J8870-2	08-Sep-05	03-Oct-05	SP114	0805	25.2	1,00/	
641-75-1 EPA 624 JB870-2 OG-Sap-06 GS-Oct-06 SP114 66-23-6 EPA 624 JB870-2 OG-Sap-06 GS-Oct-06 SP114 67-68-3 EPA 624 JB870-2 OG-Sap-06 GG-Oct-06 SP114 71-43-2 EPA 624 JB870-2 OG-Sap-06 GG-Oct-06 SP114 71-43-2 EPA 624 JB870-2 OG-Sap-06 GG-Oct-06 SP114 71-43-2 EPA 624 JB870-2 OG-Sap-06 GG-Oct-06 SP114 74-87-3 EPA 624 JB870-2 OG-Sap-06 GG-Oct-06 SP114 76-03-2 EPA 624 JB870-2 OG-Sap-06 GG-Oct-06 SP114		158-80-5	EPA 624	J8870-2	08-Sep-05	03-Oct-05	SP114	0805	O O	1,00/l	
6B-23-5 EPA 624 JB870-2 UR-Sap-05 UR-Oct-05 SP114 6F-86-3 EPA 624 JB870-2 UR-Sap-05 UR-Oct-05 SP114 71-85-3 EPA 624 JB870-2 UR-Sap-05 UR-Oct-05 SP114 71-85-8 EPA 624 JB870-2 UR-Sap-05 UR-Oct-05 SP114 71-85-8 EPA 624 JB870-2 UR-Sap-05 UR-Oct-05 SP114 71-85-8 EPA 624 JB870-2 UR-Sap-05 UR-Oct-05 SP114 71-90-3 EPA 624 JB870-2 UR-Sap-05 UR-Oct-05 SP114 76-01-4 EPA 624 JB870-2 UR-Sap-05 UR-Oct-05 SP114		541-73-1	EPA 624	J8870-2	06-Sep-05	03-Oct-05	SP114	0805	ņ	1/Bn1	
67-86-3 EPA 624 J8870-2 U6-Sap-05 U3-Oct-05 SP114 71-43-2 EPA 624 J8870-2 U6-Sap-05 U3-Oct-05 SP114 71-43-2 EPA 624 J8870-2 U8-Sap-05 U3-Oct-05 SP114 74-83-0 EPA 624 J8870-2 U8-Sap-05 U3-Oct-05 SP114 74-87-3 EPA 624 J8870-2 U8-Sap-05 U3-Oct-05 SP114 76-03-4 EPA 624 J8870-2 U8-Sap-05 U3-Oct-05 SP114 76-03-4 EPA 624 J8870-2 U8-Sap-05 U3-Oct-05 SP114 76-03-4 EPA 624 J8870-2 U8-Sap-05 U3-Oct-05 SP114 76-04-4 EPA 624 J8870-2 U8-Sap-05 U3-Oct-05 SP114 76-04-4 EPA 624 J8870-2 U8-Sap-05 U3-Oct-05 SP114 76-34-3 EPA 624 J8870-2 U8-Sap-05 U3-Oct-05 SP114 76-34-3 EPA 624 J8870-2 U8-Sap-05 U3-Oct-05 SP114	Carbon tetrachloride	58-23-5	EPA 624	J8870-2	08-Sep-05	03-Oct-05	SP114	0805	Ωö	1,00.1	
71-43-2 EPA 624 J8870-2 GB-Sep-05 G3-Oct-05 SP114 71-45-6 EPA 624 J8870-2 GB-Sep-05 G3-Oct-05 SP114 71-45-6 EPA 624 J8870-2 GB-Sep-05 G3-Oct-05 SP114 74-83-0 EPA 624 J8870-2 GB-Sep-05 G3-Oct-05 SP114 74-87-3 EPA 624 J8870-2 GB-Sep-05 G3-Oct-05 SP114 76-03-2 EPA 624 J8870-2 GB-Sep-05 G3-Oct-05 SP114 76-03-2 EPA 624 J8870-2 GB-Sep-05 G3-Oct-05 SP114 76-27-3 EPA 624 J8870-2 GB-Sep-05 G3-Oct-05 SP114 76-27-4 EPA 624 J8870-2 GB-Sep-05 G3-Oct-05 SP114 76-34-3 EPA 624 J8870-2 GB-Sep-05 G3-Oct-05 SP114 76-35-4 EPA 624 J8870-2 GB-Sep-05 G3-Oct-05 SP114 76-36-4 EPA 624 J8870-2 GB-Sep-05 G3-Oct-05 SP114			EPA 624	J8870-2	06-Sep-05	03-Oct-05	SP114	0805	מַּת	1001	
71-55-6 EPA B24 JB870-2 06-Sap-05 03-Oct-05 SP114 74-83-9 EPA 824 JB870-2 06-Sap-05 03-Oct-05 SP114 74-83-9 EPA 824 JB870-2 06-Sap-05 03-Oct-05 SP114 74-87-3 EPA 824 JB870-2 06-Sap-05 03-Oct-05 SP114 76-03-3 EPA 824 JB870-2 06-Sap-05 03-Oct-05 SP114 76-03-4 EPA 824 JB870-2 06-Sap-05 03-Oct-05 SP114 76-03-4 EPA 824 JB870-2 06-Sap-05 03-Oct-05 SP114 76-24-3 EPA 824 JB870-2 06-Sap-05 03-Oct-05 SP114 76-34-3 EPA 824 JB870-2 06-Sap-05 03-Oct-05 SP114 76-34-3 EPA 824 JB870-2 06-Sap-05 03-Oct-05 SP114 76-34-3 EPA 824 JB870-2 06-Sap-05 03-Oct-05 SP114 76-34-4 EPA 824 JB870-2 06-Sap-05 03-Oct-05 SP114			EPA 624	J8870-2	06-Sep-05	03-Oct-05	SP114	0805	. 66	1109/	· · · · · · · · · · · · · · · · · · ·
74.83-9 EPA 6224 J8870-2 06.Sep-05 03-Oct-05 SP114 74.87-3 EPA 824 J8870-2 06.Sep-05 03-Oct-05 SP114 74.87-3 EPA 824 J8870-2 06.Sep-05 03-Oct-05 SP114 76.03-3 EPA 824 J8870-2 06.Sep-05 03-Oct-05 SP114 76.03-2 EPA 824 J8870-2 06.Sep-05 03-Oct-05 SP114 76.03-2 EPA 824 J8870-2 06.Sep-05 03-Oct-05 SP114 76.24-3 EPA 824 J8870-2 06.Sep-05 03-Oct-05 SP114 76.24-3 EPA 824 J8870-2 06.Sep-05 03-Oct-05 SP114 76.71-8 EPA 824 J8870-2 06.Sep-05 03-Oct-05 SP114 76-71-8 EPA 824 J8870-2 06.Sep-05 03-Oct-05 SP114 76-71-8 EPA 824 J8870-2 06.Sep-05 03-Oct-05 SP114 76-71-8 EPA 824 J8870-2 06.Sep-05 03-Oct-05 SP114	1,1,1-Trichlomethane		EPA 624	J8870-2	08-Sep-05	03-Oct-05	SP114	0805	6.7	1,00,1	
74-87-3 EPA 824 J8870-2 OB-Sep-O5 G3-Oct-O5 SP114 76-03-3 EPA 824 J8870-2 OB-Sep-O5 G3-Oct-O5 SP114 76-03-3 EPA 824 J8870-2 OB-Sep-O5 G3-Oct-O5 SP114 76-03-2 EPA 824 J8870-2 OB-Sep-O5 G3-Oct-O5 SP114 76-03-2 EPA 824 J8870-2 OB-Sep-O5 G3-Oct-O5 SP114 76-24-3 EPA 824 J8870-2 OB-Sep-O5 G3-Oct-O5 SP114 76-34-3 EPA 824 J8870-2 OB-Sep-O5 G3-Oct-O5 SP114 76-71-8 EPA 624 J8870-2 OB-Sep-O5 G3-Oct-O5 SP114 76-71-8 EPA 624 J8870-2 OB-Sep-O5 G3-Oct-O5 SP114 78-05-6 EPA 624 J8870-2 OB-Sep-O5 G3-Oct-O5 SP114 78-05-6 EPA 624 J8870-2 OB-Sep-O5 G3-Oct-O5 SP114 78-05-6 EPA 624 J8870-2 OB-Sep-O5 G3-Oct-O5 SP114	Methyl bromide	74-83-0	EPA 624	J8870-2	08-Sep-05	03-Oct-05	SP114	0805	U.O	l'guit	
76-00-3 EPA 024 J0870-2 OB-Sep-05 G3-Oct-05 SP114 76-01-4 EPA 624 J0870-2 OB-Sep-05 G3-Oct-05 SP114 76-03-2 EPA 624 J0870-2 OB-Sep-05 G3-Oct-05 SP114 76-03-2 EPA 624 J0870-2 OB-Sep-05 G3-Oct-05 SP114 76-27-4 EPA 624 J0870-2 OB-Sep-05 G3-Oct-05 SP114 76-37-4 EPA 624 J0870-2 OB-Sep-05 G3-Oct-05 SP114 76-37-4 EPA 624 J0870-2 OB-Sep-05 G3-Oct-05 SP114 76-37-6 EPA 624 J0870-2 OB-Sep-05 G3-Oct-05 SP114 76-71-8 EPA 624 J0870-2 OB-Sep-05 G3-Oct-05 SP114 78-00-6 EPA 624 J0870-2 OB-Sep-05 G3-Oct-05 SP114 78-00-6 EPA 624 J0870-2 OB-Sep-05 G3-Oct-05 SP114 78-00-6 EPA 624 J0870-2 OB-Sep-05 G3-Oct-05 SP114			EPA 824	J8870-2	08-Sep-05	03-Oct-05	SP114	0805	nio i	1/8n; L	3
76-01-4 EPA 824 J8870-2 OB-Sep-05 GS-Oct-05 SP114 76-08-2 EPA 824 J8870-2 OB-Sep-05 GS-Oct-05 SP114 76-08-2 EPA 824 J8870-2 OB-Sep-05 GS-Oct-05 SP114 76-27-4 EPA 824 J8870-2 OB-Sep-05 GS-Oct-05 SP114 75-37-3 EPA 824 J8870-2 OB-Sep-05 GS-Oct-05 SP114 75-34-3 EPA 824 J8870-2 OB-Sep-05 GS-Oct-05 SP114 76-71-8 EPA 624 J8870-2 OB-Sep-05 GS-Oct-05 SP114 76-71-8 EPA 624 J8870-2 OB-Sep-05 GS-Oct-05 SP114 76-71-8 EPA 624 J8870-2 OB-Sep-05 GS-Oct-05 SP114 76-71-9 EPA 624 J8870-2 OB-Sep-05 GS-Oct-05 SP114 76-71-9 EPA 624 J8870-2 OB-Sep-05 GS-Oct-05 SP114 74-0-6 EPA 624 J8870-2 OB-Sep-05 GS-Oct-05 SP114	Chloroethane		EPA 624	J6870-2	08-Sep-05	03-Oct-05	: SP114	0805	nio i	1 ug/l	
76-08-2 EPA 624 JA870-2 OR-Sep-05 G3-Oct-05 SP114 76-25-2 EPA 624 JA870-2 OR-Sep-05 G3-Oct-05 SP114 76-25-2 EPA 624 JA870-2 OR-Sep-05 G3-Oct-05 SP114 75-37-4 EPA 624 JA870-2 OR-Sep-05 G3-Oct-05 SP114 75-36-4 EPA 624 JA870-2 OR-Sep-05 G3-Oct-05 SP114 75-36-4 EPA 624 JA870-2 OR-Sep-05 G3-Oct-05 SP114 76-71-8 EPA 624 JA870-2 OR-Sep-05 G3-Oct-05 SP114 76-71-8 EPA 624 JA870-2 OR-Sep-05 G3-Oct-05 SP114 76-01-6 EPA 624 JA870-2 OR-Sep-05 G3-Oct-05 SP114 76-01-6 EPA 624 JA870-2 OR-Sep-05 G3-Oct-05 SP114 74-0-60-8 EPA 200.7 JA870-2A OR-Sep-05 G3-Oct-05 SP114 74-0-60-8 EPA 200.7 JA870-2A OR-Sep-05 G3-Oct-05 SP1	Vinyl chloride		EPA 824	J8870-2	08-Sep-05	03-Oct-05	SP114	0806	79.3	2 ug/l	
75-25-2 EPA 624 J8870-2 OR-Sep-05 G3-Oct-05 SP114 75-27-4 EPA 624 J8870-2 OR-Sep-05 G3-Oct-05 SP114 75-27-4 EPA 624 J8870-2 OR-Sep-05 G3-Oct-05 SP114 75-34-3 EPA 624 J8870-2 OR-Sep-05 G3-Oct-05 SP114 75-35-4 EPA 624 J8870-2 OR-Sep-05 G3-Oct-05 SP114 75-69-4 EPA 624 J8870-2 OR-Sep-05 G3-Oct-05 SP114 76-67-8 EPA 624 J8870-2 OR-Sep-05 G3-Oct-05 SP114 76-67-8 EPA 624 J8870-2 OR-Sep-05 G3-Oct-05 SP114 76-67-1 EPA 624 J8870-2 OR-Sep-05 G3-Oct-05 SP114 76-67-1 EPA 624 J8870-2 OR-Sep-05 G3-Oct-05 SP114 74-0-6 EPA 620 J8870-2 OR-Sep-05 G3-Oct-05 SP114 74-0-60-8 EPA 200 J8870-2A OR-Sep-05 G3-Oct-05 SP114	Methylene chloride		EPA 624	JB870-2	08-Sep-05	89-00F06	SP114	0805	nio	1'ug/l	
75-27-4 EPA 624 J8870-2 06-Sep-05 03-Oct-05 SP114 75-34-3 EPA 824 J8870-2 06-Sep-05 03-Oct-05 SP114 75-34-3 EPA 824 J8870-2 06-Sep-05 03-Oct-05 SP114 75-34-4 EPA 624 J8870-2 06-Sep-05 03-Oct-05 SP114 75-31-8 EPA 624 J8870-2 06-Sep-05 03-Oct-05 SP114 76-71-8 EPA 624 J8870-2 06-Sep-05 03-Oct-05 SP114 76-01-6 EPA 624 J8870-2 06-Sep-05 03-Oct-05 SP114 76-01-6 EPA 624 J8870-2 06-Sep-05 03-Oct-05 SP114 76-01-6 EPA 624 J8870-2 06-Sep-05 03-Oct-05 SP114 78-34-5 EPA 624 J8870-2 06-Sep-05 03-Oct-05 SP114 7440-60-8 EPA 200.7 J8870-2A 06-Sep-05 03-Oct-05 SP114 7440-60-8 EPA 200.7 J8870-2A 06-Sep-05 03-Oct-05 SP1	Вготобот	****	EPA 624	J8870-2	08-Sep-05	G3-Oct-05	SP114	0805	n.o	1,0g/l	
75-34-3 EPA 824 JB870-2 06-Sap-05 CG-0ch/05 SP114 75-36-4 EPA 824 JB870-2 06-Sap-05 03-Och-05 SP114 75-36-4 EPA 624 JB870-2 06-Sap-05 03-Och-05 SP114 76-51-8 EPA 624 JB870-2 06-Sap-05 03-Och-05 SP114 76-71-8 EPA 624 JB870-2 06-Sap-05 03-Och-05 SP114 70-00-6 EPA 624 JB870-2 06-Sap-05 03-Och-05 SP114 70-01-6 EPA 624 JB870-2 06-Sap-05 03-Och-05 SP114 70-01-6 EPA 624 JB870-2 06-Sap-05 03-Och-05 SP114 70-01-6 EPA 624 JB870-2 06-Sap-05 03-Och-05 SP114 749-60-7 EPA 200.7 JB870-2A 06-Sap-05 03-Och-05 SP114 740-60-8 EPA 200.7 JB870-2A 06-Sap-05 03-Och-05 SP114 740-60-8 EPA 200.7 JB870-2A 06-Sap-05 03-Och-05 S	Bromodichloromethane	****	EPA 624	J8870-2	06-Sep-05	03-Oct-05	SP114	0805	ΠO	ויחון	
75-36-4 EPA 624 J8870-2 08-Sap-05 GG-Oct-05 SP114 75-69-4 EPA 624 J8870-2 08-Sap-05 GG-Oct-05 SP114 75-69-4 EPA 624 J8870-2 08-Sap-05 GG-Oct-05 SP114 76-71-8 EPA 624 J8870-2 08-Sap-05 GG-Oct-05 SP114 79-00-6 EPA 624 J8870-2 08-Sap-05 GG-Oct-05 SP114 79-00-6 EPA 624 J8870-2 08-Sap-05 GG-Oct-05 SP114 79-00-6 EPA 624 J8870-2 08-Sap-05 GG-Oct-05 SP114 79-34-6 EPA 624 J8870-2 08-Sap-05 GG-Oct-05 SP114 743-60-1 EPA 620 J8870-2 08-Sap-05 GG-Oct-05 SP114 7440-60-8 EPA 200.7 J8870-2A 08-Sap-05 GG-Oct-05 SP114 7440-60-8 EPA 200.7 J8870-2A 08-Sap-05 GG-Oct-05 SP114 7440-60-8 EPA 200.7 J8870-2A 08-Sap-05 GG-Oct-05 <	1.1-Dichloroethane		EPA 624	J8870-2	08-Sep-05	03-Oct-05	SP114	0805	11.2	1 ug/l	
75 GB-4 EPA 624 JA870-2 OR-Sep-05 GS-Ct-05 SP114 76-71-8 EPA 624 JA870-2 OR-Sep-05 G3-Oct-05 SP114 76-67-8 EPA 624 JA870-2 OR-Sep-05 G3-Oct-05 SP114 76-07-6 EPA 624 JA870-2 OR-Sep-05 G3-Oct-05 SP114 76-07-6 EPA 624 JA870-2 OR-Sep-05 G3-Oct-05 SP114 76-07-6 EPA 624 JA870-2 OR-Sep-05 G3-Oct-05 SP114 76-07-7 EPA 624 JA870-2 OR-Sep-05 G3-Oct-05 SP114 7439-62-1 EPA 620 JA870-2 OR-Sep-05 G3-Oct-05 SP114 7440-60-8 EPA 200.7 JA870-2A OR-Sep-05 G3-Oct-05 SP114 7440-60-8 EPA 200.7 JA870-2A OR-Sep-05 G3-Oct-05 SP114 7440-60-8 EPA 200.7 JA870-2A OR-Sep-05 G3-Oct-05 SP114 7440-02.0 EPA 200.7 JA870-2A OR-Sep-05 G3-Oct-05	1,1-Dichloroethene		EPA 624	J8870-2	08-Sep-05	03-Oct-06	SP114	0805	ΠÖ	1 ug/l	
76-71-8 EPA 624 J8870-2 Q6-Sep-05 G3-Oct-05 SP114 76-87-5 EPA 624 J8870-2 G6-Sep-05 G3-Oct-05 SP114 76-67-6 EPA 624 J8870-2 G6-Sep-05 G3-Oct-05 SP114 76-01-6 EPA 624 J8870-2 G6-Sep-05 G3-Oct-05 SP114 76-01-6 EPA 624 J8870-2 G6-Sep-05 G3-Oct-05 SP114 76-01-6 EPA 624 J8870-2 G6-Sep-05 G3-Oct-05 SP114 743-60-1 EPA 620 J8870-2A G6-Sep-05 G3-Oct-05 SP114 7440-60-8 EPA 200.7 J8870-2A G6-Sep-05 G3-Oct-05 SP114 7440-60-8 EPA 200.7 J8870-2A G6-Sep-05 G3-Oct-05 SP114 7429-60-6 EPA 200.7 J8870-2A G6-Sep-05 G3-Oct-05 SP114 7440-02-0 EPA 200.7 J8870-2A G6-Sep-05 G3-Oct-05 SP114 7440-03-0 EPA 200.7 J8870-2A G6-Sep-05 G3-Oct-05 <td>Trichlorofluoromethane</td> <td>75-69-4</td> <td>EPA 624</td> <td>J8870-2</td> <td>08-Sep-05</td> <td>03-Oct-05</td> <td>SP114</td> <td>0805</td> <td>O:O</td> <td>2;ng/l</td> <td>. .</td>	Trichlorofluoromethane	75-69-4	EPA 624	J8870-2	08-Sep-05	03-Oct-05	SP114	0805	O:O	2;ng/l	. .
78-67-5 EPA 624 J8870-2 08-Sep-05 03-Oct-05 SP114 76-00-6 EPA 624 J8870-2 05-Sep-05 03-Oct-05 SP114 76-00-6 EPA 624 J8870-2 05-Sep-05 03-Oct-05 SP114 76-01-6 EPA 624 J8870-2 06-Sep-05 03-Oct-05 SP114 76-34-6 EPA 624 J8870-2 06-Sep-05 03-Oct-05 SP114 96-60-1 EPA 624 J8870-2 06-Sep-05 03-Oct-05 SP114 1440-60-8 EPA 200.7 J8870-2A 06-Sep-05 03-Oct-05 SP114 1440-60-8 EPA 200.7 J8870-2A 06-Sep-05 03-Oct-05 SP114 1440-60-8 EPA 200.7 J8870-2A 06-Sep-05 03-Oct-05 SP114 1440-02-0 EPA 200.7 J8870-2A 06-Sep-05 03-Oct-05 SP114 1440-02-0 EPA 200.7 J8870-2A 06-Sep-05 03-Oct-05 SP114 1440-03-0 EPA 200.7 J8870-2A 06-Sep-05 03-Oct-05<	Dichlorodifluoromethane	76-71-8	EPA 624	J8870-2	08-Sep-05	03-Oct-06	SP114	0806	7.0	Zing/	
79-05-5 EPA 624 J8870-2 06-Sap-05 03-Oct-05 SP114 79-01-6 EPA 624 J8870-2 06-Sap-05 03-Oct-05 SP114 79-01-6 EPA 624 J8870-2 06-Sap-05 03-Oct-05 SP114 7-3-4-5 EPA 624 J8870-2 06-Sap-05 03-Oct-05 SP114 96-60-1 EPA 200.7 J8870-2A 06-Sap-05 03-Oct-05 SP114 7439-67-8 EPA 200.7 J8870-2A 06-Sap-05 03-Oct-05 SP114 7429-60-6 EPA 200.7 J8870-2A 06-Sap-05 03-Oct-05 SP114 7429-60-6 EPA 200.7 J8870-2A 06-Sap-05 03-Oct-05 SP114 7440-02-0 EPA 200.7 J8870-2A 06-Sap-05 03-Oct-05 SP114 7440-03-0 EPA 200.7 J8870-2A 06-Sap-05 03-Oct-05 SP114 7440-03-2 EPA 200.7 J8870-2A 06-Sap-05 03-Oct-05 SP114 7440-03-8 EPA 200.7 J8870-2A 06-Sap-05 03	1,2-Dichloropropane	78-87-5	EPA 624	J8870-2	06-Sep-05	03-0-0-05	SP114	0805	n.o	1 ug/l	
79-01-6 EPA 624 J8870-2 O6-Sap-05 G3-Oct-05 SP114 79-34-5 EPA 624 J8870-2 O6-Sap-05 03-Oct-05 SP114 96-60-1 EPA 624 J8870-2 O6-Sap-05 03-Oct-05 SP114 1439-62-1 EPA 200.7 J8870-2A O6-Sap-05 03-Oct-05 SP114 7440-60-8 EPA 200.7 J8870-2A O6-Sap-05 03-Oct-05 SP114 7420-60-8 EPA 200.7 J8870-2A O6-Sap-05 03-Oct-05 SP114 7420-60-6 EPA 200.7 J8870-2A O6-Sap-05 03-Oct-05 SP114 7440-02-0 EPA 200.7 J8870-2A O6-Sap-05 03-Oct-05 SP114 7440-02-0 EPA 200.7 J8870-2A O6-Sap-05 03-Oct-05 SP114 7440-02-0 EPA 200.7 J8870-2A O6-Sap-05 03-Oct-05 SP114 7440-03-2 EPA 200.7 J8870-2A O6-Sap-05 03-Oct-05 SP114 7440-03-6 EPA 200.7 J8870-2A O6-Sap-05	1,1,2-Trichloroethane	79-00-6	EPA 624	J8870-2	06-Sep-05	d3-Oct-05	SP114	0805	O C	านอก	
79-34-5 EPA 624 J8870-2 06-Sep-05 03-Oct-05 SP114 96-50-1 EPA 624 J8870-2 08-Sep-05 03-Oct-05 SP114 749-60-8 EPA 200.7 J8870-2A 06-Sep-05 03-Oct-05 SP114 740-60-8 EPA 200.7 J8870-2A 06-Sep-05 03-Oct-05 SP114 740-60-8 EPA 200.7 J8870-2A 06-Sep-05 03-Oct-05 SP114 743-60-6 EPA 200.7 J8870-2A 06-Sep-05 03-Oct-05 SP114 740-02-0 EPA 200.7 J8870-2A 06-Sep-05 03-Oct-05 SP114 740-02-0 EPA 200.7 J8870-2A 06-Sep-05 03-Oct-05 SP114 740-02-0 EPA 200.7 J8870-2A 06-Sep-05 03-Oct-05 SP114 740-03-0 EPA 200.7 J8870-2A 06-Sep-05 03-Oct-05 SP114 740-05-6 EPA 200.7 J8870-2A 06-Sep-05 03-Oct-05 SP114		••••	EPA 624	J8870-2	06-Sep-05	03-Oct-05	SP114	0805	O O	1,00,1	
06-50-1 EPA 824 J8870-2 08-Sep-05 G3-Oct-05 SP114 7439-02-1 EPA 200.7 J8870-2A 06-Sep-05 03-Oct-05 SP114 7440-60-8 EPA 200.7 J8870-2A 06-Sep-05 03-Oct-05 SP114 7429-90-6 EPA 200.7 J8870-2A 06-Sep-05 03-Oct-05 SP114 7439-80-8 EPA 200.7 J8870-2A 06-Sep-05 03-Oct-05 SP114 7440-02-0 EPA 200.7 J8870-2A 06-Sep-05 03-Oct-05 SP114 7440-02-0 EPA 200.7 J8870-2A 06-Sep-05 03-Oct-05 SP114 7440-02-0 EPA 200.7 J8870-2A 06-Sep-05 03-Oct-05 SP114 7440-03-2 EPA 200.7 J8870-2A 06-Sep-05 03-Oct-05 SP114 7440-06-6 EPA 200.7 J8870-2A 06-Sep-05 03-Oct-05 SP114	1,1,2,2-Tetrachloroethane	79-34-5	EPA 624	J8870-2	06-Sep-05	03-Oct-05	SP114	0805	ΠO	1,00/	
7439-92-1 EPA 200.7 J8870-2A 06-Sep-05 03-Oct-05 SP114 7440-60-8 EPA 200.7 J8870-2A 06-Sep-05 03-Oct-05 SP114 EPA 150.1 J8870-2A 06-Sep-05 03-Oct-05 SP114 7429-90-6 EPA 200.7 J8870-2A 06-Sep-05 03-Oct-05 SP114 7439-89-8 EPA 200.7 J8870-2A 06-Sep-05 03-Oct-05 SP114 7440-02-0 EPA 200.7 J8870-2A 06-Sep-05 03-Oct-05 SP114 7440-38-2 EPA 200.7 J8870-2A 06-Sep-05 03-Oct-05 SP114 7440-46-3 EPA 200.7 J8870-2A 06-Sep-05 03-Oct-05 SP114 7440-66-5 EPA 200.7 J8870-2A 06-Sep-05 03-Oct-05 SP114	1,2-Dichlorobenzene	95-50-1	EPA 824	J8870-2	08-Sep-05	03-Oct-05	SP114	0805	Πō	1 ug/	
740-60-8 EPA 200.7 J8870-2A 06-Sep-05 03-Oct-05 SP114 EPA 160.1 J8870-2A 06-Sep-05 03-Oct-05 SP114 7429-60-6 EPA 200.7 J8870-2A 06-Sep-05 03-Oct-05 SP114 7439-89-8 EPA 200.7 J8870-2A 06-Sep-05 03-Oct-05 SP114 7440-02-0 EPA 200.7 J8870-2A 06-Sep-05 03-Oct-05 SP114 7440-38-2 EPA 200.7 J8870-2A 06-Sep-05 03-Oct-05 SP114 7440-46-5 EPA 200.7 J8870-2A 06-Sep-05 03-Oct-05 SP114 7440-66-5 EPA 200.7 J8870-2A 06-Sep-05 03-Oct-05 SP114	Lead, Total		EPA 200.7	J8870-2A	06-Sep-05	03-Oct-05	SP114	0805	në.	3:ug/l	
EPA 160.1 JB870-2A 06-Sep-05 03-Oct-05 SP114 7429-80-6 EPA 200.7 J8870-2A 08-Sep-05 03-Oct-05 SP114 7439-89-8 EPA 200.7 J8870-2A 08-Sep-05 03-Oct-05 SP114 7440-02-0 EPA 200.7 J8870-2A 08-Sep-05 03-Oct-05 SP114 7440-32-2 EPA 200.7 J8870-2A 08-Sep-05 03-Oct-05 SP114 7440-48-5 EPA 200.7 J8870-2A 08-Sep-05 03-Oct-05 SP114 7440-46-5 EPA 200.7 J8870-2A 08-Sep-05 03-Oct-05 SP114	Copper, Total		EPA 200.7	J8870-2A	08-Sep-05	03-Oct-05	SP114	0805	n;o	25 ug/l	••••
7429-80-6 EPA 200.7 J8870-2A 06-Sep-05 03-Oct-05 SP114 7439-89-8 EPA 200.7 J8870-2A 06-Sep-05 03-Oct-05 SP114 7440-02-0 EPA 200.7 J8870-2A 06-Sep-05 03-Oct-05 SP114 7440-38-2 EPA 200.7 J8870-2A 06-Sep-05 03-Oct-05 SP114 7440-86-6 EPA 200.7 J8870-2A 06-Sep-05 03-Oct-05 SP114 7440-86-6 EPA 200.7 J8870-2A 06-Sep-05 03-Oct-05 SP114	H		EPA 150.1	J8870-2A	06-Sep-05	03-Oct-05	SP114	0802	6.52	 	
7439-89-8 EPA 200.7 J8870-2A 08-Sep-05 03-Oct-06 SP114 (7440-02-0 EPA 200.7 J8870-2A 08-Sep-05 03-Oct-05 SP114 (7440-38-2 EPA 200.7 J8870-2A 08-Sep-05 03-Oct-05 SP114 (7440-38-3 EPA 200.7 J8870-2A 08-Sep-05 03-Oct-05 SP114 (7440-86-8 EPA 200.7 J8870-2A 08-Sep-05 03-Oct-05 SP114	:		EPA 200.7	J8870-2A	06-Sep-05	03-Oct-05	SP114	0805	nio i	100:ug/l	
7440-02-0 EPA 200.7 J8870-2A 06-Sep-05 03-Oct-05 SP114 7440-38-2 EPA 200.7 J8870-2A 06-Sep-05 03-Oct-05 SP114 7440-36-5 EPA 200.7 J8870-2A 06-Sep-05 03-Oct-05 SP114 7440-36-5 EPA 200.7 J8870-2A 06-Sep-05 03-Oct-05 SP114	Iron, Total		EPA 200.7	J8870-2A	06-Sap-05	03-Oct-05	SP114	0805	45800;	100 ug/l	
7440-38-2 EPA 200.7 J8870-2A 06-Sep-05 03-Oct-05 SP114 7440-47-3 EPA 200.7 J8870-2A 06-Sep-05 03-Oct-05 SP114 7440-86-8 EPA 200.7 J8870-2A 06-Sep-05 03-Oct-05 SP114	Nickel, Total		EPA 200.7	J8870-2A	06-Sep-05	03-Oct-05	SP114	0805	Π <u>.</u> 0	40 ug/l	
7440-66-6 EPA 200.7 J8870-2A 06-Sep-05 03-Oct-05 SP114	Arsenic, Total		EPA 200.7	J8870-2A	06-Sep-05	03-Oct-05	SP114	0805	112	5 ug/l	
7440-86-6 EPA 200.7 J8670-2A 06-Sep-05 03-Oct-05 SP114	Chromium, Total	****	EPA 200.7	J8870-2A	08-Sep-05	03-Oct-05	SP114	9805	Ωio	10 ug/l	
	Zinc, Total		EPA 200.7	J8670-2A	06-Sep-05	03-Oct-05	SP114:	0806	ΩÖ	20 ug/l	
EPA 200.7 J8870-2F : 08-Sep-05 : 03-Oct-05 : SP114	Aluminum, Dissolved	7429-90-5	EPA 200.7	J8870-2F	08-Sep-05	03-Oct-05	SP114	0805	n:o	100; ug/l	

Ethylbenzene 100-41-4 cis-1,3-Dichloropropene 10081-01-5 trans-1,3-Dichloropropene 10081-02-8 1 4-Dichlombenzene 108-48-7									THE PERSON NAMED IN COLUMN TWO IS NOT THE OWNER.	
cis-1,3-Dichloropropene 10 trans-1,3-Dichloropropene 10 1,4-Dichloropenzene 11	4.45	EPA 624	J8870-3	08-Sep-05	03-04-05		TRIP BLANK	ΩiΩ	1,gu/1	Personal Construction of the Construction of t
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•	108-46-7	EPA 824	J8870-3	08-Sep-05	03-Oct-05	¥	TRIP BLANK	 ∩:0	1 աց/	
1,2-Dichloroethane	07-08-2	EPA 624	J8870-3	06-Sep-05	03-Oct-05		TRIP BLANK;	Πio	1; ug//	
	108-88-3	EPA 624	J8870-3	06-Sep-05	03-Oct-05		TRIP BLANK!	o:tu	1 ug/l	
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Tetrachloroethene 12	127-18-4	EPA 624	J8870-3	06-Sep-05	03-Oct-05		TRIP BLANK	ņ	1 ug/l	·
Xylenes (total)	1330-20-7	EPA 824	J8870-3	06-Sep-05	03-Oct-05		TRIP BLANK	Oin	1 ug/l	
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þ	156-80-5	EPA 624	J8870-3	06-Sep-05	03-Oct-06		TRIP BLANK	٥٦	1 ug/l	
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1,2-Dichlorobenzene	95-50-1	EPA 624	J8870-3	06-Sep-05	03-Oct-05	ž	TRIP BLANK	٥	1 ug/l	

DATA USABILITY SUMMARY REPORT FOR OCTOBER 2005 MONTHLY COMPLIANCE MONITORING

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

Three groundwater samples and one field QC trip blank were collected from the Former Sinclair Refinery Site in Wellsville, New York on October 4, 2005. These samples were received by Accutest Laboratories (Accutest) within one day of collection on October 5, 2005. 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 1664. 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 4.8°C. All samples were received intact and in good condition at Accutest.

The analytical data package generated by Accutest (Accutest Job # J1 1676) was received by On-Site within 21 days of sample receipt at the laboratory, reviewed, and validated for custody documentation, holding times, surrogate recoveries, matrix spike/matrix spike duplicate (MS/MSD) recoveries, laboratory control sample (LCS) recoveries, laboratory method blank contamination, trip blank contamination, instrument calibrations, laboratory duplicate precision, quantitation limits, and data completeness. The laboratory sample data were reviewed and may be qualified with the following validation flags:

"U" - not detected at the value given,

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

"J" - estimated at the value given, and

"R" - unusable value.

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

results for all samples were considered estimated and qualified "UJ" in the "Valid Code" column as a result from data validation.

VOLATILE ORGANIC ANALYSIS

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

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

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

All continuing calibration compounds were compliant with percent differences within ±25% and minimum relative response factors (RRFs) of 0.05 with the exception of bromoform (-26.5%D) in the continuing calibration associated with all samples. Therefore, the bromoform results which were nondetects, were considered estimated and qualified "UJ".

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

INORGANIC AND OIL AND GREASE ANALYSIS

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

Ethylbenzene	100-41-4	EPA 024	J11676-3	04-Oct-05	07-Nov-05	SP217	1005	n o	1 ug/l	
cis-1,3-Dichloropropene	10061-01-5	EPA 624	J11676-3	04-Oct-05	07-Nov-05	SP217	1005	Πo	1:ug/l	
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Methyl bromide 74-83-9	74-83-9	EPA 624	J11676-2	04-Oct-06	07-Nov-05	SP114	1005	0.0	1;ug/l	*****
Chloromethane :74-87-3	74-87-3	EPA 624	J11676-2	04-04-05	07-Nov-05	SP114	1005	n o	1; ug/l	
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lichlomiluommethane		EPA 624	J11676-2	04-Oct-05	07-Nav-05	SP114	1005	n:0	2:ug/l	
Dichlorodifluoromethane 75-71-8		EPA 624	J11076-2	04-Oct-05	07-Nov-05	SP114	1005	7 <u>.</u> 0	Zug/l	
,2-Dichlompmpane		EPA 624	111676-2	04-Oct-05	07-Nov-05	SP114	1006	ם פוֹנוּ	1;ng/l	
1,1,2-Trichloroethane		EPA 624	J11676-2	04-Oct-05	07-Nov-05	SP114	1005	n jo	1:ug/l	
Trichloroethene		EPA 624	J11676-2	04-Oot-06	07-Nov-06	SP114	1005	. 0.64:J	1:ug/l	
,1,2,2-Tetrachlomethane		EPA 624	J11676-2	04-Oct-05	07-Nov-05	SP114	1005	n ::	1 ug/l	
1,2-Dichlombenzene :95-50-1	95-50-1	EPA 824	J11676-2	04-Oct-05	07-Nov-05	SP114	1005) 0	1,497	
Hd		EPA 150.1	J11676-2A	04-Oct-05	07-Nov-05	SP114	1005	6,58	78	
Aluminum, Total	7429-90-5	EPA 200.7	J11676-2A	04-04-05	07-Nav-05	SP114	1005	∩;o :	100 ng/l	
ron, Total	7439-89-6	EPA 200,7	. J11878-2A	04-Oct-05	07-Nov-05	SP114	1005	46300	100 ug/l	
_eed, Total	7430-02-1	EPA 200.7	J11676-2A	04-Oct-05	07-Nov-06	SP114	1005	ე:0 ::	3 ug/l	
Nickel, Total 7440-02-0	7440-02-0) EPA 200.7	J11676-2A;	04-Oct-05	07-Nov-05	SP114	1005	מוֹח	40 ug/l	
Arsenic, Total	7440-38-2	EPA 200.7	. J11676-2A;	04-Oct-05	: 07-Nov-05	SP114	1005	116	5: ug/l	
Chromium, Total	7440-47-3	EPA 200.7	J11676-2A	04-Oct-06	: 07-Nov-06	SP114	1005	nio !	10:ug/l	
Copper, Total	7440-60-8	EPA 200.7	J11676-2A	04-Oct-05	07-Nov-05	SP114	1005	Ωio :	i 25:ug/l	
Zinc, Total	7440-68-6	EPA 200.7	. J11676-2A	04-Oct-05	07-Nov-06	SP114	1005	n o	20 ug/l	
		***************************************	**************							

pH EP		EPA 150.1	J11676-1A	04-Oct-05	07-Nov-05	SP219	1005	7.42	India de la	
Oil And Grassa		EPA 1664A	J11676-1A	04-04-05	07-Nov-05	SP219	1005	11:0	5 1 200	
Aluminum, Total	7429-90-5	EPA 200.7	J11676-1A	04-Oct-05	07-Nov-06	SP219	1005		100:00/	
ron, Total	7430-89-6	EPA 200.7	J11676-1A	04-Oct-05	07-Nov-05	SP219	1005	0.0	100 001	.4
ead, Total	7438-92-1	EPA 200.7	J11676-1A	04-Oct-05	07-Nov-05	SP219	1005	(7)	3 ug/	
vickel, Total	7440-02-0	EPA 200.7	J11676-1A	04-Oct-05	07-Nov-05	SP219	1005		40 ug/l	******
Arsenic, Total	7440-38-2	EPA 200.7	J11676-1A	04-Oct-05	07-Nov-05	SP219	1005	ספר	5.49/	
Shromium, Total	7440-47-3	EPA 200.7	J11676-1A	04-Oct-05	07-Nov-05	SP219	1005	Ωö	10:09/	
Sopper, Total	7440-50-8	EPA 200.7	J11676-1A	04-Oct-05	07-Nov-05	SP210	1005	Ωö	25:ug/l	
Inc, Total	7440-68-5	EPA 200.7	J11676-1A	04-Oct-05	07-Nov-06	SP219	1005	ΩÖ	20:ug/l	
Syanide	67-12-6	EPA 335.3	J11876-1A	04-Oct-05	07-Nov-05	SP219	1005	n ö	0.mg/l	
<u>=</u> thylbenzene	100-41-4	EPA 624	J11676-1	04-Oct-05	07-Nov-05	SP219	1005	ΩïΘ	1 ug/l	
ts-1,3-Dichloropropene	10061-01-6	EPA 624	J11676-1	04-Oct-05	07-Nev-05	SP219	1005	ΩÖ	1:ug/l	***************************************
rans-1,3-Dichloropropent	a 10061-02-6	EPA 624	J11676-1	04-Oct-05	07-Nov-05	SP219	1005	ΩÖ	1:00/	
I,4-Dichlorobenzane	106-46-7	EPA 624	J11676-1	04-Oct-05	07-Nov-05	SP219	1005	OGO	1:40/	
1,2-Dichloroethane	107-06-2	EPA 624	J11676-1	04-Oct-05	07-Nov-05	SP219	1005	N ₀	1:40/	
Coluene	108-88-3	EPA 624	J11676-1	04-Oct-05	07-Nov-05	SP218	1005	חַם	1,00/	
Chlorobenzene	108-80-7	EPA 624	J11676-1	04-Oct-05	07-Nov-05	SP219	1005	O O	1.00/	
Oibromochioromethane	124-48-1	EPA 624	J11676-1	04-Oct-05	07-Nov-05	SP219	1006	ПО	1 ug/l	
Tetrachloroethene	127-18-4	EPA 624	J11676-1	04-Oct-05	07-Nov-05	SP219	1005	ΩÖ	1 ug/l	
(ylenes (total)	1330-20-7	EPA 624	111678-1	04-Oct-05	07-Nov-05	SP219	1005	O o	l'ug/	
sis-1,2-Dichlomothone	156-59-2	EPA 624	J11676-1	04-Oct-05	07-Nov-05	SP219	1005	ΩÖ	1 201	
rans-1,2-Dichlomethene	156-60-5	EPA 624		04-Oct-05	07-Nov-05	SP219	1005	⊃ë	1.00/	
i,3-Dichlombenzene	541-73-1	EPA 624	J11576-1	04-Oct-05	07-Nov-05	SP219	1005	∩;0	1;nB/l	
Sarbon tetrachloride	i66-23-6	EPA 624	111676-1	04-Oct-05	07-Nov-05	SP219	1005	Ωio	1 tug/l	
Shloroform	67-66-3	EPA 624	J11676-1	04-Oct-05	07-Nov-05	3P219	1005	∩.0	1:ug/l	
lenzene	71-43-2	EPA 624	J11676-1	04-Oct-05	07-Nov-05	SP219	1005	n o	l'unit	: : :
,1,1-Trichlomethane	71-55-6	EPA 624	J11676-1	04-Oct-05	07-Nov-05	SP219	1005	Πo	1 ug/l	
Aethyl bromide	74-83-0	EPA 624	J11676-1	04-Oct-05	07-Nov-05	SP210	1005	n o	lgu:	
Shloromethane	74-87-3	EPA 624	J11676-1	04-Oct-05	07-Nov-05	SP210	1006	n o	Jenst	
hloroethane	75-00-3	EPA 624	111676-1	04-Oct-05	07-Nov-05	SP219	1005	n o	lgu -	
/inyl chloride	75-01-4	EPA 624	J11676-1	04-Oct-05	07-Nov-05	SP219	1005	. 0.45 J	Ziugi	; ; ; ;
Aethylene chloride	75-09-2	EPA 624	J11676-1	04-Oct-05	07-Nov-06	SP219	1005	ם	1gu:	
Sromafarm	75-25-2	EPA 624	J11676-1	04-Oct-05	07-Nov-06	SP219	1005	Πio	15001	,
3romodichloromethane	75-27-4	EPA 624	111676-1	04-Oct-05	07-Nov-06	SP219	1005	ηb	1 ug/l	
1,1-Dichloroethane	75-34-3	EPA 624	J11676-1	04-Oct-05	07-Nov-05	SP219	1005	O B	1 _j ug/l	
I,1-Dichloroethene	75-35-4	EPA 624	111876-1	04-Oct-05	07-Nov-05	SP219	1005	D io	1,00/	
Гісһюювиопотефапе	75-89-4	EPA 624	J11676-1	04-Oct-05	07-Nov-05	SP219	1005	n:o	2:ug/l	
Dichlorodifluoromethane	76-71-8	EPA 624	311876-1	04-Oct-05	07-Nov-05	SP210	1005	חפ	2:ug/l	
1,2-Dichloropropane	78-87-5	EPA 624	J11676-1	04-Oct-05	07-Nov-05	SP219	1005	0 0	1:ug/l	
1,1,2-Trichloroethane 70-00-6 EPA 02	70-00-6	EPA 624	J11676-1	04-Oct-05	07-Nov-05	SP210	1005	ΠO	1.00.1	
Trichloroethene	78-01-6	EPA 624	J11676-1	04-Oct-05	07-Nov-05	SP218	1005	Πö	LingA	
1,1,2,2-Tetrachloroethan	B 78-34-5	EPA 624	J11678-1	04-Oct-05	07-Nov-05	SP219	1006	0.0	1 ug/l	-
1,2-Dichlorobenzene	:95-50-1	EPA 624	: 111676-1	04-04-05	07-Nov-05	SP219	1005	٥	1 Lguil	
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DATA USABILITY SUMMARY REPORT FOR NOVEMBER 2005 MONTHLY COMPLIANCE MONITORING

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

Three groundwater samples and one field QC trip blank were collected from the Former Sinclair Refinery Site in Wellsville, New York on November 3, 2005. These samples were received by Accutest Laboratories (Accutest) within one day of collection on November 4, 2005. 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 # J1 4668) 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, laboratory duplicate precision, quantitation limits, and data completeness. The laboratory sample data were reviewed and may be qualified with the following validation flags:

"U" - not detected at the value given,

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

"J" - estimated at the value given, and

"R" - unusable value.

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

for sample SP-219 was considered estimated and qualified "UJ" in the "Valid Code" column as a result from data validation.

VOLATILE ORGANIC ANALYSIS

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

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

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

It was noted that the percent recoveries for ethylbenzene during the MS/MSD spiked analyses were noncompliant. However, since the MS/MSD samples were not designated project samples, validation qualification was not warranted and the project sample data were not affected.

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

INORGANIC AND OIL AND GREASE ANALYSIS

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

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

- Quantitation limits
- Data completeness

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

All MS recoveries were compliant and within QC acceptance ranges with the exception of the low recovery for cyanide (70.8%R; QC limit 75-125%R). As a result, the nondetected cyanide result for sample SP-219 was considered estimated, possibly biased low, and qualified "UJ".

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

It was noted that sample SP-219 contained aluminum at a concentration of 708 μ g/L. Since this result was considered an outlier compared with historical data, the laboratory reanalyzed this sample. As a result, aluminum was not detected and this reanalyzed sample result was reported in the validated laboratory data since the original aluminum result was considered to be contamination from the laboratory.

Analyte	Casilo	Mathod	absamplic	Date Sampled	validation Date	Sample	Cocaton	Result Code	REMORE VAINERS	Main Sand
	100-41-4		J14668-3	03-Nov-05	27-Nov-05	SP	219	Dio.		
cis-1,3-Dichloropropene	10061-01-5 EPA 624	EPA 624	.114668-3	03-Nav-05	27-Nav-05	망	219	O O	1ug/	
pene	10061-02-6 EPA 624	EPA 624	J14668-3	03-Nov-05	27-Nov-05	SP	219	N o	; /Bn;	
9	106-46-7	EPA 624	J14668-3	03-Nov-05	27-Nov-05	SP	219	Ωo	1guil	
1,2-Dichloroethane	107-06-2	EPA 624	J14668-3	03-NoV-05	. 27-Nov-05	굡	219	n o	/Int	
Toluene	108-88-3	EPA 624	J14668-3	03-Nov-05	27-Nov-05	SP	219	n o	1/ng/l	
Chlorobenzene	108-90-7	EPA 624	J14668-3	03-Nov-05	27-Nov-05	РS	218	ΠO	1 ug/l	
Olbromochloromethane	124-48-1	EPA 624	J14668-3	03-Nov-05	27-Nov-05	SP	219	n.o	1 ug/l	
Tetrachloroethene	127-18-4	EPA 624	J14668-3	03-Nov-05	27-Nov-05	сS	219	ספר	1 ug/l	
Xylenes (total)	1330-20-7	EPA 624	114668-3	03-Nov-05	27-Nov-05	РS	219	n o	1 ug/l	
cls-1,2-Dichloroethene	156-59-2	EPA 624	J14868-3	03-Nov-05	27-Nov-05	SP	219) O	Tug/	
eue	158-60-5	EPA 624	J14668-3	03-Nov-05	27-Nov-05	SP	219	Ωo	/find/	
1,3-Dichlorobenzene	541-73-1	EPA 624	114668-3	03-Nov-05	27-Nav-05	SP	219	n o	1 ug/	
Carbon tetrachloride	56-23-5	EPA 624	J14868-3	03-Nov-05	27-Nov-05	SP	219	ηįο	1 ug/l	
Chloroform	67-66-3	EPA 624	J14668-3	03-Nov-05	27-Nov-05	SP	219	0.27.J	/gn:L	
	71-43-2	EPA 624	J14668-3	03-Nov-05	27-Nov-05	SP	219	n.o	1,00/1	
1,1,1-Trichloroethane	71-55-6	EPA 624	J14668-3	03-Nov-05	27-Nov-05	SP	219) O	/fnl	
Methyl bromide	74-83-9	EPA 624	:114668-3	03-Nov-05	27-Nov-05	SP	219	ב ס	1'ng/l	
Chloromethane	74-87-3	EPA 624	J14668-3	03-Nov-05	27-Nov-05	SP	219	٥٥	1, ug/l	
Chloroethane	75-00-3	EPA 624	J14668-3	03-NoV-05	27-Nov-05	SP	219	ΩO	1 ug/l	
Vinyl chloride	75-01-4	EPA 624	J14568-3	03-Nov-05	27-Nov-05	SP	219	0.71	Z ug/l	
Methylene chloride	75-09-2	EPA 624	J14668-3	03-Nov-05	27-Nov-05	SP	219	O.o.	1;ug/l	
	75-25-2	EPA 624	114668-3	03-Nov-05	27-Nov-05	SP	219	n ö	1'ng/	
Bromodichloromethane	75-27-4	EPA 624	J14668-3	03-Nov-05	27-Nov-05	SP	219) O	1'ng/l	 !
1,1-Dichloroethane	75-34-3	EPA 624	J14668-3	03-Nov-05	27-Nov-05	SP	219	0.31.J	1/ng/l	
1,1-Dichloroethene	75-35-4	EPA 624	J14668-3	03-Nov-05	27-Nov-05	SP	219	n o	1;ug/l	
Trichlorofluoromethane	75-69-4	EPA 624	J14668-3	03-NoV-05	27-Nov-05	SР	219	Ωo	2 ug/l	
Dichlorodifluoromethane	75-71-8	EPA 624	J14668-3	03-Nov-05	27-Nov-05	SP	219	0.0	2 ug/l	
1,2-Dichloropropane	78-87-5	EPA 624	J14668-3	03-Nov-05	27-Nov-05	SP	219	ΩÖ	1'ag/l	**************************************
1,1,2-Trichloroethane	79-00-5	EPA 624	J14668-3	03-Nov-05	27-Nov-05	SР	219	n o	1/ng/l	•
Trichloroethene	79-01-6	EPA 624	J14668-3	03-NoV-05	27-Nov-05	G.	219	Πo	1/na/l	
hane	79-34-5	EPA 624		03-Nov-05	27-Nov-05	SP	219) O	1,ug/	
1,2-Dichlorobenzene	95-50-1	EPA 624	J14668-3	03-Nov-05	27-Nov-05	SP	219	סיי	1, ug/ 1	

Ethylhenzene	100.41.4	FPA 624	111EB 1	ייבוא פט	CONTRACTOR	- The second of the second	Market and description of the Party States		T. Units Valid Result
	1		1-0001	co-Anni-co	CU-VOV-12	¥	IKIP BLANK	_ 0::0	1 ug/l
cis-1,3-Uichloropropane	10061-01-5		J14668-4	03-Nov-05	27-Nov-05	X X	TRIP BLANK	Πo	1,0g/l
trans-1,3-Dichloropropene	φ.	EPA 624	J14668-4	03-Nov-05	27-Nov-05	Z	TRIP BLANK	ΩO	Tug/
1,4-Dichlorobenzene	į	EPA 624	J14868-4	03-Nov-05	27-Nov-05	ΧŠ	TRIP BLANK	ΩÖ	1 ug/l
1,2-Dichloroethane	į	EPA 624	J14668-4	03-Nov-05	27-Nov-05	SK	TRIP BLANK	Пo	1 ug/l
oluene	_	EPA 624	J14668-4	03-Nav-05	27-Nov-05	Ž	TRIP BLANK	ΩO	1,uo/
Chlorobenzene		EPA 624	J14668-4	03-Nov-05	27-Nov-05	S S S	TRIP BLANK	ŊO	1,001
Dibromochloromethane	124-48-1	EPA 624	J14668-4	03-Nov-05	27-Nov-05	XNO.	TRIP BLANK	ΠO	1100/
Tetrachloroethene	127-18-4	EPA 624	J14668-4	03-Nov-05	27-Nov-05	ZNS	TRIP BLANK	ΩÖ	1: ua/
Xylenes (total)	1330-20-7	EPA 624	J14568-4	03-Nov-05	27-Nov-05	UNK	TRIP BLANK	ΩiO	1:00/
cis-1,2-Dichloroethene	156-59-2	EPA 624	J14668-4	03-NoV-05	27-Nov-05	ZNZ	TRIP BLANK	ΠO	
trans-1,2-Dichloroethene	156-60-5	EPA 624	J14668-4	03-Nov-05	27-Nov-05	ZND	TRIP BLANK	nio	1.00/1
,3-Dichlorobenzene	541-73-1	EPA 624	J14668-4	03-Nov-05	27-Nov-05	Š	TRIP BLANK	OO	1 ud/
Carbon tetrachloride	56-23-5	EPA 624	:J14668-4	03-Nov-05	27-Nov-05	Ž	TRIP BLANK	ΩO	1 ug/l
Chloroform	67-66-3	EPA 624	114668-4	03-Nav-05	27-Nov-05	ZNO	TRIP BLANK) o	1:ug/l
Вепzеле	71-43-2	EPA 624	J14668-4	03-Nov-05	27-Nov-05	Ž	TRIP BLANK	<u> </u>	Von L
, 1, 1-Trichloroethane	71-55-6	EPA 624	J14668-4	03-Nov-05	27-Nov-05	ZND	TRIP BLANK	O O	1,00/l
Methyl bromide	74-83-9	EPA 624	114668-4	03-Nov-05	27-Nov-05	ZNC	TRIP BLANK) O	1 ug/l
Chloromethane	74-87-3	EPA 624	J14658-4	03-Nov-05	27-Nov-05	Z	TRIP BLANK	no	1 ug/
Chloroethane	75-00-3	EPA 624	J14668-4	03-Nov-05	27-Nov-05	Ş	TRIP BLANK	n.o	1,0d/l
Vinyl chloride	75-01-4	EPA 624	114668-4	03-Nov-05	27-Nov-05	SK	TRIP BLANK	Ωö	2 ug/l
Methylene chloride	75-09-2	EPA 624	J14668-4	03-Npv-05	27-Nov-05	UNK	TRIP BLANK	ΩO	1,00/1
Вготобот	75-25-2	EPA 624	J14668-4	03-Nav-05	27-Nov-05	NN	TRIP BLANK	Ωο	1'ug/l
Bromodichloromethane	75-27-4	EPA 624	J14668-4	03-Nav-05	27-Nov-05	CNK	TRIP BLANK	<u>n</u> o	1 ug/l
, 1-Dichloroethane	75-34-3	EPA 624	J14668-4	03-Nov-05	27-Nov-05	CNK	TRIP BLANK	Ωo	1 ug/l
,1-Dichlomethene	75-35-4	EPA 624	J14668-4	03-Nov-05	27-Nov-05	YN5	TRIP BLANK	Ωo	1'ug/l
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Dichlorodifluoromethane	75-71-8	EPA 624	J14668-4	03-Nov-05	27-Nov-05	SNS	TRIP BLANK	n o	Ziug/l
1,2-Dichloropropane	78-87-5	EPA 624	J14668-4	03-Nov-05	27-Nov-05	UNK	TRIP BLANK	Ωo	1'ug/l
, 1,2-Trichloroethane	79-00-5	EPA 624	J14868-4	03-Nov-05	27-Nov-05	ZNA	TRIP BLANK	Ωo	1'ug/l
Frichloroethene	79-01-6	EPA 624	J14668-4	03-Nov-05	27-Nov-05	UNK	TRIP BLANK	O O	1 ug/l
1,1,2,2-Tetrachloroethane ;79-34-5	79-34-5	EPA 624	J14668-4	03-Nov-05	27-Nov-05	UNK	TRIP BLANK	חַם	1,00/1
1.2-Dichlorobenzene	י עם שטי	7 CO 4 CO L.					***********************	********************	******************************

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ה ה	P Q	SP	SP	SP	SP	SP
27 Nov. 05	27-Nov-05	27-Nov-05	27-Nov-05	27-Nov-05	27-Nov-05	27-Nov-05
20 VOIN BO	03-Nov-05	03-Nov-05	03-Nov-05	03-Nov-05	03-Nov-05	03-Nov-05
14 ARR 3A	J14668-3A	J14668-3A	J14668-3A	J14668-3A	J14668-1F	J14668-3F

RE Units Walle Result Valid Code

Result Code

27-Nov-05 27-Nov-05 27-Nov-05 27-Nov-05

03-Nov-05

03-Nov-05

J14668-1A J14668-1A

EPA 200.7

7439-92-1

Analyta

03-Nov-05 03-Nov-05

J14668-1A

EPA 200.7 EPA 200.7

7440-66-6 7429-90-5 7439-89-6 7440-02-0 7440-47-3 7440-50-8

Aluminum, Total

Znc, Total

EPA 200.7

7440-3B-2

Arsenic, Total

ead, Total

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5 ug/l 20 ug/l 100 ug/l

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100 ug/I

50600

114

ВP

27-Nov-05

03-Nov-05

J14668-1A J14668-1A J14668-1A J14668-1A J14668-1A J14668-3A J14668-3A

03-Nov-05 03-Nov-05 03-Nov-05

EPA 200.7 **EPA 200.7**

Chromium, Total

Vickel, Total

ron, Total

Copper, Total

EPA 200.7

27-Nov-05 27-Nov-05 27-Nov-05 27-Nov-05 27-Nov-05

10 ug/l 25 ug/l 3 ug/l

0

유명

금

40; ug/l

5.2 mg/l

2 6.87

7

<u>...</u>

SP SP

27-Nov-05 27-Nov-05

27-Nov-05 27-Nov-05

03-Nov-05

J14668-3A J14668-3A

EPA 200.7

7440-66-6

7440-38-2

Arsenic, Tota

Zinc, Total

ead, Total

EPA 200.7

7429-90-5

Aluminum, Total

Iron, Total

03-NoV-05

EPA 200.7

EPA 200.7 EPA 200.7

7439-92-1

03-Nov-05

03-Nov-05

03-Nov-05

J14668-3A

EPA 150.1

EPA 1664A EPA 335.3

Oil And Grease

EPA 200.7

EPA 200.7 EPA 200.7

7440-50-8

7429-90-5 7429-90-5

Aluminum, Dissolved Aluminum, Dissolved

Chromlum, Total

Nickel, Total

Cyanide

Copper, Total

EPA 200.7

7440-02-0 7440-47-3

57-12-5

J14668-3A

EPA 200.7

7439-89-6

03-Nov-05

0.01;mg/l

;;; <u>:</u>

40 ug/l

10 ug/l 25 ug/l 100 ug/l 100 ng/l

20; ug/l 100 ug/l 100 ug/l

5 ug/l

219 210 219

SP SP SP S GS

DATA USABILITY SUMMARY REPORT FOR DECEMBER 2005 MONTHLY COMPLIANCE MONITORING

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

Three groundwater samples and one field QC trip blank were collected from the Former Sinclair Refinery Site in Wellsville, New York on December 5, 2005. These samples were received by Accutest Laboratories (Accutest) within one day of collection on December 6, 2005. These samples were analyzed by Accutest for halogenated volatile organic compounds (VOCs) and the VOCs benzene, toluene, ethylbenzene, and total xylenes (BTEX) using the USEPA method 624; total metals using the USEPA method 200.7; total cyanide using the USEPA method 335.3; and oil and grease using the USEPA SW-846 method 1664A. Analytical results from these project samples were validated and reviewed by On-Site Technical Services, Inc. (On-Site) for usability in accordance to the USEPA Region II SOPs for organic and inorganic data review.

SUMMARY

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

The analytical data package generated by Accutest (Accutest Job # J17227) was received by On-Site within 20 days of sample receipt at the laboratory, reviewed, and validated for custody documentation, holding times, surrogate recoveries, matrix spike/matrix spike duplicate (MS/MSD) recoveries, laboratory control sample (LCS) recoveries, laboratory method blank contamination, trip blank contamination, instrument calibrations, laboratory duplicate precision, quantitation limits, and data completeness. The laboratory sample data were reviewed and may be qualified with the following validation flags:

"U" - not detected at the value given,

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

"J" - estimated at the value given, and

"R" - unusable value.

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

for sample SP219-1205 was considered estimated and qualified "UJ" in the "Valid Code" column as a result from data validation.

VOLATILE ORGANIC ANALYSIS

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

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

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

INORGANIC AND OIL AND GREASE ANALYSIS

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

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

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

All MS recoveries were compliant and within QC acceptance ranges with the exception of the low recovery for cyanide (73.2%R; QC limit 75-125%R). As a result, the nondetected cyanide result for sample SP219-1205 was considered estimated, possibly biased low, and qualified "UJ".

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

Analyte was to castle with	Casdo	Melinds.		Jale Sampled	/alidation.Date	Sample	Location	Roseilt Code	RECEDENTS Velicing	Assembly Wallet Property
Ethylbenzene 100-41-4	100414	EPA 624	J17227-1	05-Dec-05	31~Jan-08	SP114	1205	4.3	1iug/l	
cis-1,3-Dichloropropene	10061-01-5	EPA 624	J17227-1	05-Dec-05	31~lan-06	SP114	1205	∩;0	1 ug/l	
trans-1,3-Dichloropropene 10061-02-8	10061-02-8	EPA 624	117227-1	05-Dec-05	31~lan-06	SP114	1205	ספ	1 ug/	*******
1,4-Dichlorobenzene	106-46-7	EPA 624	J17227-1	05-Dec-05	31Jan-06	SP114	1206	<u>n</u> o	1907	
1,2-Dichloroethane	107-06-2	EPA 624	J17227-1	05-Dec-05	31~Jan-06	SP114	1205	O:O	1 ug/l	
Toluene 108-88-3	108-88-3	EPA 624	J17227-1	05-Dec-06	31~Jan-08	SP114	1205	4.4	/Bn:L	
Chlorobenzene 108-90-7	108-90-7	EPA 624	J17227-1	05-Dec-05	31~Jan-06	SP114	1205) O	1,bg/l	
Оівготосьютотейнапе	3 :124-48-1	EPA 624	J17227-1	05-Dec-05	31~Jan-06	SP114	1205	חבר בי	1:ug/1	
Tetrachloroethene	127-18-4	EPA 824	J17227-1	05-Dec-05	31~Jan-06	SP114	1205	O O	1 ug/l	
Хуюлов (total) 1330-20-7	1330-20-7	EPA 624	117227-1	05-Dec-05	-31-Jan-06	SP114	1205	4.4	Tugh	
cis-1,2-Dichloroethene 156-59-2	158-59-2	EPA 624	J17227-1	05-Dec-05	31~Jan-06	SP114	1205	45.2	1 ug/l	
9	168-80-5	EPA 624	117227-1	06-Dec-06	31-Jan-06	SP114	1205	7	1 hguit	
1,3-Dichlorobenzene	541-73-1	EPA 824	J17227-1	05-Dec-05	31~Jan-06	SP114	1205	⊃ë	1 ug/l	
Carbon tetrachloride	68-23-5	EPA 624	117227-1	06-Dec-06	31~Jan-06	SP114	1206	Πio	1'Bn1	
Chloroform 67-68-3	67-68-3	EPA 624	J17227-1	05-Dec-05	31~Jan-06	SP114	1205	Ωo	1 ug/	7
Benzene	71-43-2	EPA 624	117227-1	05-Dec-05	31~Jan-06	SP114	1206	83.2	1:ug/l	
1,1,1-Trichloroethane 71-55-6	71-55-8	EPA 624	J17227-1	05-Dec-05	31~Jan-06	SP114	1205	3.3	1:00/1	
Methyl bromide	74-83-9	EPA 824	117227-1	05-Dec-05	31~Jan-06	SP114	1205	η:ο	1,00/	7, 11 0 F
Chloromethane	74-87-3	EPA 624	117227-1	05-Dec-06	31-Jan-06	SP114	1205	ם כו	1 ug/l	
Chloroethane	75-00-3	EPA 624	117227-1	05-Dec-05	31~Jan-06	SP114	1205	חַס	T LOA	
Vinyi chlorido	76-01-4	EPA 624	J17227-1	05-Dec-05	31~Jan-08	BP114	1206	80	2 ug/l	
Methylene chloride 75-09-2	76-09-2	EPA 624	117227-1	05-Dac-05	31~Jan-08	SP114	1205	n o	1,ug/l	••••
Втотобит	75-25-2	EPA 624	J17227-1	05-Dec-05.	31~Jan-06	SP114	1205	nio i	1 ug/l	
Bromodichloromethane 75-27-4	76-27-4	EPA 624	117227-1	05-Dec-05	31~jan-06	SP114	1205	∩:o	1;ng/l	
1,1-Dichloroethane	76-34-3	EPA 624	117227-1	05-Dec-05	31~Jan-06	SP114	1205	23	1:ug/l	•
1,1-Dichloroethene	75-35-4	EPA 624	J17227-1	05-Dec-05	31~Jan-08	SP114	1205	O io	1;ug/]	
Trichlorofluoromethane	hane :75-69-4	EPA 624	J17227-1	05-Dec-05	31~Jan-08	SP114	1205	∩.0	2:ug/l	****
Dichlorodiffuoromethane	e 75-71-8	EPA 624	117227-1	05-Dec-05	31-Jan-08	SP114	1205	O O	2 ug/l	
1,2-Dichloropropane	78-87-5	EPA 824	J17227-1	05-Dec-05	31~Jan-06	SP114	1205	nio i	1;ng/l	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
1,1,2-Trichloroethane 79-00-6	79-00-6	EPA 624	J17227-1	05-Dec-05	31~Jan-06	SP114	1205	O;O :	1 ug/l	
Trichloroethene	79-01-6	EPA 624	J17227-1	05-Dec-06	31~ian-06	SP114	1205	n:o	1:ug/l	
1,1,2,2-Tetrachloroethane	79-34-5	EPA 624	117227-1	05-Dec-05	31~Jan-08	SP114	1205	ם:יר	1;ng/l	*****
1,2-Dichlorobenzene	95-50-1	EPA 624	117227-1	05-Dec-05	31~Jan-06	SP114	1205	ם סיים	1:ug/l	
Aluminum, Total	••••	EPA 200.7	J17227-1A	05-Dec-05	31~Jan-08	SP114	1205	n:o	100 ug/l	
Iron, Total 7439-88-6	****	EPA 200.7	J17227-1A	05-Dec-05	31~Jan-06	SP114	1205	55100	100 ug/l	
Lead, Total	••••	EPA 200.7	117227-1A	05-Dec-05	31~Jan-06	SP114	1205	ë	3:ng/l	
Nickel, Total		EPA 200.7	J17227-1A	05-Dec-05	31~Jan-08	SP114	1205	Πio	40:ug/l	
, Total	••••	EPA 200.7	J17227-1A	05-Dec-05	31-Jan-06	SP114	1205	108	D'ug/l	
Chromium, Total		EPA 200.7	J17227-1A	06-Dec-05	31-Jan-06	SP114	1205	n:o	10 ug/l	
Copper, Total 7440-50-8		EPA 200.7	J17227-1A	05-Dec-05	31-Jan-06	SP114	1205	חַיָּם	25:ug/l	
Zinc, Total	•••••	EPA 200.7	J17227-1A	05-Dec-05	31~Jan-08	SP114	1205	146	20:ug/l	
Aluminum, Dissolved 7429-90-5		EPA 200.7	J17227-1F	06-Dec-05	31~Jan-06	SP114	1205	חפר	100 ug/l	

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Ethylbenzene	100-41-4	EPA 624	J17227-2	05-Dec-05	31-Jan-06	SP217	1205	11:0	¥	
cis-1,3-Dichloropropene	10061-01-6	EPA 624	J17227-2	05-Dec-05	31~Jan-06	SP217:	1205	ПіО		
trans-1,3-Dichloropropene 10061-02-8	10061-02-8	EPA 624	J17227-2	05-Dec-06	31~Jan-06	SP217	1205	<u> </u>	1.00/	
1,4-Dichlorobenzene		EPA 024	J17227-2	05-Dec-05	31-Jan-06	SP217	1205	0.0	yon:	
oroet	107-06-2	EPA 624	J17227-2	05-Dec-05	31-Jan-06	SP217	1205	0,0	1:00/	
Toluene	108-88-3	EPA 624	J17227-2	05-Dec-05	31-Jan-06	SP217	1205	Πio	1:00/	
Спогователе	108-90-7	EPA 624	J17227-2	05-Dec-05	31~Jan-06	SP217	1205	Пio	1:00/1	
Oibromochloromethane	124-48-1	EPA 624	J17227-2	05-Dec-05	31~Jan-08	SP217	1205	n o	1:uo/	
Tetrachloroethene	127-18-4	EPA 624	J17227-2	06-Dec-05	31~Jan-06	SP217	1206	0.0	1,ua/l	
į	1330-20-7	EPA 624	J17227-2	05-Dec-05	31~Jan-06	SP217	1205	O;O	You	
	166-69-2	EPA 824	J17227-2	05-Dec-05	31~Jan-08	SP217	1205	1.2	Van	***************************************
919	166-60-5	EPA 824	J17227-2	05-Dec-05	31-Jan-06	SP217	1205	0,0	You	
1,3-Dichlorobenzene	541-73-1	EPA 624	117227-2	05-Dec-05	31-Jan-08	SP217	1205	Ü.o	loui	•
achloride	66-23-6	EPA 624	J17227-2	05-Dec-05	31-Jan-06	SP217	1205	no n	1:00/	
Chloroform	67-88-3	EPA 624	J17227-2	05-Dec-05	31-Jan-06	SP217	1205	0.95	1:ug/l	
Велгепе		EPA 624	J17227-2	06-Dac-05	31~Jan-06	SP217	1205	Ωio	1 ug/l	
1,1,1-Trichloroethane		EPA 624	J17227-2	05-Dec-05	31~Jan-06	SP217	1205	O.O	1,00/	
Methyl bromide		EPA 624	J17227-2	05-Dec-05	31~Jan-06	SP217	1206		1:ug/	
Chloromethane		EPA 624	J17227-2	05-Dec-05	31~Jan-06	SP217	1205		/ind/	***************************************
	75-00-3	EPA 624	J17227-2	05-Dec-05	31-Jan-06	SP217	1205	O O	/Bn/L	
	76-01-4	EPA 624	J17227-2	06-Dec-05	31-Jan-06	SP217	1205		2 ug/l	
chloride	75-09-2	EPA 624	J17227-2	05-Dec-05	31-Jan-06	SP217	1206	O.O.	1 ug/l	***************************************
Вгомогот		EPA 624	J17227-2	05-Dec-05	31~Jan-06	SP217	1205	<u>n</u> o	1,90	***************************************
Bromodichloromethane	75-27-4	EPA 624	J17227-2	05-Dec-05	31~Jan-06	SP217	1205	0.0	1'ng/l	
1,1-Dichloroethane		EPA 624	J17227-2	05-Dec-05	31~Jan-08	SP217	1205	0.92	/Bn:L	
1,1-Dichloroethene	75-35-4	EPA 624	J17227-2	05-Dec-05	31~Jan-08	SP217	1205	O o	1/Bn:L	******
Trichlorofluoromethane	76-69-4	EPA 624	J17227-2	05-Dac-05	31~Jan-06	SP217	1205	Ωio	2 ug/l	
Dichlorodifluoromethane	76-71-8	EPA 624	J17227-2	05-Dec-05	31-Jan-06	SP217	1205	n o	2 ug/l	***************************************
1,2-Dichloropropane	78-87-6	EPA 624	J17227-2	05-Dec-05	31~Jan-06	SP217	1205	Πo	1;ng/l	
1,1,2-Trichlomethane		EPA 624	J17227-2	05-Dec-05	31~Jan-08	SP217	1205	Ωe	1 ng/l	***************************************
Trichloroethene	79-01-6	EPA 624	J17227-2	05-Dec-06	31~Jan-06	SP217	1205	nio	1 ug/	
1,1,2,2-Tetrachloroethane 79-34-5	78-34-6	EPA 824	J17227-2	05-Dec-05	31~Jan-06	BP217	1205	יים	1 ug/l	******
1,2-Dichlorobenzene 96-50-1	96-50-1	EPA 624	J17227-2	05-Dec-05	31-Jan-06	SP217	1205	Ω0	1/Bn L	

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Ethylbanzana 100-41-4 EP	100-41-4	EPA 624	J17227-3	05-Dec-05	31~Jan-06	SP219	1205	O O	1:00/	
cis-1,3-Dichloropropene	10061-01-5	EPA 624	J17227-3	05-Dec-05	31~Jan-06	SP219	1205	O:O	1 ug/l	
trans-1,3-Dichloropropene	10061-02-6	EPA 624	J17227-3	06-Dec-05	31~Jan-06	SP219	1205	Ωo	fugA	•
1,4-Dichlombenzene	106-46-7	EPA 624	J17227-3	05-Dec-05	31-Jan-06	SP219	1205	0.0	1:09/	
1,2-Dichloroethane 107-06-2	107-06-2	EPA 624	J17227-3	05-Dec-05	31-Jan-06	SP219	1205	0.0	1 ug/l	***************************************
Тошеле	108-88-3	EPA 624	J17227-3	05-Dec-05	31~Jan-06	SP219	1205	n.o	1:ug/	
Chlorobenzene	108-90-7	EPA 624	117227-3	05-Dec-05	. 31~Jan-08	SP219	1205	nio.	1 ug/	***************************************
Оївготоснюготейнапе	124-48-1	EPA 824	J17227-3	05-Dec-05	31~Jan-08	SP219	1205	Ωio	1;ug/l	
Tetrachloroethene	127-18-4	EPA 624	J17227-3	05-Dec-05	31~Jan-06	SPZ18	1205	Ωo	1 ug/	
Xylenes (total)	1330-20-7	EPA 624	J17227-3	05-Dec-05	31~Jan-06	SP218	1205	njo	1 iug/l	
cis-1,2-Dichloroethene	158-59-2	EPA 624	J17227-3	05-Dec-05	· 31~Jan-06	SP219	1205	<u>nio</u>	1 Lug/l	
bans-1,2-Dichloroethene	156-80-6	EPA 624	J17227-3	06-Dec-05	31-Jan-06	SP219	1205	n o	1:00/	***************************************
1,3-Dichlorobenzene	541-73-1	EPA 624	117227-3	05-Dec-05	31~Jan-08	SP219	1205	0.0	1 Jenst	· · · · · · · · · · · · · · · · · · ·
Carbon tetrachloride	56-23-5	EPA 624	J17227-3	05-Dec-05	31~Jan-06	SP219	1205	n o	1:ug/l	ļ
Сыогобат	67-66-3	EPA 624	J17227-3	05-Dac-06	31-Jan-06	SP219	1205	0.4	1 ug/l	· · · · · · · · · · · · · · · · · · ·
Вепгепе	71-43-2	EPA 624	J17227-3	05-Dec-05	31~Jan-06	SP219	1205	0.0	1 ing/	
1,1,1-Trichloroethane	71-66-8	EPA 624	J17227-3	05-Dec-05	31~Jan-06	SP218	1205	Ωio	Tug/	
Methyl bromide	74-83-9	EPA 624	117227-3	05-Dec-05	31~Jan-06	SP219	1205	∩ o	1 ug/	***************************************
Chloromethane	74-87-3	EPA 624	J17227-3	05-Dec-06	31~Jan-06	SP2-19	1205	ΠO	1 ug/l	
Chloroethane	76-00-3	EPA 624	J17227-3	05-Dec-05	31-Jan-06	SP219	1205	Πjū	lguil .	······································
Vinyl chloride	75-01-4	EPA 624	J17227-3	05-Dec-05	31-Jan-06	SP219	1205	0.0	Ziug/l	
Methylene chloride	75-00-2	EPA 624	J17227-3	05-Dec-05	31-Jan-06	SP219	1205	٥٦	1:ug/l	
Втопоботп	76-25-2	EPA 624	J17227-3	06-Dec-06	31~Jan-06	SP219	1205	ם מ	1;ng/l	
Bromodichloromethane	75-27-4	EPA 624	J17227-3	05-Dec-05	31~Jan-06	SP219	1205	מיח	1:ug/l	
1,1-Dichloroethane	75-34-3	EPA 624	J17227-3	05-Dec-06	31-Jan-06	SP219	1206	0.44;J	1;ug/l	
1,1-Dichlomethene	75-35-4	EPA 024	117227-3	05-Dec-05.	31~Jan-06	3P219	1206	Ωio	1;ng/l	***
Trichlorofluoromethane	75-69-4	EPA 624	J17227-3	05-Dec-05	31~Jan-06	SP219	1205	n;o	Ziug/l	
Dichlorodifluoromethane	75-71-8	EPA 624	J17227-3	05-Dec-05	31-Jan-08	SP219:	1205	0.0	2:ug/l	
1,2-Dichloropropane	78-87-5	EPA 624	J17227-3	05-Dec-06	31-Jan-08	SP219	1205) 0	1 iug/l	
1,1,2-Trichloroethane	79-00-6	EPA 624	J17227-3	05-Dec-06	31-Jan-06	SP219	1205	מוֹח	1:ug/l	
Trichloroethene	79-01-8	EPA 624	J17227-3	05-Dec-05	31~Jan-06	SP219	1205	nio	1,eug/l	
1,1,2,2-Tetrachloroethane	78-34-6	EPA 624	J17227-3	05-Dec-05	31~Jan-06	SP219	1205) 0	1;ng/l	
1,2-Dichlorobenzene	:95-50-1	EPA 624	J17227-3	05-Dec-05	31-Jan-06	SP219	1205	Πio	1:ug/l	
Hd		EPA 150.1	J17227-3A	05-Dec-05	31-Jan-08	SP219	1205	7.23	19.	
Oil And Grease		EPA 1664A	J17227-3A	06-Dec-05	31-Jan-08	SP218	1205	n o	5.1 img/l	
Cyanide	67-12-5	EPA 335.3	J17227-3A	05-Dec-05	31~Jan-06	SP219	1205	<u> </u>	0.01 mg/l	3
Aluminum, Total	7429-90-5	EPA 200.7	J17227-3A	05-Dec-05	31~Jan-06	SP219	1205	∩.o	100 ug/l	
(1701), Total 7439-69-6 EPA 200	7439-69-6	EPA 200.7	J17227-3A	05-Dec-05	31-Jan-06	9P219	1205	135	100;ng/l	•••
Lead, Total	7439-92-1	EPA 200.7	J17227-3A	. 05-Dec-05	31~Jan-06	SP219:	1205	O:O	3:49/	***************************************
Nickel, Total	7440-02-0	EPA 200.7	J17227-3A	05-Dec-05	31-Jan-06	SP219	1205	000	40 ug/l	
Arsenic, Total	7440-38-2	EPA 200.7	J17227-3A	05-Dec-05	31-Jan-06	SP219	1205	70	1/6n g	
Chromium, Total	7440-47-3	EPA 200.7	J17227-3A	05-Dec-05	31-Jan-08	SP210	1205	O O	10 ing/l	÷
Copper, Total 7440-50-8	7440-50-8	EPA 200.7	J17227-3A	05-Dac-06	31-Jan-06	SP219	1205	ΩÖ	25:ug/l	
Zinc. Total	7440-86-6	EPA 200.7	J17227-3A	06-Dec-05	31~Jan-06	8P219	1205	n o	20:ug/l	

Analyte	: 35%	Melled	Lateatruk	Chemmes and	Afficiation Date	Sample	Editation of A	BBUIL COUL	911VI 31 - 121	Valid Result Vali	P Poor 1
Aluminum, Dissolved 7429-90-5	•••••	EPA 200.7	J17227-3F	05-Dec-05	31-Jan-08	SP219	1205	٥٠	. 100 ug/l		-
Ethylbenzene	*****	EPA 624	J17227-4	06-Dec-05	31~Jan-06	 NY	TRIP BLANK	Ωo	1 ug/l	***************************************	
cis-1,3-Dichloropropene	10081-01-6	EPA 624	J17227-4	05-Dec-05	31~Jan-06	X	TRIP BLANK	n o	1 ug/l		
trans-1,3-Dichloropropene 10061-02-6	10061-02-6	EPA 624	J17227-4	05-Dec-05	31~Jan-06	¥	TRIP BLANK	ΩO	1,00/	· · · · · · · · · · · · · · · · · · ·	
0	106-46-7	EPA 624	J17227-4	05-Dec-05	31~Jan-06	ž	TRIP BLANK	ממ	1 100/	***************************************	
1,2-Dichloroethane	107-08-2	EPA 624	1172274	05-Dec-06	31~Jan-06	Ä	TRIP BLANK	no	1 ug/l		
Toluene	108-88-3	EPA 624	J17227-4	05-Dec-05	31~Jan-08	χ'n	TRIP BLANK	O:O	1 ug/l	***************************************	
Chlorobenzene	108-90-7	EPA 624	J17227-4	05-Dec-05	31-Jan-06	NN NN	TRIP BLANK!	ΩO	1 ug/l		
Dibromochloromethane	124-48-1	EPA 624	J17227-4	05-Dec-05	31~Jan-08	ΣŇ	TRIP BLANK	n o	1 ug/l		
Tetrachloroethene		EPA 624	J17227-4	05-Dec-05	31-Jan-06	¥	TRIP BLANK	n.o	1 ug/l	***************************************	:
Xylenes (total)	1330-20-7	EPA 624	J17227-4	05-Dec-05	⋅31~Jan-08	ž	TRIP BLANK	no	1 ug/	· · · · · · · · · · · · · · · · · · ·	
	168-59-2	EPA 824	J17227-4	05-Dec-05	31~Jan-06	Ž	TRIP BLANK	n o	l'ou!		
무	158-80-5	EPA 624	J17227-4	05-Dec-05	31~Jan-06	Ϋ́	TRIP BLANK	O O	1 ug/l		····
1,3-Dichlorobenzene	541-73-1	EPA 624	J17227-4	05-Dec-05	31~Jan-06	N Y Y	TRIP BLANK	Ωo	VBn:↓	6	:
Carbon tetrachloride	56-23-6	EPA 624	J17227-4	06-Dec-06	31~Jan-06	ZNO	TRIP BLANK	Ωio	/Bn:/		
Chloraform	67-86-3	EPA 624	J17227-4	05-Dac-05	31~Jan-06	UNK	TRIP BLANK	nio	/Bn L		
Benzene	71-43-2	EPA 624	J17227-4	05-Dec-05	31~Jan-06	Z	TRIP BLANK	ΩO	1,00/	***************************************	
1,1,1-Trichloroethane		EPA 624	J17227-4	05-Dec-05	31-Jan-06	ZNO	TRIP BLANK	n o	1 ug/l		:
Methyl bromide	74-83-9	EPA 824	J17227-4	05-Dec-05	31-Jan-06	ZNZ	TRIP BLANK	٥	/Bn	4 * * * * * * * * * * * * * * * * * * *	
Chloromethane		EPA 624	J17227-4	05-Dec-05	31-Jan-06	NY.	TRIP BLANK	nio	1 ng/l	**************************************	 !
Chloroethane		EPA 624	J17227-4	05-Dec-05	31~Jan-06	ZNS	TRIP BLANK	Ωįo	1, ug/l	**************************************	
Vinyl chloride	75-01-4	EPA 624	J17227-4	05-Dec-05	31-Jan-06	¥NO.	TRIP BLANK	סים	2 ug/l	## > 4 * * * * * * * * * * * * * * * * * *	
Methylene chloride	75-09-2	EPA 624	J17227-4	05-Dec-05	31-Jan-06	YNO.	TRIP BLANK	Dio.	/dn:L	;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;	
Вготобт	76-26-2	EPA 624	117227-4	05-Dec-05	31~Jan-08	SK	TRIP BLANK:	o:n	1:ug/l		
Bromodichloromethane		EPA 624	117227-4	05-Dec-05	31,-Jan-06	CNK	TRIP BLANK	nio	. 1;ug/l	••••	••••
1,1-Dichloroethane	76-34-3	EPA 624	117227-4	05-Dec-05	31~Jan-06	¥ N	TRIP BLANK	n:o	1 ug/l		
1,1-Dichloroethene	75-35-4	EPA 624	J17227-4	05-Dec-05	31~Jan-06	ž	TRIP BLANK	ם	1,00/l	· · · · · · · · · · · · · · · · · · ·	:·· ·
Trichlorofluoromethane	75-89-4	EPA 624	J17227-4	05-Dac-05	31~lan-06	ž	TRIP BLANK	Ωio	2:ug/l		:
Dichlorodifluoromethane	75-71-8	EPA 624	J17227-4	05-Dec-05	31-Jan-06	¥	TRIP BLANK	∩ 0	2:ug/l		
1,2-Dichloropropane	78-87-5	EPA 624	J17227-4	05-Dec-05	31~Jan-08	¥	TRIP BLANK	O:O	1:09/		
1,1,2-Trichloroethane		EPA 624	J17227-4	06-Dec-06	31~Jan-08	XNO	TRIP BLANK	∩:0	1։սց/	***************************************	
Trichlomethene	79-01-8	EPA 624	J17227-4	05-Dec-05	31~Jan-08	CNK	TRIP BLANK	Πö	1/Bn:L		
1,1,2,2-Tetrachloroethane 79-34-6	a 78-34-6	EPA 624	J17227-4	05-Dec-05	31~Jan-06	ZNO	TRIP BLANK	ņ	√Gn;L		
1,2-Dichlorobenzene	95-50-1	EPA 624	J17227-4	05-Dec-05	31-Jan-06	ž	TRIP BLANK	0.0	1 ug/		

J17227val.xla

4 of 4

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 three field QC trip blanks were collected from the Former Sinclair Refinery Site in Wellsville, New York on June 7, 2005 through June 10, 2005. These samples were received by Accutest Laboratories (Accutest) within one to two days of collection on June 9, 2005, June 10, 2005, and June 11, 2005. 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 4-6°C. All samples were received intact and in good condition at Accutest.

The analytical data packages generated by Accutest (Accutest Job #s J1158, J1260, and J1409) were received by On-Site within 17-20 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 and equipment blank contamination, instrument calibrations, laboratory duplicate precision, field duplicate precision, quantitation limits, and data completeness. The laboratory sample data were reviewed and may be qualified with the following validation flags:

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

The validated laboratory data were tabulated and are presented in the attached tables with the "Valid Result" and "Valid Code" columns representing changes in laboratory data resulting from data validation. Therefore, the positive aniline results for

samples OW1-605 and DUP1-605 were considered estimated and qualified "J" in the "Valid Code" column; the toluene results for samples MW78-605 and MW96-605 and the ethylbenzene result for sample MW7-605 were considered not detected at the quantitation limit as indicated in the "Valid Result" column and qualified "U" in the "Valid Code" column; and the benzene result for sample MW96-605 and the toluene and total xylenes results for sample MW7-605 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
- Quantitation limits
- Data completeness

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

It was noted that there were many noncompliant MS/MSD precision (relative percent differences; RPDs) and accuracy (percent recoveries; %Rs) measurements. However, since the MS/MSD samples were not designated spiked project samples, validation qualification was not warranted.

The field QC equipment blank EB2-605 associated with samples MW11-605, MW78-605, and MW10-605 contained toluene at a concentration of 0.74 μ g/L; the field QC equipment blank EB3-605 associated with samples MW96-605, MW71-605, MW70-605, OW4-605, OW1-605, and DUP1-605 contained BTEX at concentrations of 0.93, 3.2, 1.5, and 6.2 μ g/L, respectively; and the field QC equipment blank EB4-605 associated with samples MW7-605 and OW3-605 contained toluene, ethylbenzene, and total xylenes at concentrations of 1.4, 0.44, and 2.5 μ g/L, respectively. Therefore, all associated sample results less than the validation action concentrations were considered not detected and qualified "U".

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

SEMIVOLATILE ORGANIC ANALYSIS

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

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

These items were considered compliant and acceptable in accordance with the validation protocols with the exception of field duplicate precision and equipment blank contamination.

All field duplicate precision results were compliant and considered acceptable with the exception of the precision result for aniline (197%RPD) for the field duplicate pair OW1-605 and DUP1-605. Therefore, the aniline results were considered estimated and qualified "J" for these samples.

The field QC equipment blank EB3-605 associated with samples MW70-605, OW1-605, and DUP1-605 contained nitrobenzene at a concentration of 16.3 μ g/L; and the field QC equipment blank EB4-605 associated with sample OW3-605 contained nitrobenzene at a concentration of 9.2 μ g/L. Therefore, all associated sample results less than the validation action concentrations 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
- 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.

Analyta	TATE HOLD	Aphodama	absammd	29 In Sammer		Sample	S. Drafton are	Captill Toda	RE FINITE VALIDE ROOM	de Rondin Nation Code
Arsenic, Total	7440-38-2 i BV		J1158-1	07~Jun-05	09-Oct-05	MW89A	909	65.8	5 ug/1	
Ethylbenzene	100414	SW846 8260B	J1158-1	07~Jun-05	09-Oct-05	MW69A	605	0.61.J	1,00.1	
Toluane	108-88-3	SW846 8260B	J1168-1	07-Jun-05	09-Oct-05	MW69A	605	0.45.J	1 ug/l	
Xylene (total)	1330-20-7 .67		J1158-1	07~Jun-05	09-Oct-05	MW69A	605	0.31.1	1ug/l	
cis-1,2-Dichloroethene 158-59-2	158-59-2	SW846 B260B	J1158-1	07-Jun-05	09-Oct-05	MW69A	605	2.8	1 ug/l	
Вепзепе	71-43-2	SW848 8260B	J1158-1	07~lun-05	09-Oct-05	MW69A:	605	61.8	Tupl]
Vinyl chloride			J1168-1	07~Jun-05	09-Oct-06	MW69A	605	4.8	1 ug/l	
	7440-38-2:9V	SW846 6010B	J1158-2	08-Jun-05	0 0- Oct-06	MW55	605	67.6	5 ug/	
Ethylbenzene		SW846 8260B	J1158-2	08-Jun-05	09-Oct-06	MW65	605	56.2	1 ug/l	
	108-88-3	SW848 8260B	J1158-2	08-Jun-05	09-Oct-05	MW55	902	-	/bn:L	
	1330-20-7 9V	SW846 8260B	J1158-2	08-Jun-05	09-Oct-05	MW65	605	59.2	1,00/	**************************************
	71-43-2	SW846 8260B	J1158-2	08-Jun-05	08-Oct-05	MW55	689	25.5	1 ug/l	
Fotal	7440-38-2 SW	SW846 6010B	J1168-3	08~Jun-05	09-Oct-05	噩	805	n:o	5 ug/l	
	100414	SW848 8260B	J1158-3	08-Jun-05	09-Oct-05	EBI	605	Ωio	1; ng/l	
	108-88-3	SW846 8260B	J1158-3	08-Jun-05	09-Oct-05	EBJ	605	oio	1;ng/l	
	1330-20-7 :SV	SW846 8260B	J1158-3	08-Jun-05	09-Oct-05	EBI	605	Oio	1:ug/l	
cis-1,2-Dichlomethene 156-59-2	158-59-2	SW846 8260B	11158-3	08~Jun-05	09-Oct-05	图	605	Ωio	1 Lugh	
Вепделе	71-43-2	SW846 8260B	J1158-3	08-Jun-05	09-Oct-05	EBI	605	n o	1 iug/l	
orida	75-01-4	SW846 8260B	J1158-3	. 08-Jun-05	09-Oct-05	EBi	605	οin	1;ng/l	
Arsenic, Total	7440-38-2 SV		11158-4	08~Jun-05	09-Oct-05	MMD	606	Οïο	5 ug/l	
	100-41-4	SW846 8260B	J1158-4	08-Jun-05	00-Oct-05	MMO	805	٥	i TiugA i	
	108-88-3	BW648 8260B	J1158-4	08-Jun-05	09-Oct-05	. WW9	905	70	ן המתן ו	
total)		ó	11168-4	08-Jun-05	09-Oct-05	MW8	605	o C	1;ng/l	
	71-43-2	SW846 8260B	J1158-4	08-Jun-05	09-Oct-05	MWB	605	Ωio	1:ug/l	
디티			J1158-5	08-Jun-05	09-Oct-05	MW11	605	52.4	5 ug/l	
Ethylbenzene	100474	SW848 8250B	J1158-6	08-Jun-05	09-Oct-05	: MW11	605	n o	Tingi	
Toluene		SW846 8260B	J1158-5	08-Jun-05	09-Oct-05	: MW11	605	ם ס	1;ng/l	
Xylene (total)	Τ.	330-20-7 SW846 8260B	11168-5	08-Jun-05	09-Oct-05	MW11	605	٥	1'Bn:	
Вепzепе	71-43-2	SW846 8260B	.11158-5	08-Jun-05	09-Oct-05	MW11	805	0.79.J	1:ug/l	
Ethylbenzene	100-41-4	SW846 8260B	J1158-6	. 08-Jun-05	09-Oct-05	ž	TRIP BLANK) O	Tiug/l	
Toluene		SW846 8260B	J1158-B	08~Jun-05	09-Oct-05	ž	TRIP BLANK	ე:o	1 ug/l	
Xylene (total)	1330-20-7	7 :SW846 8260B	J1158-6	08-Jun-05	09-0c1-05	Š	TRIP BLANK	מפֿר	1'dn!	
cie-1,2-Dichloroethene 156-59-2	168-69-2	SW846 8260B	J1168-6	08-Jun-05	09-Oct-05	¥	TRIP BLANK	ე 0	1 ug/l	
Вепzеле	71-43-2	SW846 8260B	J1158-8	08~lun-05	09-Oct-05	ž	TRIP BLANK	Ωio	1;ug/l	
Vinyl chloride	75-01-4	SW846 8260B	J-158-6	08~Jun-05	09-Oct-05	ž	TRIP BLANK	ე. 0	1jug/l	

CONTRACTOR MENTION AND ASSESSED OF THE STATE	1110000111	**************************************	E Disambire du	STREET, YOUR HIGHER	Valida जिस्ता क्रिजिन्डि		TO CATOMIC SET		HE STATES VIIII	f Result Valid Code
Arsenic, Total	7440-38-2 SW846	SW848 6010B	J1260-1	08~Jun-05	· 09-Oct-05	MW78	605	27.2	6; ug/l	
Ethylbenzene 10	784 4	SW846 8260B	J1280-1	08-Jun-05	0 9- Oct-05	MW78	605	n;o	1 iug/l	
Toluene	989-9	SW846 8260B	J1260-1	08-Jun-05	09-Oct-05	MW78	605	0.29;J	1;ng/l	7.
Xylene (total) 13	30-20-7	SW846 8260B	J1280-1	08-Jun-05	09-Oct-05	MW78	902	0.31:J	Tiug/	
	43-2	SW846 8260B	J1260-1	08-Jun-06	09-Oct-05	MW78	605	25.9	1:ug/l	••••
Аzорепzепе	103-33-3	SW846 8270C	J1260-2	08-Jun-05	08-Oct-05	MW10	909	οë	Gug/l	
	495-48-7	SW846 8270C	J1280-2	08-Jun-05	08-0<1-05	MW10	805	οįο	5:ug/l	
Aniline	62-63-3	SW846 8270C	J1260-2	08~Jun-05	09-Oct-05	MW-10	605) Ö	2: ug/l	
		SW848 8270C	11280-2	08-Jun-05	08-Oct-05	MW10	909	Ωįο	20; ug/l	•••
	98-95-3	SW846 8270C	31280-2	08-Jun-05	09-Oct-05	: MW10	605	οġο	. 2; ug/]	
_	7440-38-2	SW846 6010B	J1260-2	08-Jun-05	09-Oct-05	MW10	605	34.8	5j ug/l	
Ethylbanzana	100-41-4	SW846 8260B	.11260-2	08-Jun-05	09-Oct-06	MW10	605	ÜÜ	T'ugu'T	
Toluene	108-88-3	SW846 8260B	J1280-2	08-Jun-05	09-Oct-05	MW10	605	OëO	Ting/I	
Хувпе (total)	1330-20-7	SW846 8260B	J1280-2	08-Jun-05	09-Oct-05	MWIO	605	D;0	1 tug/l	
cis-1,2-Dichlomethene : 158-59-2		SW846 8260B	J1260-2	08~Jun-05	09-Oct-05	MW10	605	οëΩ	1; ug/l	• • • •
Вепzепе		SW846 8260B	J1260-2	08-Jun-05	09-Oct-05	MW10	805	1.1	1, ug/l	
Vinyl chloride	75-01-4	SW846 8260B	•	08-Jun-05	09-Oct-05	MW10	605	Ö	1;ug/l	
Azobenzene	103-33-3	SW846 8270C		. 30-Jun-06	08-Oct-05	EB2	605	ה	. 5i ug/l	***************************************
	495-48-7	SW846 8270C		08-Jun-05	09-Oct-05	EB2	605	п; о	Si ug/l	
Aniline	62-53-3	SW848 8270C		08-Jun-05	09-Oct-05	EB2	605		2; ug/l	
2-Aminophenol	95-55-6	SW846 8270C		08-Jun-05	09-Oct-05	EB2	909	J	20:ug/l	***
Nitrobenzene	88-85-3	SW846 8270C		08-Jun-05	09-Oct-05	EB2	805	مة	2:119/1	***************************************
Arsenic, Total	7440-38-2	2 SW846 6010B		08-Jun-05	09-Oct-05	EB2	905	٥٥	e ugy	
Ethylbenzene	100414	SW846 8260B	_	08-Jun-05	.09-Oct-05	EB2	805	ņ	1,0g/l	.,,,,
Toluene	108-88-3	108-88-3 SW846 8260B		08-Jun-05	0 9- Oct-06	EB2	909	0.74.J	1'gu]	
Xylene (total)	1330-20-	1330-20-7 SW846 8260B		08-Jun-05	09-Oct-05	EB2	805) 0	1 up/	***************************************
cis-1,2-Dichloroethene 156-59-2	166-69-2	SWB	J1260-3	08-Jun-05	09-0ct-05	EB2	605	⊐ ö	1 ug/l	
Benzene	71-43-2	SW846 8260B	J1260-3	08-Jun-05	09-Oct-05	EBZ	905	n Ö	1:ug/l	
Vinyl chloride	75-01-4	SW846 8260B	11260-3	08~Jun-05	09-Oct-05	EB2	605	٥٦	1:10/	
Ethylbanzene	100-41-4	SW846 8260B	J1260-4	09-Jun-05	09-Oct-05	ž	TRIP BLANK	고	1 ug/	***************************************
Toluene	108-88-3	SW846 8260B	J12604	09-Jun-05	09-Oct-05	ž	TRIP BLANK	٥٥	1 ug/l	
Xylene (total)	1330-20-7	7 SW846 8280B	J1260-4	09-Jun-05	09-Oct-05	ž	TRIP BLANK	ΠÖ	1 ug/l	
roethene	156-59-2	SW8	J1260-4	08-Jun-05	09-Oct-05	ž	TRIP BLANK	⊃ 0	1 ug/l	
Benzene	71-43-2	SW846 8260B	J12504	09~Jun-05	. 09-Oct-05	Š	TRIP BLANK	O.O	1 ug/	***************************************
Vinyl chloride	7507	SW846 8260B	J12804	09-Jun-05	09-Oct-05	ž	TRIP BLANK	ם ס	1,00,1	
***************************************		***************************************	***************************************		A					

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6 ug. 1 ug. 1;ng: 1 ug/ 1 ug/ 1 ug/

41.4 0.44.J 0.0 0.0 0.0 0.0 0.0

MW96 MW71 MW71

09-Oct-05

MW96 MWB6

08-Jun-05 09-Jun-05 09-Jun-05

31280-6

100-41-4 SW846 8260B 108-88-3 SW846 8260B 1330-20-7 SW846 8260B

Ethylbenzene

Arsenic, Total

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09-Oct-05 09-Oct-05 09-Oct-05 09-Oct-05

MW96

09-Oct-06

Editablica (Samples and Didinarios)

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SW846 6010B

1.50 1,49/1 1 40 10 4 J. LE

805 805 805 805 805 805 805 805 805

09-Oct-05 09-Oct-05 08-Oct-05 08-Oct-05

09-Jun-05
09-Jun-05
09-Jun-05
09-Jun-05
09-Jun-05
09-Jun-05
09-Jun-05
09-Jun-05

J1280-8

J1280-6

71-43-2 3W848 B280B 7440-38-2 3W848 6010B 100-41-4 SW848 B280B 108-88-3 SW848 B280B 1330-20-7 SW848 B280B 71-43-2 SW848 B280B 7440-38-2 SW848 6010B

J1280-6

7280-6

Benzene Arsenic, Total

Xylene (total)

Toluene

Ethylbenzene Xylene (total) Arsenic, Total Ethylbenzene

Toluene

Benzene

1280-5

J1280-6 J1280-7

11280-7

J1280-7

100-41-4 SW846 8260B

1330-20-7 SW846 8260B 71-43-2 SW846 8260B

Xylene (total) Benzene

Toluene

1.ug/

12.4 0.0 0.0 0.0

MW71 MW71 OW4 OW4 OW4

08-Oct-05 08-Oct-05

09-Oct-05

09-Jun-05 09-Jun-05

٨٠٠١١١	LOWER C CO CO.	יי טעלטט פויסיווים:	7 00771		10.000				The state of the s		
***************************************	3055	20/20 0+0/40:			60-100-100 100-100	- CAN	605	2230	100;ng/		
Araenlo, Total	7440-38-2 SWB4	SW846 6010B	J1409-1	08-Jun-06	0 0-0ct-05	- OW1	605	71.5	5 ug		
Azobenzene		SW846 8270C	J1409-1	08-Jun-05	09-Oct-05	IMO.	605		2 ug/l		
Аzохурепzепе :495-46-7		SW646 8270C	J1409-1	09-Jun-05	09-Oct-05	I-MO	905	70	6 ug/l		
2-Aminophenal :95-55-8		SW846 8270C	J1409-1	09-Jun-05	09-Oct-05	- IMO	805	סכ	20; ug/l		
Nitrobenzene	38-05-3	SW846 8270C	11409-1	09-Jun-05	09-Oct-05	 Mo	605	Πö	2,44/	-	
Ethylbenzene	100-41-4	SW846 8260B	J-409-1	09-Jun-05	09-Oct-05	₽	805	0.683.0	Tiug/		
foluene	108-88-3	SW846 8260B	J1409-1	09~lun-05	09-Oct-05	owi	605	23	1:ug/l		
	1330-20-7	1330-20-7 SW848 BZ60B	Ť	09~Jun-05	09-Oct-05	ŏ	805	1.7	1,44/		
Benzene	:71-43-2	SW846 8260B	J1409-1	09-Jun-05	09-Oct-05	IWO	805	424	1,110		
Arsenic, Total	7440-38-2	SW846 6010B		09-Jun-05	09-Oct-05		605	70.7	6: ug/l		
Azobenzene	103-33-3	SW848 8270C		09-Jun-05	09-Oct-05	PUP	605	סמ	5:ud/		
Azoxybanzana	495-48-7	SW846 8270C		09-Jun-05	09-Oct-05		605	חַס	5 ug/l	<u></u>	
Aniline	62-53-3	62-53-3 SW846 8270C	J1409-2	09-/un-05	09-Oct-05	- POP-	605	14.9	2 ug/l		
2-Aminophenol ;95-55-6	95-55-6	SW848 8270C	J1409-2	08-Jun-05	09-Oct-05	DQP-1	605	ספר	20: ug/l		
Nitrobenzene	98-95-3	SW848 8270C	J1409-2	09~Jun-05	09-Oct-05	1-dng	605	ם ָּה	Z'ug/l		
Ethylbenzene	414-001	SW846 8260B	J1409-2	08-Jun-05	09-Oct-05	DUP1	පිටරි	0.56.J	1, ug/l		
roluene	:108-88-3	SW846 B250B	J1409-2	09-Jun-05	09-Oct-05	D.P.	605	24	1:ug/l		
Xylono (total)	1330-20-7 SWBA	SW848 8260B	11409-2	09-Jun-05	09-Oct-05	뎔	605	1.8	1 ug/l		
Вепzепе	71-43-2	SW846 8260B	J1409-2	09-Jun-05	09-Oct-05	PUP1	605	41.6	l'ug/	ļ	
Nitrobenzene	*****	SW846 8270C	J1409-3	09-Jun-05	09-Oct-05	MW70	605	6780	200; ug/l	<u></u>	
Arsenic, Total	••••	7440-36-2 SW646 60106	J1409-3	09-Jun-05	09-Oct-05	MW70	900	42	6 00/1		
Аzорепzепе	103-33-3	SW846 B270C	J1409-3	08~Jun-05	09-0ct-05	MW70	905	0.0	5 ug/l		
Azoxybenzene		SW846 8270C	J1408-3	09~lun-05	09-Oct-05	MW70	605	ΩO	Pan 9	ļ	
Aniline	62-63-3	SW846 B270C	J1409-3	08-Jun-05	08-Oct-05	MW70	8	86,3	2 ug/l		
_,,	95-55-8	SW846 8270C	J1409-3	09-Jun-05	09-Oct-05	MW70	605) O	20 up/l		
	100414	SW846 8260B	J1409-3	09-Jun-05	09-Oct-05	MWZO	605	15.8	1 tug/l	.,	
Toluene	108-88-3	SW846 8260B	J1409-3	09-Jun-06	09-Oct-05	: MW70 :	605	39.4	15ug/1		
Xylene (total)	****	7 SW846 8260B	J1409-3	09-Jun-05	09-Oct-05	: MW70	605	74.8	1 ug/l		
Benzene	71-43-2	SW846 8260B	J1409-3	09~Jun-05	09-Oct-05	: MW70	605	16.3	1; ug/l		
Arsenic, Total	7440-38-2 SWB	SW846 6010B	J1409-4	10~Jun-05	0 0 -Oct-05	MW7	605	18.2	5: ug/l		
Ethylbenzene	100-41-4	SW846 8260B	J1409-4	10-Jun-05	09-Oct-05	MW7	605	L.7.0	TugA	=======================================	
Toluene		SW846 8260B	J1409-4	10~Jun-05	09-Oct-05	: MW7	605	2.8	1 ugu	1	1
Xylene (total)	1330-20-7 SW8/	7 SW846 8260B	11409-4	10-Jun-05	09-Oct-05	: MM1	605	4.6	Tug/l		
Donaton	24 70 0	Good of other	HADDA	10 1:10	20 1-0 00		500	10			

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Nitrobenzene	98-85-3	SW846 8270C	•	10-Jun-05	09-Oct-06		605	9030	200 ug/l	-
Arsenic, Total	7440-38-2	SW846 6010B	J1409-5	10-Jun-05	09-Oct-05		605	23.9	5 ug/l	
	103-33-3	103-33-3 SW846 8270C		10-Jun-05	09-Oct-05	O MB	805		5 ug/l	
91182	495-48-7	SW846 8270C	1409-6	10-Jui-05	09-Oct-05		805	O.O.	5.ug/l	
	62-63-3	SW846 8270C	-	10-Jun-05	09-Oct-05		605	49.8	2 ug/l	
2-Aminophenol	95-55-8	SW846 8270C;	•	10-Jun-05	09-Oct-05		605	Ωįo	20; ug/l	-
Ethylbenzene	100-41-4	3W848 8260B	•	10-Jun-05	09-Oct-05		605	8.8	1:ug/l	
foluene	108-88-3	SW846 8260B	•	10-Um-05	09-Oct-05		605	20.6	1 ug/l	
Xylene (total)	1330-20-7	SW846 8260B		10-Jun-05	09-Oct-05		605	65.9	1 ug/l	
: :	71-43-2	SW846 8260B		10-Jun-05	09-Oct-05		605	α (C)	1901	
디디	7440-38-2	SW846 6010B		10-Jun-05	09-Oct-05		4-605	Ŋ	6 ug/l	
	103-33-3	SW846 8270C		10~Jun-05	09-Oct-05		4-505	ņ	5 ug/l	
Azoxybenzene :495-48-7	495-48-7	SW846 8270C;		10-Jun-05	09-Oct-05		4-505	nio	5.ug/l	
Aniline	62-53-3	SW846 8270C		10-Jun-05	09-Oct-05		4-805	οëΩ	2. ug/l	
2-Aminophenol	95-56-8	SW846 8270C		10-Jun-05	09-Oct-05		4-605	ņ	20 ug/l	
Nitrobenzene	98-95-3	SW846 8270C	: :	10~Jun-05	09-Oct-05		4-605	9.2	Zug/l	
Ethylbenzene	100-41-4	SW646 8260B	:	10~lun-05	09-Oct-05		4-605	0.44:J	1:ug//	
Toluene	108-88-3	SW846 8250B	:	10-Jun-05	09-Oct-05		4-505	4.	1:ug/l	
Xylene (total)	1330-20-7	SW846 8260B		10~lun-05	09-Oct-05		4-605	25	1 ug/l	
Вепzепе	71-43-2	SW846 8260B		10-Jun-05	09-Oct-05		4-805	ΠÖ	i dupil	
Ethylbenzene	100-41-4	SW846 8260B		10-Jun-05	09-Oct-05		TRIP BLANK	⊐.ö	1; ngu i	
Taluene	108-88-3	SW846 8260B	: :	10-Jun-05	08-Oct-05		TRIP BLANK	Ü	1 ug/l	
(테리)	1330-20-7	:9W846 8260B	: :	10-Jun-05	09-Oct-06		TRIP BLANK	o.c	1 ug/l	
	71-43-2	SW846 8260B		10-Jun-05	09-Oct-05		TRIP BLANK	<u></u>	1:09/	
Arsenic, Total	7440-38-2	SW846 6010B		08-Jun-05	09-Oct-05		3-605	Ωö	5:ug/l	
Azobenzene	103-33-3	SW846 8270C	: ;	08-Jun-05	09-Oct-05		3-605	Ωö	: 5jug/l	
Azoxybenzene	495-48-7	SW846 8270C		08-Jun-05	0 9-0 ct-0 5		3-605	•	5; ug/l	
Aniline	62-53-3	SW846 8270C	: :	08-Jun-05	09-Oct-05		3-605	ΩÖ	: 2:ug/l :	
2-Aminophanol :95-55-8	95-55-8	SW846 8270C	J1409-B	09-Jun-05	0 9: Oct-05		3-805	<u> </u>	. 20; ug/l	
Nitrobenzene	98-65-3	SW846 8270C	J1409-B	09-Jun-05	09-Oct-05		3-805	16.3	2:ug/l	
Ethylbenzene	100-41-4	SW846 8260B	J1409-8	09-Jun-06	08-Oct-05		3-806	,	1;ng/l	
Toluene	-	SW846 8280B	J1409-B	08-Jun-05	09-Oct-05		3-605	3.2	/6n;L	
Хујеле (total)	1330-20-7 SWB	SW846 8260B	J1409-8	09-Jun-05	09-Oct-05		3-605	6.2	i Tiug/l	
Велгепе	7143-2	SW846 8260B	J1409-8	09-Jur-06	09-Oct-05		3-605	0.83 J	1 ug/l	

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