GW - 319

MONITORING REPORTS

DATE:

August 28, 2002

New Mexico Oil Conservation Division
Messrs. Roger Anderson and Wayne Price
1220 S. St. Francis Dr P. O. Box 6429
Santa Fe, NM 87505-5472

RE: Discharge Plan GW-319
Hobbs, NM Facility
Lea County, NM

Subject: Withdrawal of Abatement Plan Requirement

Dear Sirs:

I appreciate your understanding and withdrawal of the required abatement plan with regards to Discharge Plan GW-319. We have already begun clean-up actions as outlined in the August 1, 2002 proposal submitted by Safety & Enviromental Solutions on our behalf.

Still, I remain concerned that there has not been any acknowledgment from the OCD of Mrs. Bobbie Skelton's May 17, 2002 letter in which she, as Skelton Oil Co., assumes total responsibility for the sludge pit, its contents, and the 250 bbl. and 500 bbl. tanks in the back of the yard. I feel these are very important factors in this ongoing issue and should be made part of the record.

Again, I assure you we are making every effort to abide with the clean-up plan and hope to have this resolved in a timely manner.

Sincerely,

Bobby L. Strasner,
President

R&R Service Co., Inc.
P. O. Box 1409
Hobbs, NM 88241-1409

Cc: Safety & Enviromental Solutions, Inc.
Montgomery & Andrews, P.A., Ned Kendrick
Senator Carroll Leavell

NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

GARY E. JOHNSON
Governor
Betty Rivera
Cabinet Secretary

Lori Wrotenbery
Director
Oil Conservation Division

August 19, 2002

CERTIFIED MAIL
RETURN RECEIPT NO. 3929 9567

Mr. Bob Strasner
R&R Service Co.
1500 W. Broadway Place
Hobbs, New Mexico 88240

RE: Discharge Plan GW-319
Hobbs, New Mexico Facility
Lea County, New Mexico

Subject: Withdrawal of Abatement Plan Requirement

Dear Mr. Strasner:

The New Mexico Oil Conservation Division (OCD) sent R&R Service Co. (R&R) a letter dated February 18, 2002 requiring R&R to submit an abatement plan pursuant to section 74-6-10.1 of the New Mexico Statutes and WQCC Regulation 4101 (20 NMAC 6.2.4101). As a result of negotiations between OCD and R&R, and a commitment by R&R to perform clean-up actions at the site as a discharge plan permit condition, OCD hereby withdraws its requirement of an abatement plan and approves of the planned actions detailed in the letter dated August 01, 2002 submitted by Safety & Environmental Solutions on behalf of R&R.

Please be advised that NMOCD approval of this action plan does not relieve R&R of liability should their operations fail to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD approval does not relieve R&R of responsibility for compliance with any other federal, state, or local laws and/or regulations.

If you have any questions, please contact Wayne Price of my staff at (505-476-3487) or E-mail WPRICE@state.nm.us.

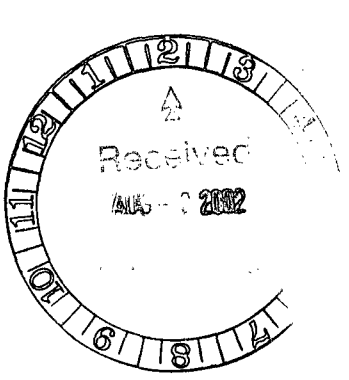
Sincerely,

Roger C. Anderson
Environmental Bureau Chief

RCA/lwp

cc: OCD Hobbs Office
Safety & Environmental Solutions
Ned Kendrick-Attorney at Law
David Brook-OCD legal counsel

STATE OF NEW MEXICO
WATER QUALITY CONTROL COMMISSION



IN THE MATTER OF THE INFORMAL APPEAL PETITION FOR REVIEW OF ABATEMENT ACTION DATED FEBRUARY 18, 2002,

R&R Service Company, Inc.,
Petitioner

UNOPPOSED MOTION FOR EXTENSION OF TIME FOR RESOLUTION OF INFORMAL APPEAL

Petitioner, R&R Service Company, Inc. ("R&R Service"), hereby files its motion pursuant to 20 NMAC 1.3.200.C.3 for an order extending the time period for resolution of matters raised in R&R Service's informal Appeal Petition for 18 days. The requested extension of time would allow R&R Service to continue negotiations with the New Mexico Oil Conservation Division ("OCD") until August 20, 2002 prior to filing a formal Appeal Petition herein.

As reasons therefor, R&R Service asserts that negotiations with OCD have been ongoing and that R&R Service believes chances are favorable that the parties will be able to resolve all matters raised in the informal Appeal Petition by August 20, 2002. R&R Service has contacted OCD and has obtained OCD's concurrence in the granting of this motion.

Respectfully submitted,

MONTGOMERY & ANDREWS, P.A.

By _____
Edmund H. Kendrick
P.O. Box 2307
Santa Fe, NM 87504-2307
(505) 982-3873

Attorneys for Petitioner R&R Service Company, Inc.

CERTIFICATE OF SERVICE

I hereby certify that a true and correct copy of the foregoing Unopposed Motion for Extension of Time for Resolution of Informal Appeal was hand-delivered to the Director of the New Mexico Oil Conservation Division on August 2, 2002.

_____
Edmund H. Kendrick

M:\Attorneys\EHK\R & R\UNOPPOSSED MOTION 061802.wpd

COPY

STATE OF NEW MEXICO
WATER QUALITY CONTROL COMMISSION

IN THE MATTER OF THE INFORMAL APPEAL PETITION FOR REVIEW OF ABATEMENT ACTION DATED FEBRUARY 18, 2002,

R&R Service Company, Inc.,
Petitioner

INFORMAL APPEAL PETITION OF R&R SERVICE COMPANY, INC. FOR REVIEW OF THE REQUIREMENT OF THE NEW MEXICO OIL CONSERVATION DIVISION TO SUBMIT AN ABATEMENT PLAN

Petitioner, R&R Service Company, Inc. ("R&R Service"), hereby files its informal appeal petition ("Petition") pursuant to Section 4114 of 20 NMAC 6.2 and Section 200.C. of 20 NMAC 1.3 for review of a requirement to submit an abatement plan ("Abatement Action") issued by the New Mexico Oil Conservation Division ("OCD") in its certified letter to R&R Service dated February 18, 2002. R&R Service objects to the Abatement Action. A copy of the February 18, 2002 letter containing the Abatement Action under appeal is attached as Exhibit A. Because OCD has required R&R Service to submit an abatement plan, R&R Service certifies that it has standing under Section 4114 of 20 NMAC 6.2 to file this Petition. R&R Service hereby waives its right to a hearing on this Petition within ninety (90) days. In support of this Petition, R&R Service states as follows:

1. R&R Service provides painting, sand blasting and tank coating services to customers in the oil and gas industry at 1500 W. Broadway Place, Hobbs, New Mexico (the "Site").

2. R&R Service has operated its business at the Site under a lease from

Bobbie O. Skelton, Skelton Oil Company since June 10, 1991.

3. When R&R Service began operating at the Site, an oily pit containing drums, two above-ground storage tanks containing sludge, and other oilfield waste and equipment existed at the Site.

4. R&R has not deposited any waste in the oily pit and has not deposited any waste in the above-ground storage tanks that it has not removed.

5. In a letter dated December 6, 1999, OCD required R&R Service to submit a discharge plan for the Site.

6. R&R Service submitted a discharge plan application to OCD, and, by letter dated October 24, 2000, OCD approved the application as Discharge Plan GW-319.

7. On May 3, 2001, OCD collected samples of potential contamination at the Site.

8. R&R Service received copies of the analytical results of the May 3, 2001 sampling from OCD on February 22, 2002, as an enclosure to the February 18, 2002 letter containing the Abatement Action now under appeal.

9. OCD claims that these analytical results justify the Abatement Action.

10. The Abatement Action is unlawful for the following reasons, among others:

A. **Section 4114 of 20 NMAC 6.2 recognizes that Sections 1203.A.9, 3109.E.4 and 4105.B are the only regulatory provisions under which an abatement plan can be required, and none of those provisions apply to R&R Service.** Section

1203.A.9 is inapplicable because it addresses discharges in the absence of a discharge plan. In this case, Discharge Plan GW-319 applies to the Site. Section 4105.B is inapplicable because it addresses a determination by OCD that abatement of water pollution under an authority other than an abatement plan is unsuccessful. Specifically, Section 4105.B.6 is inapplicable because it addresses abatement of water pollution under a ground water discharge plan where the abatement is consistent with certain abatement plan regulatory provisions. Section 3109.E.4, cited in Section 4114, does not exist; the Water Quality Control Commission ("WQCC") must have intended to refer to Section 3109.E.1. That provision allows OCD to require an entity operating under a discharge plan to modify the discharge plan to abate water pollution. Because R&R Service is operating under a discharge plan, Section 3109.E.1 is potentially applicable. However, the action potentially authorized would be for OCD to modify the existing discharge plan, rather than to require an abatement plan.

B. **R&R Service is not a "responsible person" as defined in Section 1101.KK. of 20 NMAC 6.2, with respect to contamination on the Site prior to R&R Service's lease of the Site beginning on June 10, 1991.** WQCC Regulations indicate that the owner or operator of a facility who actually caused contamination is the"responsible person" with respect to

abatement. See Section 1203.A.9 (obligations of a "facility owner/operator" when that person has reported a current discharge); Section 3109.E.1 (requirement that a "discharger" modify a discharge plan); Section 1311.E (responsibility for a discharge plan linked to "any act or omission which occurred while that person owned, controlled or was in possession of the facility"); Section 4104.B (designation of responsible persons by transferor and transferee of an abatement plan not binding on OCD). See also New Mexico Oil Conservation Commission ("OCC") Order No. R-11134-A (OCC allocation of remediation responsibility between PNM and Burlington based on the principle that each party is responsible for the contamination generated by that party).

C. **R&R Service is not responsible for a "discharge" as that term is defined in Section 1203.C.1 of 20 NMAC 6.2.** A discharge is an action resulting in "a reasonable probability that the discharged substance will reach surface or subsurface water." Id. There is no evidence that R&R Service has caused such an occurrence.

D. **In addition to the absence of a legal basis to require R&R Service to submit an abatement plan, there is no legal basis to require R&R Service to modify its discharge plan under Section 3109.E.1 of 20 NMAC 6.2.** In order for that section to apply, there must be an actual or threatened "exceeding of

standards in ground water at any place of withdrawal for present or reasonably foreseeable future use...due to the discharge." Id. Because OCD has not demonstrated that R&R Service is responsible for a discharge that has contaminated or threatened to contaminate ground water in excess of standards, there is no legal basis for OCD to require R&R Service to modify its discharge plan.

WHEREFORE, based on the foregoing, Petitioner R&R Service Company, Inc. respectfully requests that the Water Quality Control Commission grant the following relief:

A. That the WQCC will determine that this Informal Appeal Petition is in compliance with Section 4114 of 20 NMAC 6.2 and Section 200.C. of 20 NMAC 1.3;

B. That R&R Service will have the opportunity to negotiate a resolution of this matter with OCD for a period of 90 days after the filing this Informal Appeal Petition;

C. That if such negotiations are not successful, R&R Service will have the right to file a Formal Appeal Petition in this matter with the WQCC within 90 days after the filing of this Informal Appeal Petition, and such Formal Appeal Petition will be accepted by the WQCC as timely.

Respectfully submitted,

MONTGOMERY & ANDREWS, P.A.

By _____
Edmund H. Kendrick
P.O. Box 2307
Santa Fe, NM 87504-2307
(505) 982-3873

Attorneys for Petitioner R&R Service Company, Inc.

CERTIFICATE OF SERVICE

I hereby certify that a true and correct copy of the foregoing Informal Appeal Petition was hand-delivered to the Director of the New Mexico Oil Conservation Division on March 20, 2002.

_____
Edmund H. Kendrick

M:\Attorneys\EHK\R & R\R&R INFORMAL APPEAL 031802.wpd

NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

GARY E. JOHNSON
Governor
Betty Rivera
Acting Cabinet Secretary

Lori Wrotenbery
Director
Oil Conservation Division

February 18, 2002

CERTIFIED MAIL
RETURN RECEIPT NO. 5357 7195

Mr. Bob Strasner
R&R Service Co.
1500 W. Broadway Place
Hobbs, New Mexico 88240

RE: Discharge Plan GW-319
Hobbs, New Mexico Facility
Lea County, New Mexico

Dear Mr. Strasner:

New Mexico Oil Conservation Division (NMOCD) inspectors Wayne Price and Paul Sheeley conducted a Discharge Plan inspection on May 03, 2001 at the R&R Service Co. facility located at 1500 W. Broadway Place, Hobbs New Mexico. The inspection consisted of soil and sludge sampling conducted by Wayne Price and Paul Sheeley. Enclosed is a copy of the inspection report along with the analytical results of the sampling.

Analytical results from soil and sludge samples collected at the site revealed EPA RCRA hazardous constituents and contaminants that exceeded the Standards for Ground Water listed in WQCC Regulation 3103 (20 NMAC 6.2.3103), and the presence of Toxic Pollutants as defined in WQCC Regulation 1101.TT (20 NMAC 6.2 1101.TT).

Since hazardous constituents were found in the some of the samples collected OCD has referred this case to the New Mexico Environment Department. Please contact Ms. Debby Brinkerhoff at 505-428-2528 concerning hazardous waste issues.

OCD hereby requires R&R Service Co. to submit an Abatement Plan pursuant to Section 74-6-10.1 of the New Mexico Statutes and WQCC Regulation 4104 (20 NMAC 6.2.4104) by March 15, 2002.

Failure to respond to this requirement may result in a compliance order being issued pursuant to Section 74-6-10, NMSA 1978, against R&R Service Co. requiring R&R Service Co. to comply with the requested actions and may include civil penalties.

If you have any questions, please contact Wayne Price of my staff at (505-476-3487) or E-mail WPRICE@state.nm.us.

Sincerely,

Roger C. Anderson
Environmental Bureau Chief

RCA/lwp
Attachment-2

xc: OCD Hobbs Office
D. Brinkerhoff-NMED

TRACEANALYSIS, INC.

6701 Aberdeen Avenue, Suite 9 Lubbock, Texas 79424 800•378•1296 806•794•1296 FAX 806•794•1298
155 McCutcheon, Suite H El Paso, Texas 79932 888•588•3443 915•585•3443 FAX 915•585•4944
E-Mail: lab@traceanalysis.com

Analytical and Quality Control Report

Paul Sheeley
OCD
1220 S. Saint Francis Dr.
Santa Fe, NM 87504

Report Date: July 17, 2001

Order ID Number: A01050435

Project Number: N/A
Project Name: R&R Service Co.
Project Location: R&R Service Co.

Enclosed are the Analytical Results and Quality Control Data Reports for the following samples submitted to Trace-Analysis, Inc.

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
170575	0105030830	Solid	5/3/01	SAND BLAST WASTE PILE - SURFACE	5/4/01
170576	0105030845	Solid	5/3/01	WEST TANK	5/4/01
170577	0105030850	Solid	5/3/01	EAST TANK	5/4/01
170578	0105030900	Solid	5/3/01	SAND BLAST WASTE PILE - 1.5-2.5'	5/4/01
170579	0105030905	Solid	5/3/01	SAND BLAST WASTE PILE - SURFACE CHIPS	5/4/01
170580	0105030935	Sludge	5/3/01	UNLINED WASTE PIT -	5/4/01

These results represent only the samples received in the laboratory. The Quality Control Report is generated on a batch basis. All information contained in this report is for the analytical batch(es) in which your sample(s) were analyzed.

This report consists of a total of 42 pages and shall not be reproduced except in its entirety including the chain of custody (COC), without written approval of TraceAnalysis, Inc.

Dr. Blair Leftwich, Director

Analytical Report

Sample: 170575 - 0105030830 SAND BLAST WASTE PILE SURFACE SAMPLE

Analysis: BTEX | Analytical Method: S 8021B | QC Batch: QC11134 | Date Analyzed: 5/11/01
Analyst: JW | Preparation Method: E 5035 | Prep Batch: PB09536 | Date Prepared: 5/11/01

Param	Flag	Result	Units	Dilution	RDL
Benzene		<0.025	mg/Kg	25	0.001
Toluene		<0.025	mg/Kg	25	0.001
Ethylbenzene		<0.025	mg/Kg	25	0.001
M,P,O-Xylene		<0.025	mg/Kg	25	0.001
Total BTEX		<0.025	mg/Kg	25	0.001

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
TFT		2.38	mg/Kg	25	0.10	95	72 - 128
4-BFB		2.22	mg/Kg	25	0.10	88	72 - 128

Sample: 170575 - 0105030830

Analysis: TPH | Analytical Method: E 418.1 | QC Batch: QC11016 | Date Analyzed: 5/8/01
Analyst: JJ | Preparation Method: E 3550B | Prep Batch: PB09454 | Date Prepared: 5/5/01

Param	Flag	Result	Units	Dilution	RDL
TRPHC		525000	mg/Kg	1	10

Sample: 170576 - 0105030845 WEST TANK

Analysis: 8260 | Analytical Method: S 8260B | QC Batch: QC11114 | Date Analyzed: 5/11/01
Analyst: JG | Preparation Method: E 5035 | Prep Batch: PB09526 | Date Prepared: 5/11/01

Param	Flag	Result	Units	Dilution	RDL
Bromochloromethane		<5000	µg/Kg	5000	1
Dichlorodifluoromethane		<5000	µg/Kg	5000	1
Chloromethane (methyl chloride)		<5000	µg/Kg	5000	1
Vinyl Chloride		<5000	µg/Kg	5000	1
Bromomethane (methyl bromide)		<5000	µg/Kg	5000	1
Chloroethane		<5000	µg/Kg	5000	1
Trichlorofluoromethane		<5000	µg/Kg	5000	1
Acetone	1	89600	µg/Kg	5000	10
Iodomethane (methyl iodide)		<25000	µg/Kg	5000	5
Carbon Disulfide		<5000	µg/Kg	5000	1
Acrylonitrile		<5000	µg/Kg	5000	1
2-Butanone (MEK)		<25000	µg/Kg	5000	5
4-methyl-2-pentanone (MIBK)		100300	µg/Kg	5000	5
2-hexanone		<25000	µg/Kg	5000	5
trans 1,4-Dichloro-2-butene		<50000	µg/Kg	5000	10
1,1-Dichloroethene		<5000	µg/Kg	5000	1
Methylene chloride		<25000	µg/Kg	5000	5
MTBE		<5000	µg/Kg	5000	1

Continued ...

[1] estimated concentration, RSD value above 15% on initial calibration

... *Continued* Sample: 170576 Analysis: 8260 WEST TANK

Param	Flag	Result	Units	Dilution	RDL
trans-1,2-Dichloroethene		<5000	µg/Kg	5000	1
1,1-Dichloroethane		<5000	µg/Kg	5000	1
cis-1,2-Dichloroethene		<5000	µg/Kg	5000	1
2,2-Dichloropropane		<5000	µg/Kg	5000	1
1,2-Dichloroethane (EDC)		<5000	µg/Kg	5000	1
Chloroform		<5000	µg/Kg	5000	1
1,1,1-Trichloroethane		<5000	µg/Kg	5000	1
1,1-Dichloropropene		<5000	µg/Kg	5000	1
Benzene		7600	µg/Kg	5000	1
Carbon Tetrachloride		<5000	µg/Kg	5000	1
1,2-Dichloropropane		<5000	µg/Kg	5000	1
Trichloroethene (TCE)		<5000	µg/Kg	5000	1
Dibromomethane (methylene bromide)		<5000	µg/Kg	5000	1
Bromodichloromethane		<5000	µg/Kg	5000	1
2-Chloroethyl vinyl ether		<25000	µg/Kg	5000	5
cis-1,3-Dichloropropene		<5000	µg/Kg	5000	1
trans-1,3-Dichloropropene		<5000	µg/Kg	5000	1
Toluene	[2]	1729000	µg/Kg	5000	1
1,1,2-Trichloroethane		<5000	µg/Kg	5000	1
1,3-Dichloropropane		<5000	µg/Kg	5000	1
Dibromochloromethane		<5000	µg/Kg	5000	1
1,2-Dibromoethane (EDB)		<5000	µg/Kg	5000	1
Tetrachloroethene (PCE)		<5000	µg/Kg	5000	1
Chlorobenzene		<5000	µg/Kg	5000	1
1,1,1,2-Tetrachloroethane		<5000	µg/Kg	5000	1
Ethylbenzene		192800	µg/Kg	5000	1
m,p-Xylene		668550	µg/Kg	5000	1
Bromoform		<5000	µg/Kg	5000	1
Styrene		<5000	µg/Kg	5000	1
o-Xylene		199750	µg/Kg	5000	1
1,1,2,2-Tetrachloroethane		<5000	µg/Kg	5000	1
2-Chlorotoluene		<5000	µg/Kg	5000	1
1,2,3-Trichloropropane		<5000	µg/Kg	5000	1
Isopropylbenzene		20750	µg/Kg	5000	1
Bromobenzene		<5000	µg/Kg	5000	1
n-Propylbenzene		50100	µg/Kg	5000	1
1,3,5-Trimethylbenzene		94650	µg/Kg	5000	1
tert-Butylbenzene		<5000	µg/Kg	5000	1
1,2,4-Trimethylbenzene		257250	µg/Kg	5000	1
1,4-Dichlorobenzene (para)		<5000	µg/Kg	5000	1
sec-Butylbenzene		10400	µg/Kg	5000	1
1,3-Dichlorobenzene		<5000	µg/Kg	5000	1
p-Isopropyltoluene		<5000	µg/Kg	5000	1
4-Chlorotoluene		<5000	µg/Kg	5000	1
1,2-Dichlorobenzene (ortho)		<5000	µg/Kg	5000	1
n-Butylbenzene		14800	µg/Kg	5000	1
1,2-Dibromo-3-chloropropane		<25000	µg/Kg	5000	5
1,2,3-Trichlorobenzene		<25000	µg/Kg	5000	5
1,2,4-Trichlorobenzene		<25000	µg/Kg	5000	5
Naphthalene		<25000	µg/Kg	5000	5
Hexachlorobutadiene		<25000	µg/Kg	5000	5

[2]estimated concentration, response above standard range

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Dibromofluoromethane		47.30	µg/Kg	1	50	94	87 - 121
Toluene-d8		82.29	µg/Kg	1	50	164	91 - 114
4-Bromofluorobenzene		48.13	µg/Kg	1	50	96	86 - 114

Sample: 170576 - 0105030845

Analysis: 8270 Analytical Method: S 8270C QC Batch: QC11106 Date Analyzed: 5/8/01
Analyst: RC Preparation Method: E 3510C Prep Batch: PB09518 Date Prepared: 5/7/01

Param	Flag	Result	Units	Dilution	RDL
Pyridine		<62.5	mg/Kg	250	0.25
n-Nitrosodimethylamine		<62.5	mg/Kg	250	0.25
2-Picoline		<62.5	mg/Kg	250	0.25
Methyl methanesulfonate		<62.5	mg/Kg	250	0.25
Ethyl methanesulfonate		<62.5	mg/Kg	250	0.25
Phenol		<62.5	mg/Kg	250	0.25
Aniline		<62.5	mg/Kg	250	0.25
bis (2-chloroethyl) ether		<62.5	mg/Kg	250	0.25
2-Chlorophenol		<62.5	mg/Kg	250	0.25
1,3-Dichlorobenzene		<62.5	mg/Kg	250	0.25
1,4-Dichlorobenzene		<62.5	mg/Kg	250	0.25
Benzyl alcohol		<62.5	mg/Kg	250	0.25
1,2-Dichlorobenzene		<62.5	mg/Kg	250	0.25
2-Methylphenol		<62.5	mg/Kg	250	0.25
bis (2-chloroisopropyl) ether		<62.5	mg/Kg	250	0.25
4-Methylphenol/3-Methylphenol		<62.5	mg/Kg	250	0.25
Acetophenone		<62.5	mg/Kg	250	0.25
n-Nitrosodi-n-propylamine		<62.5	mg/Kg	250	0.25
Hexachloroethane		<62.5	mg/Kg	250	0.25
Nitrobenzene		<62.5	mg/Kg	250	0.25
n-Nitrosopiperidine		<62.5	mg/Kg	250	0.25
Isophorone		<62.5	mg/Kg	250	0.25
2-Nitrophenol		<62.5	mg/Kg	250	0.25
2,4-Dimethylphenol		<62.5	mg/Kg	250	0.25
bis (2-chloroethoxy) methane		<62.5	mg/Kg	250	0.25
Benzoic acid		<62.5	mg/Kg	250	0.25
2,4-Dichlorophenol		<62.5	mg/Kg	250	0.25
1,2,4-Trichlorobenzene		<62.5	mg/Kg	250	0.25
a,a-Dimethylphenethylamine		<62.5	mg/Kg	250	0.25
Naphthalene		<62.5	mg/Kg	250	0.25
4-Chloroaniline		<62.5	mg/Kg	250	0.25
2,6-Dichlorophenol		<62.5	mg/Kg	250	0.25
Hexachlorobutadiene		<62.5	mg/Kg	250	0.25
n-Nitroso-di-n-butylamine		<62.5	mg/Kg	250	0.25
4-Chloro-3-methylphenol		<62.5	mg/Kg	250	0.25
1-Methylnaphthalene		89.92	mg/Kg	250	0.25
2-Methylnaphthalene		85.06	mg/Kg	250	0.25
1,2,4,5-Tetrachlorobenzene		<62.5	mg/Kg	250	0.25
Hexachlorocyclopentadiene		<62.5	mg/Kg	250	0.25
2,4,6-Trichlorophenol		<62.5	mg/Kg	250	0.25
2,4,5-Trichlorophenol		<62.5	mg/Kg	250	0.25
2-Chloronaphthalene		<62.5	mg/Kg	250	0.25
1-Chloronaphthalene		<62.5	mg/Kg	250	0.25

Continued ...

... *Continued* Sample: 170576 Analysis: 8270

Param	Flag	Result	Units	Dilution	RDL
2-Nitroaniline		<62.5	mg/Kg	250	0.25
Dimethylphthalate		<62.5	mg/Kg	250	0.25
Acenaphthylene		<62.5	mg/Kg	250	0.25
2,6-Dinitrotoluene		<62.5	mg/Kg	250	0.25
3-Nitroaniline		<62.5	mg/Kg	250	0.25
Acenaphthene		<62.5	mg/Kg	250	0.25
2,4-Dinitrophenol		<62.5	mg/Kg	250	0.25
Dibenzofuran		<62.5	mg/Kg	250	0.25
Pentachlorobenzene		<62.5	mg/Kg	250	0.25
4-Nitrophenol		<62.5	mg/Kg	250	0.25
1-Naphthylamine		<62.5	mg/Kg	250	0.25
2,4-Dinitrotoluene		<62.5	mg/Kg	250	0.25
2-Naphthylamine		<62.5	mg/Kg	250	0.25
2,3,4,6-Tetrachlorophenol		<62.5	mg/Kg	250	0.25
Fluorene		<62.5	mg/Kg	250	0.25
Diethylphthalate		<62.5	mg/Kg	250	0.25
4-Chlorophenyl-phenylether		<62.5	mg/Kg	250	0.25
4-Nitroaniline		<62.5	mg/Kg	250	0.25
4,6-Dinitro-2-methylphenol		<62.5	mg/Kg	250	0.25
Diphenylamine		<62.5	mg/Kg	250	0.25
Diphenylhydrazine		<62.5	mg/Kg	250	0.25
4-Bromophenyl-phenylether		<62.5	mg/Kg	250	0.25
Phenacetin		<62.5	mg/Kg	250	0.25
Hexachlorobenzene		<62.5	mg/Kg	250	0.25
4-Aminobiphenyl		<62.5	mg/Kg	250	0.25
Pentachlorophenol		<62.5	mg/Kg	250	0.25
Pentachloronitrobenzene		<62.5	mg/Kg	250	0.25
Pronamide		<62.5	mg/Kg	250	0.25
Phenanthrene		<62.5	mg/Kg	250	0.25
Anthracene		<62.5	mg/Kg	250	0.25
Di-n-butylphthalate		<62.5	mg/Kg	250	0.25
Fluoranthene		<62.5	mg/Kg	250	0.25
Benzidine		<62.5	mg/Kg	250	0.25
Pyrene		<62.5	mg/Kg	250	0.25
p-Dimethylaminoazobenzene		<62.5	mg/Kg	250	0.25
Butylbenzylphthalate		<62.5	mg/Kg	250	0.25
Benzo(a)anthracene		<62.5	mg/Kg	250	0.25
3,3-Dichlorobenzidine		<62.5	mg/Kg	250	0.25
Chrysene		<62.5	mg/Kg	250	0.25
Bis (2-ethylhexyl) phthalate		<62.5	mg/Kg	250	0.25
Di-n-octylphthalate		<62.5	mg/Kg	250	0.25
Benzo(b)fluoranthene		<62.5	mg/Kg	250	0.25
7,12-Dimethylbenz(a)anthracene		<62.5	mg/Kg	250	0.25
Benzo(k)fluoranthene		<62.5	mg/Kg	250	0.25
Benzo(a)pyrene		<62.5	mg/Kg	250	0.25
3-Methylcholanthrene		<62.5	mg/Kg	250	0.25
Dibenzo(a,j)acridine		<62.5	mg/Kg	250	0.25
Indeno(1,2,3-cd)pyrene		<62.5	mg/Kg	250	0.25
Dibenzo(a,h)anthracene		<62.5	mg/Kg	250	0.25
Benzo(g,h,i)perylene		<62.5	mg/Kg	250	0.25

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
2-Fluorophenol		30.71	mg/Kg	250	80	38	25 - 121

Continued ...

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Phenol-d5		45.26	mg/Kg	250	80	56	24 - 113
Nitrobenzene-d5		68.24	mg/Kg	250	80	85	23 - 120
2-Fluorobiphenyl		57.98	mg/Kg	250	80	72	30 - 115
2,4,6-Tribromophenol		30.28	mg/Kg	250	80	37	19 - 122
Terphenyl-d14		69.9	mg/Kg	250	80	87	28 - 137

Sample: 170576 - 0105030845

Analysis: Alkalinity | Analytical Method: E 310.1 | QC Batch: QC11294 | Date Analyzed: 5/17/01
Analyst: RS | Preparation Method: N/A | Prep Batch: PB09663 | Date Prepared: 5/17/01

Param	Flag	Result	Units	Dilution	RDL
Hydroxide Alkalinity		<1.0	mg/Kg as CaCo3	1	1
Carbonate Alkalinity		<1.0	mg/Kg as CaCo3	1	1
Bicarbonate Alkalinity		38	mg/Kg as CaCo3	1	1
Total Alkalinity		38	mg/Kg as CaCo3	1	1

Sample: 170576 - 0105030845

Analysis: Conductivity | Analytical Method: SM 2510B | QC Batch: QC11190 | Date Analyzed: 5/9/01
Analyst: JS | Preparation Method: N/A | Prep Batch: PB09552 | Date Prepared: 5/9/01

Param	Flag	Result	Units	Dilution	RDL
Specific Conductance		7280	μMHOS/cm	1	

Sample: 170576 - 0105030845

Analysis: Hg, Total | Analytical Method: S 7471A | QC Batch: QC11034 | Date Analyzed: 5/8/01
Analyst: SSC | Preparation Method: N/A | Prep Batch: PB10767 | Date Prepared: 4/7/01

Param	Flag	Result	Units	Dilution	RDL
Total Mercury		0.33	mg/Kg	1	0.19

Sample: 170576 - 0105030845

Analysis: Ion Chromatography (IC) | Analytical Method: E 300.0 | QC Batch: QC11065 | Date Analyzed: 5/9/01
Analyst: JS | Preparation Method: N/A | Prep Batch: PB09495 | Date Prepared: 5/9/01

Param	Flag	Result	Units	Dilution	RDL
CL		2130	mg/Kg	100	0.50
Fluoride		<5.0	mg/Kg	5	0.20
Nitrate-N		<5.0	mg/Kg	5	0.20
Sulfate		1320	mg/Kg	100	0.50

Sample: 170576 - 0105030845

Analysis: Salts | Analytical Method: S 6010B | QC Batch: QC12291 | Date Analyzed: 5/14/01
Analyst: LEN | Preparation Method: E 3005 A | Prep Batch: PB10517 | Date Prepared: 5/8/01

Param	Flag	Result	Units	Dilution	RDL
Dissolved Calcium		92300	mg/L	1	0.50
Dissolved Magnesium		8085	mg/L	1	0.50
Dissolved Potassium		888	mg/L	1	0.50
Dissolved Sodium		7582	mg/L	1	0.50

Sample: 170576 - 0105030845

Analysis:	TDS	Analytical Method:	E 160.1	QC Batch:	QC11260	Date Analyzed:	5/16/01
Analyst:	JS	Preparation Method:	N/A	Prep Batch:	PB09621	Date Prepared:	5/15/01

Param	Flag	Result	Units	Dilution	RDL
Total Dissolved Solids		5210	mg/L	10	10

Sample: 170576 - 0105030845

Analysis:	Total Metals	Analytical Method:	S 6010B	QC Batch:	QC11123	Date Analyzed:	5/12/01
Analyst:	RR	Preparation Method:	E 3015	Prep Batch:	PB09414	Date Prepared:	5/7/01

Param	Flag	Result	Units	Dilution	RDL
Total Arsenic		<5	mg/Kg	1	5
Total Barium		748	mg/Kg	1	5
Total Cadmium		<2	mg/Kg	1	2
Total Chromium		309	mg/Kg	1	5
Total Lead		261	mg/Kg	1	5
Total Selenium		<5	mg/Kg	1	5
Total Silver		<1	mg/Kg	1	1

Sample: 170576 - 0105030845

Analysis:	pH	Analytical Method:	E 150.1	QC Batch:	QC11250	Date Analyzed:	5/9/01
Analyst:	RS	Preparation Method:	N/A	Prep Batch:	PB09628	Date Prepared:	5/9/01

Param	Flag	Result	Units	Dilution	RDL
pH		6.9	s.u.	1	1

EAST TANK

Sample: 170577 - 0105030850

Analysis:	8260	Analytical Method:	S 8260B	QC Batch:	QC11114	Date Analyzed:	5/11/01
Analyst:	JG	Preparation Method:	E 5035	Prep Batch:	PB09526	Date Prepared:	5/11/01

Param	Flag	Result	Units	Dilution	RDL
Bromochloromethane		<500	µg/Kg	500	1
Dichlorodifluoromethane		<500	µg/Kg	500	1
Chloromethane (methyl chloride)		<500	µg/Kg	500	1
Vinyl Chloride		<500	µg/Kg	500	1
Bromomethane (methyl bromide)		<500	µg/Kg	500	1
Chloroethane		<500	µg/Kg	500	1
Trichlorofluoromethane		<500	µg/Kg	500	1
Acetone		<5000	µg/Kg	500	10
Iodomethane (methyl iodide)		<2500	µg/Kg	500	5
Carbon Disulfide		<500	µg/Kg	500	1

Continued ...

... *Continued* Sample: 170577 Analysis: 8260

Param	Flag	Result	Units	Dilution	RDL
Acrylonitrile		<500	µg/Kg	500	1
2-Butanone (MEK)		<2500	µg/Kg	500	5
4-methyl-2-pentanone (MIBK)		<2500	µg/Kg	500	5
2-hexanone		<2500	µg/Kg	500	5
trans 1,4-Dichloro-2-butene		<5000	µg/Kg	500	10
1,1-Dichloroethene		<500	µg/Kg	500	1
Methylene chloride		<2500	µg/Kg	500	5
MTBE		<500	µg/Kg	500	1
trans-1,2-Dichloroethene		<500	µg/Kg	500	1
1,1-Dichloroethane		<500	µg/Kg	500	1
cis-1,2-Dichloroethene		<500	µg/Kg	500	1
2,2-Dichloropropane		<500	µg/Kg	500	1
1,2-Dichloroethane (EDC)		<500	µg/Kg	500	1
Chloroform		<500	µg/Kg	500	1
1,1,1-Trichloroethane		<500	µg/Kg	500	1
1,1-Dichloropropene		<500	µg/Kg	500	1
Benzene		<500	µg/Kg	500	1
Carbon Tetrachloride		<500	µg/Kg	500	1
1,2-Dichloropropane		<500	µg/Kg	500	1
Trichloroethene (TCE)		<500	µg/Kg	500	1
Dibromomethane (methylene bromide)		<500	µg/Kg	500	1
Bromodichloromethane		<500	µg/Kg	500	1
2-Chloroethyl vinyl ether		<2500	µg/Kg	500	5
cis-1,3-Dichloropropene		<500	µg/Kg	500	1
trans-1,3-Dichloropropene		<500	µg/Kg	500	1
Toluene		<500	µg/Kg	500	1
1,1,2-Trichloroethane		<500	µg/Kg	500	1
1,3-Dichloropropane		<500	µg/Kg	500	1
Dibromochloromethane		<500	µg/Kg	500	1
1,2-Dibromoethane (EDB)		<500	µg/Kg	500	1
Tetrachloroethene (PCE)		<500	µg/Kg	500	1
Chlorobenzene		<500	µg/Kg	500	1
1,1,1,2-Tetrachloroethane		<500	µg/Kg	500	1
Ethylbenzene		3625	µg/Kg	500	1
m,p-Xylene		4155	µg/Kg	500	1
Bromoform		<500	µg/Kg	500	1
Styrene		<500	µg/Kg	500	1
o-Xylene		1370	µg/Kg	500	1
1,1,2,2-Tetrachloroethane		<500	µg/Kg	500	1
2-Chlorotoluene		<500	µg/Kg	500	1
1,2,3-Trichloropropane		<500	µg/Kg	500	1
Isopropylbenzene		3075	µg/Kg	500	1
Bromobenzene		<500	µg/Kg	500	1
n-Propylbenzene		6745	µg/Kg	500	1
1,3,5-Trimethylbenzene		8165	µg/Kg	500	1
tert-Butylbenzene		<500	µg/Kg	500	1
1,2,4-Trimethylbenzene		31315	µg/Kg	500	1
1,4-Dichlorobenzene (para)		<500	µg/Kg	500	1
sec-Butylbenzene		4630	µg/Kg	500	1
1,3-Dichlorobenzene		<500	µg/Kg	500	1
p-Isopropyltoluene		3605	µg/Kg	500	1
4-Chlorotoluene		<500	µg/Kg	500	1
1,2-Dichlorobenzene (ortho)		<500	µg/Kg	500	1
n-Butylbenzene		10375	µg/Kg	500	1

Continued ...

... *Continued* Sample: 170577 Analysis: 8260

Param	Flag	Result	Units	Dilution	RDL
1,2-Dibromo-3-chloropropane		<2500	µg/Kg	500	5
1,2,3-Trichlorobenzene		<2500	µg/Kg	500	5
1,2,4-Trichlorobenzene		<2500	µg/Kg	500	5
Naphthalene		25820	µg/Kg	500	5
Hexachlorobutadiene		<2500	µg/Kg	500	5

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Dibromofluoromethane		48.29	µg/Kg	1	50	96	87 - 121
Toluene-d8		51.42	µg/Kg	1	50	102	91 - 114
4-Bromofluorobenzene		48.95	µg/Kg	1	50	97	86 - 114

Sample: 170577 - 0105030850

Analysis:	8270	Analytical Method:	S 8270C	QC Batch:	QC11106	Date Analyzed:	5/8/01
Analyst:	RC	Preparation Method:	E 3510C	Prep Batch:	PB09518	Date Prepared:	5/7/01

Param	Flag	Result	Units	Dilution	RDL
Pyridine		<62.5	mg/Kg	250	0.25
n-Nitrosodimethylamine		<62.5	mg/Kg	250	0.25
2-Picoline		<62.5	mg/Kg	250	0.25
Methyl methanesulfonate		<62.5	mg/Kg	250	0.25
Ethyl methanesulfonate		<62.5	mg/Kg	250	0.25
Phenol		<62.5	mg/Kg	250	0.25
Aniline		<62.5	mg/Kg	250	0.25
bis (2-chloroethyl) ether		<62.5	mg/Kg	250	0.25
2-Chlorophenol		<62.5	mg/Kg	250	0.25
1,3-Dichlorobenzene		<62.5	mg/Kg	250	0.25
1,4-Dichlorobenzene		<62.5	mg/Kg	250	0.25
Benzyl alcohol		<62.5	mg/Kg	250	0.25
1,2-Dichlorobenzene		<62.5	mg/Kg	250	0.25
2-Methylphenol		<62.5	mg/Kg	250	0.25
bis (2-chloroisopropyl) ether		<62.5	mg/Kg	250	0.25
4-Methylphenol/3-Methylphenol		<62.5	mg/Kg	250	0.25
Acetophenone		<62.5	mg/Kg	250	0.25
n-Nitrosodi-n-propylamine		<62.5	mg/Kg	250	0.25
Hexachloroethane		<62.5	mg/Kg	250	0.25
Nitrobenzene		<62.5	mg/Kg	250	0.25
n-Nitrosopiperidine		<62.5	mg/Kg	250	0.25
Isophorone		<62.5	mg/Kg	250	0.25
2-Nitrophenol		<62.5	mg/Kg	250	0.25
2,4-Dimethylphenol		<62.5	mg/Kg	250	0.25
bis (2-chloroethoxy) methane		<62.5	mg/Kg	250	0.25
Benzoic acid		<62.5	mg/Kg	250	0.25
2,4-Dichlorophenol		<62.5	mg/Kg	250	0.25
1,2,4-Trichlorobenzene		<62.5	mg/Kg	250	0.25
a,a-Dimethylphenethylamine		<62.5	mg/Kg	250	0.25
Naphthalene		<62.5	mg/Kg	250	0.25
4-Chloroaniline		<62.5	mg/Kg	250	0.25
2,6-Dichlorophenol		<62.5	mg/Kg	250	0.25
Hexachlorobutadiene		<62.5	mg/Kg	250	0.25
n-Nitroso-di-n-butylamine		<62.5	mg/Kg	250	0.25

Continued ...

... *Continued* Sample: 170577 Analysis: 8270

Param	Flag	Result	Units	Dilution	RDL
4-Chloro-3-methylphenol		<62.5	mg/Kg	250	0.25
1-Methylnaphthalene		147.04	mg/Kg	250	0.25
2-Methylnaphthalene		131.74	mg/Kg	250	0.25
1,2,4,5-Tetrachlorobenzene		<62.5	mg/Kg	250	0.25
Hexachlorocyclopentadiene		<62.5	mg/Kg	250	0.25
2,4,6-Trichlorophenol		<62.5	mg/Kg	250	0.25
2,4,5-Trichlorophenol		<62.5	mg/Kg	250	0.25
2-Chloronaphthalene		<62.5	mg/Kg	250	0.25
1-Chloronaphthalene		<62.5	mg/Kg	250	0.25
2-Nitroaniline		<62.5	mg/Kg	250	0.25
Dimethylphthalate		<62.5	mg/Kg	250	0.25
Acenaphthylene		<62.5	mg/Kg	250	0.25
2,6-Dinitrotoluene		<62.5	mg/Kg	250	0.25
3-Nitroaniline		<62.5	mg/Kg	250	0.25
Acenaphthene		<62.5	mg/Kg	250	0.25
2,4-Dinitrophenol		<62.5	mg/Kg	250	0.25
Dibenzofuran		<62.5	mg/Kg	250	0.25
Pentachlorobenzene		<62.5	mg/Kg	250	0.25
4-Nitrophenol		<62.5	mg/Kg	250	0.25
1-Naphthylamine		<62.5	mg/Kg	250	0.25
2,4-Dinitrotoluene		<62.5	mg/Kg	250	0.25
2-Naphthylamine		<62.5	mg/Kg	250	0.25
2,3,4,6-Tetrachlorophenol		<62.5	mg/Kg	250	0.25
Fluorene		<62.5	mg/Kg	250	0.25
Diethylphthalate		<62.5	mg/Kg	250	0.25
4-Chlorophenyl-phenylether		<62.5	mg/Kg	250	0.25
4-Nitroaniline		<62.5	mg/Kg	250	0.25
4,6-Dinitro-2-methylphenol		<62.5	mg/Kg	250	0.25
Diphenylamine		<62.5	mg/Kg	250	0.25
Diphenylhydrazine		<62.5	mg/Kg	250	0.25
4-Bromophenyl-phenylether		<62.5	mg/Kg	250	0.25
Phenacetin		<62.5	mg/Kg	250	0.25
Hexachlorobenzene		<62.5	mg/Kg	250	0.25
4-Aminobiphenyl		<62.5	mg/Kg	250	0.25
Pentachlorophenol		<62.5	mg/Kg	250	0.25
Pentachloronitrobenzene		<62.5	mg/Kg	250	0.25
Pronamide		<62.5	mg/Kg	250	0.25
Phenanthrene		77.91	mg/Kg	250	0.25
Anthracene		<62.5	mg/Kg	250	0.25
Di-n-butylphthalate		<62.5	mg/Kg	250	0.25
Fluoranthene		<62.5	mg/Kg	250	0.25
Benzidine		<62.5	mg/Kg	250	0.25
Pyrene		<62.5	mg/Kg	250	0.25
p-Dimethylaminoazobenzene		<62.5	mg/Kg	250	0.25
Butylbenzylphthalate		<62.5	mg/Kg	250	0.25
Benzo(a)anthracene		<62.5	mg/Kg	250	0.25
3,3-Dichlorobenzidine		<62.5	mg/Kg	250	0.25
Chrysene		<62.5	mg/Kg	250	0.25
Bis (2-ethylhexyl) phthalate		<62.5	mg/Kg	250	0.25
Di-n-octylphthalate		<62.5	mg/Kg	250	0.25
Benzo(b)fluoranthene		<62.5	mg/Kg	250	0.25
7,12-Dimethylbenz(a)anthracene		<62.5	mg/Kg	250	0.25
Benzo(k)fluoranthene		<62.5	mg/Kg	250	0.25
Benzo(a)pyrene		<62.5	mg/Kg	250	0.25

Continued ...

... *Continued* Sample: 170577 Analysis: 8270

Param	Flag	Result	Units	Dilution	RDL
3-Methylcholanthrene		<62.5	mg/Kg	250	0.25
Dibenzo(a,j)acridine		<62.5	mg/Kg	250	0.25
Indeno(1,2,3-cd)pyrene		<62.5	mg/Kg	250	0.25
Dibenzo(a,h)anthracene		<62.5	mg/Kg	250	0.25
Benzo(g,h,i)perylene		<62.5	mg/Kg	250	0.25
Test Comments		<62.5	mg/Kg	250	

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
2-Fluorophenol		26.94	mg/Kg	250	80	33	25 - 121
Phenol-d5		31.21	mg/Kg	250	80	39	24 - 113
Nitrobenzene-d5		54.83	mg/Kg	250	80	68	23 - 120
2-Fluorobiphenyl		59.63	mg/Kg	250	80	74	30 - 115
2,4,6-Tribromophenol		55.27	mg/Kg	250	80	69	19 - 122
Terphenyl-d14		73.25	mg/Kg	250	80	91	28 - 137

Sample: 170577 - 0105030850

Analysis: Alkalinity Analytical Method: E 310.1 QC Batch: QC11294 Date Analyzed: 5/17/01
Analyst: RS Preparation Method: N/A Prep Batch: PB09663 Date Prepared: 5/17/01

Param	Flag	Result	Units	Dilution	RDL
Hydroxide Alkalinity		<1.0	mg/Kg as CaCo3	1	1
Carbonate Alkalinity		<1.0	mg/Kg as CaCo3	1	1
Bicarbonate Alkalinity		<1.0	mg/Kg as CaCo3	1	1
Total Alkalinity		<1.0	mg/Kg as CaCo3	1	1

Sample: 170577 - 0105030850

Analysis: Conductivity Analytical Method: SM 2510B QC Batch: QC11190 Date Analyzed: 5/9/01
Analyst: JS Preparation Method: N/A Prep Batch: PB09552 Date Prepared: 5/9/01

Param	Flag	Result	Units	Dilution	RDL
Specific Conductance		32600	μMHOS/cm	1	

Sample: 170577 - 0105030850

Analysis: Hg, Total Analytical Method: S 7471A QC Batch: QC11034 Date Analyzed: 5/8/01
Analyst: SSC Preparation Method: N/A Prep Batch: PB10767 Date Prepared: 4/7/01

Param	Flag	Result	Units	Dilution	RDL
Total Mercury		<0.19	mg/Kg	1	0.19

Sample: 170577 - 0105030850

Analysis: Ion Chromatography (IC) Analytical Method: E 300.0 QC Batch: QC11065 Date Analyzed: 5/9/01
Analyst: JS Preparation Method: N/A Prep Batch: PB09495 Date Prepared: 5/9/01

Continued ...

... *Continued* Sample: 170577 Analysis: Ion Chromatography (IC)

Param	Flag	Result	Units	Dilution	RDL
CL		6930	mg/Kg	500	0.50
Fluoride		<10	mg/Kg	10	0.20
Nitrate-N		<10	mg/Kg	10	0.20
Sulfate		22700	mg/Kg	500	0.50

Sample: 170577 - 0105030850

Analysis: Salts Analytical Method: S 6010B QC Batch: QC12291 Date Analyzed: 5/14/01
Analyst: LEN Preparation Method: E 3005 A Prep Batch: PB10517 Date Prepared: 5/8/01

Param	Flag	Result	Units	Dilution	RDL
Dissolved Calcium		16980	mg/L	1	0.50
Dissolved Magnesium		2341	mg/L	1	0.50
Dissolved Potassium		682	mg/L	1	0.50
Dissolved Sodium		8249	mg/L	1	0.50

Sample: 170577 - 0105030850

Analysis: TDS Analytical Method: E 160.1 QC Batch: QC11260 Date Analyzed: 5/16/01
Analyst: JS Preparation Method: N/A Prep Batch: PB09621 Date Prepared: 5/15/01

Param	Flag	Result	Units	Dilution	RDL
Total Dissolved Solids		44300	mg/L	50	10

Sample: 170577 - 0105030850

Analysis: Total Metals Analytical Method: S 6010B QC Batch: QC11123 Date Analyzed: 5/12/01
Analyst: RR Preparation Method: E 3015 Prep Batch: PB09414 Date Prepared: 5/7/01

Param	Flag	Result	Units	Dilution	RDL
Total Arsenic		<5	mg/Kg	1	5
Total Barium		545	mg/Kg	1	5
Total Cadmium		3.27	mg/Kg	1	2
Total Chromium		<5	mg/Kg	1	5
Total Lead		75.7	mg/Kg	1	5
Total Selenium		<5	mg/Kg	1	5
Total Silver		<1	mg/Kg	1	1

Sample: 170577 - 0105030850

Analysis: pH Analytical Method: E 150.1 QC Batch: QC11250 Date Analyzed: 5/9/01
Analyst: RS Preparation Method: N/A Prep Batch: PB09628 Date Prepared: 5/9/01

Param	Flag	Result	Units	Dilution	RDL
pH	[3]	2.6	s.u.	1	1

[3] This sample was prepped at the same time as the other solid.

Sample: 170578 - 0105030900

Analysis:	Hg, Total	Analytical Method:	S 7471A	QC Batch:	QC11034	Date Analyzed:	5/8/01
Analyst:	SSC	Preparation Method:	N/A	Prep Batch:	PB10767	Date Prepared:	4/7/01

Param	Flag	Result	Units	Dilution	RDL
Total Mercury		<0.19	mg/Kg	1	0.19

Sample: 170578 - 0105030900 SAND BLAST PILE 1.5'-2.5'

Analysis:	Total Metals	Analytical Method:	S 6010B	QC Batch:	QC11123	Date Analyzed:	5/12/01
Analyst:	RR	Preparation Method:	E 3015	Prep Batch:	PB09414	Date Prepared:	5/7/01

Param	Flag	Result	Units	Dilution	RDL
Total Arsenic		<5	mg/Kg	1	5
Total Barium		168	mg/Kg	1	5
Total Cadmium		2.92	mg/Kg	1	2
Total Chromium		24.6	mg/Kg	1	5
Total Lead		70.9	mg/Kg	1	5
Total Selenium		<5	mg/Kg	1	5
Total Silver		<1	mg/Kg	1	1

Sample: 170579 - 0105030905

Analysis:	Hg, Total	Analytical Method:	S 7471A	QC Batch:	QC11034	Date Analyzed:	5/8/01
Analyst:	SSC	Preparation Method:	N/A	Prep Batch:	PB10767	Date Prepared:	4/7/01

Param	Flag	Result	Units	Dilution	RDL
Total Mercury		<0.19	mg/Kg	1	0.19

Sample: 170579 - 0105030905 SAND BLAST PILE SURFACE CHIPS

Analysis:	Total Metals	Analytical Method:	S 6010B	QC Batch:	QC11123	Date Analyzed:	5/12/01
Analyst:	RR	Preparation Method:	E 3015	Prep Batch:	PB09414	Date Prepared:	5/7/01

Param	Flag	Result	Units	Dilution	RDL
Total Arsenic		<5	mg/Kg	1	5
Total Barium		2250	mg/Kg	1	5
Total Cadmium		<2	mg/Kg	1	2
Total Chromium		27.5	mg/Kg	1	5
Total Lead		1080	mg/Kg	1	5
Total Selenium		<5	mg/Kg	1	5
Total Silver		<1	mg/Kg	1	1

Sample: 170580 - 0105030935 UNLINED WASTE PIT

Analysis:	8260	Analytical Method:	S 8260B	QC Batch:	QC11115	Date Analyzed:	5/11/01
Analyst:	JG	Preparation Method:	E 5035	Prep Batch:	PB09527	Date Prepared:	5/11/01

Param	Flag	Result	Units	Dilution	RDL
Bromochloromethane		<500	µg/Kg	500	1
Dichlorodifluoromethane		<500	µg/Kg	500	1
Chloromethane (methyl chloride)		<500	µg/Kg	500	1

Continued ...

... *Continued* Sample: 170580 Analysis: 8260

Param	Flag	Result	Units	Dilution	RDL
Vinyl Chloride		<500	µg/Kg	500	1
Bromomethane (methyl bromide)		<500	µg/Kg	500	1
Chloroethane		<500	µg/Kg	500	1
Trichlorofluoromethane		<500	µg/Kg	500	1
Acetone	[4]	7645	µg/Kg	500	10
Iodomethane (methyl iodide)		<2500	µg/Kg	500	5
Carbon Disulfide		<500	µg/Kg	500	1
Acrylonitrile		<500	µg/Kg	500	1
2-Butanone (MEK)		<2500	µg/Kg	500	5
4-methyl-2-pentanone (MIBK)		<2500	µg/Kg	500	5
2-hexanone		<2500	µg/Kg	500	5
trans 1,4-Dichloro-2-butene		<5000	µg/Kg	500	10
1,1-Dichloroethene		<500	µg/Kg	500	1
Methylene chloride		<2500	µg/Kg	500	5
MTBE		<500	µg/Kg	500	1
trans-1,2-Dichloroethene		<500	µg/Kg	500	1
1,1-Dichloroethane		<500	µg/Kg	500	1
cis-1,2-Dichloroethene		<500	µg/Kg	500	1
2,2-Dichloropropane		<500	µg/Kg	500	1
1,2-Dichloroethane (EDC)		<500	µg/Kg	500	1
Chloroform		<500	µg/Kg	500	1
1,1,1-Trichloroethane		<500	µg/Kg	500	1
1,1-Dichloropropene		<500	µg/Kg	500	1
Benzene		<500	µg/Kg	500	1
Carbon Tetrachloride		<500	µg/Kg	500	1
1,2-Dichloropropane		<500	µg/Kg	500	1
Trichloroethene (TCE)		<500	µg/Kg	500	1
Dibromomethane (methylene bromide)		<500	µg/Kg	500	1
Bromodichloromethane		<500	µg/Kg	500	1
2-Chloroethyl vinyl ether		<2500	µg/Kg	500	5
cis-1,3-Dichloropropene		<500	µg/Kg	500	1
trans-1,3-Dichloropropene		<500	µg/Kg	500	1
Toluene		<500	µg/Kg	500	1
1,1,2-Trichloroethane		1475	µg/Kg	500	1
1,3-Dichloropropane		<500	µg/Kg	500	1
Dibromochloromethane		<500	µg/Kg	500	1
1,2-Dibromoethane (EDB)		<500	µg/Kg	500	1
Tetrachloroethene (PCE)		<500	µg/Kg	500	1
Chlorobenzene		<500	µg/Kg	500	1
1,1,1,2-Tetrachloroethane		<500	µg/Kg	500	1
Ethylbenzene		2370	µg/Kg	500	1
m,p-Xylene		7620	µg/Kg	500	1
Bromoform		<500	µg/Kg	500	1
Styrene		<500	µg/Kg	500	1
o-Xylene		3080	µg/Kg	500	1
1,1,2,2-Tetrachloroethane		<500	µg/Kg	500	1
2-Chlorotoluene		<500	µg/Kg	500	1
1,2,3-Trichloropropane		<500	µg/Kg	500	1
Isopropylbenzene		<500	µg/Kg	500	1
Bromobenzene		<500	µg/Kg	500	1
n-Propylbenzene		915	µg/Kg	500	1
1,3,5-Trimethylbenzene		1865	µg/Kg	500	1
tert-Butylbenzene		<500	µg/Kg	500	1

Continued ...

[4]estimated concentration, RSD value above 15% on initial calibration

... *Continued* Sample: 170580 Analysis: 8260

Param	Flag	Result	Units	Dilution	RDL
1,2,4-Trimethylbenzene		6465	µg/Kg	500	1
1,4-Dichlorobenzene (para)		915	µg/Kg	500	1
sec-Butylbenzene		<500	µg/Kg	500	1
1,3-Dichlorobenzene		<500	µg/Kg	500	1
p-Isopropyltoluene		<500	µg/Kg	500	1
4-Chlorotoluene		<500	µg/Kg	500	1
1,2-Dichlorobenzene (ortho)		<500	µg/Kg	500	1
n-Butylbenzene		<500	µg/Kg	500	1
1,2-Dibromo-3-chloropropane		<2500	µg/Kg	500	5
1,2,3-Trichlorobenzene		<2500	µg/Kg	500	5
1,2,4-Trichlorobenzene		<2500	µg/Kg	500	5
Naphthalene		4165	µg/Kg	500	5
Hexachlorobutadiene		<2500	µg/Kg	500	5

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Dibromofluoromethane		47.99	µg/Kg	1	50	95	87 - 112
Toluene-d8		51.40	µg/Kg	1	50	102	91 - 111
4-Bromofluorobenzene		48.60	µg/Kg	1	50	97	79 - 104

Sample: 170580 - 0105030935 UNLINED WASTE PIT

Analysis: 8270 Analytical Method: S 8270C QC Batch: QC11161 Date Analyzed: 5/14/01
Analyst: RC Preparation Method: E 3510C Prep Batch: PB09570 Date Prepared: 5/9/01

Param	Flag	Result	Units	Dilution	RDL
Pyridine		<250	mg/Kg	1	0.25
n-Nitrosodimethylamine		<250	mg/Kg	1	0.25
2-Picoline		<250	mg/Kg	1	0.25
Methyl methanesulfonate		<250	mg/Kg	1	0.25
Ethyl methanesulfonate		<250	mg/Kg	1	0.25
Phenol		<250	mg/Kg	1	0.25
Aniline		<250	mg/Kg	1	0.25
bis (2-chloroethyl) ether		<250	mg/Kg	1	0.25
2-Chlorophenol		<250	mg/Kg	1	0.25
1,3-Dichlorobenzene		<250	mg/Kg	1	0.25
1,4-Dichlorobenzene		<250	mg/Kg	1	0.25
Benzyl alcohol		<250	mg/Kg	1	0.25
1,2-Dichlorobenzene		<250	mg/Kg	1	0.25
2-Methylphenol		<250	mg/Kg	1	0.25
bis (2-chloroisopropyl) ether		<250	mg/Kg	1	0.25
4-Methylphenol/3-Methylphenol		<250	mg/Kg	1	0.25
Acetophenone		<250	mg/Kg	1	0.25
n-Nitrosodi-n-propylamine		<250	mg/Kg	1	0.25
Hexachloroethane		<250	mg/Kg	1	0.25
Nitrobenzene		<250	mg/Kg	1	0.25
n-Nitrosopiperidine		<250	mg/Kg	1	0.25
Isophorone		<250	mg/Kg	1	0.25
2-Nitrophenol		<250	mg/Kg	1	0.25
2,4-Dimethylphenol		<250	mg/Kg	1	0.25
bis (2-chloroethoxy) methane		<250	mg/Kg	1	0.25
Benzoic acid		<250	mg/Kg	1	0.25

Continued ...

... *Continued* Sample: 170580 Analysis: 8270

Param	Flag	Result	Units	Dilution	RDL
2,4-Dichlorophenol		<250	mg/Kg	1	0.25
1,2,4-Trichlorobenzene		<250	mg/Kg	1	0.25
a,a-Dimethylphenethylamine		<250	mg/Kg	1	0.25
Naphthalene		<250	mg/Kg	1	0.25
4-Chloroaniline		<250	mg/Kg	1	0.25
2,6-Dichlorophenol		<250	mg/Kg	1	0.25
Hexachlorobutadiene		<250	mg/Kg	1	0.25
n-Nitroso-di-n-butylamine		<250	mg/Kg	1	0.25
4-Chloro-3-methylphenol		<250	mg/Kg	1	0.25
1-Methylnaphthalene		<250	mg/Kg	1	0.25
2-Methylnaphthalene		<250	mg/Kg	1	0.25
1,2,4,5-Tetrachlorobenzene		<250	mg/Kg	1	0.25
Hexachlorocyclopentadiene		<250	mg/Kg	1	0.25
2,4,6-Trichlorophenol		<250	mg/Kg	1	0.25
2,4,5-Trichlorophenol		<250	mg/Kg	1	0.25
2-Chloronaphthalene		<250	mg/Kg	1	0.25
1-Chloronaphthalene		<250	mg/Kg	1	0.25
2-Nitroaniline		<250	mg/Kg	1	0.25
Dimethylphthalate		<250	mg/Kg	1	0.25
Acenaphthylene		<250	mg/Kg	1	0.25
2,6-Dinitrotoluene		<250	mg/Kg	1	0.25
3-Nitroaniline		<250	mg/Kg	1	0.25
Acenaphthene		<250	mg/Kg	1	0.25
2,4-Dinitrophenol		<250	mg/Kg	1	0.25
Dibenzofuran		<250	mg/Kg	1	0.25
Pentachlorobenzene		<250	mg/Kg	1	0.25
4-Nitrophenol		<250	mg/Kg	1	0.25
1-Naphthylamine		<250	mg/Kg	1	0.25
2,4-Dinitrotoluene		<250	mg/Kg	1	0.25
2-Naphthylamine		<250	mg/Kg	1	0.25
2,3,4,6-Tetrachlorophenol		<250	mg/Kg	1	0.25
Fluorene		<250	mg/Kg	1	0.25
Diethylphthalate		<250	mg/Kg	1	0.25
4-Chlorophenyl-phenylether		<250	mg/Kg	1	0.25
4-Nitroaniline		<250	mg/Kg	1	0.25
4,6-Dinitro-2-methylphenol		<250	mg/Kg	1	0.25
Diphenylamine		<250	mg/Kg	1	0.25
Diphenylhydrazine		<250	mg/Kg	1	0.25
4-Bromophenyl-phenylether		<250	mg/Kg	1	0.25
Phenacetin		<250	mg/Kg	1	0.25
Hexachlorobenzene		<250	mg/Kg	1	0.25
4-Aminobiphenyl		<250	mg/Kg	1	0.25
Pentachlorophenol		<250	mg/Kg	1	0.25
Pentachloronitrobenzene		<250	mg/Kg	1	0.25
Pronamide		<250	mg/Kg	1	0.25
Phenanthrene		<250	mg/Kg	1	0.25
Anthracene		<250	mg/Kg	1	0.25
Di-n-butylphthalate		<250	mg/Kg	1	0.25
Fluoranthene		<250	mg/Kg	1	0.25
Benzidine		<250	mg/Kg	1	0.25
Pyrene		<250	mg/Kg	1	0.25
p-Dimethylaminoazobenzene		<250	mg/Kg	1	0.25
Butylbenzylphthalate		<250	mg/Kg	1	0.25
Benzo(a)anthracene		<250	mg/Kg	1	0.25

Continued ...

... *Continued* Sample: 170580 Analysis: 8270

Param	Flag	Result	Units	Dilution	RDL
3,3-Dichlorobenzidine		<250	mg/Kg	1	0.25
Chrysene		<250	mg/Kg	1	0.25
Bis (2-ethylhexyl) phthalate		<250	mg/Kg	1	0.25
Di-n-octylphthalate		<250	mg/Kg	1	0.25
Benzo(b)fluoranthene		<250	mg/Kg	1	0.25
7,12-Dimethylbenz(a)anthracene		<250	mg/Kg	1	0.25
Benzo(k)fluoranthene		<250	mg/Kg	1	0.25
Benzo(a)pyrene		<250	mg/Kg	1	0.25
3-Methylcholanthrene		<250	mg/Kg	1	0.25
Dibenzo(a,j)acridine		<250	mg/Kg	1	0.25
Indeno(1,2,3-cd)pyrene		<250	mg/Kg	1	0.25
Dibenzo(a,h)anthracene		<250	mg/Kg	1	0.25
Benzo(g,h,i)perylene		<250	mg/Kg	1	0.25

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
2-Fluorophenol		65.91	mg/Kg	1	80	82	25 - 121
Phenol-d5		67.65	mg/Kg	1	80	84	24 - 113
Nitrobenzene-d5		66.05	mg/Kg	1	80	82	23 - 120
2-Fluorobiphenyl		70.62	mg/Kg	1	80	88	30 - 115
2,4,6-Tribromophenol		63.23	mg/Kg	1	80	79	19 - 122
Terphenyl-d14		72.82	mg/Kg	1	80	91	28 - 137

Sample: 170580 - 0105030935

Analysis:	Corrosivity	Analytical Method:	S 1110	QC Batch:	QC11048	Date Analyzed:	5/9/01
Analyst:	TML	Preparation Method:	N/A	Prep Batch:	PB09481	Date Prepared:	5/9/01

Param	Flag	Result	Units	Dilution	RDL
Corrosivity		non	mm/yr	1	
pH		5.76	s.u.	1	

Sample: 170580 - 0105030935

Analysis:	Hg, Total	Analytical Method:	S 7471A	QC Batch:	QC11035	Date Analyzed:	4/8/01
Analyst:	SSC	Preparation Method:	N/A	Prep Batch:	PB10766	Date Prepared:	4/7/01

Param	Flag	Result	Units	Dilution	RDL
Total Mercury		<0.19	mg/Kg	1	0.19

Sample: 170580 - 0105030935

Analysis:	Ignitability	Analytical Method:	SW-846 Ch. 7.1	QC Batch:	QC11049	Date Analyzed:	5/9/01
Analyst:	TML	Preparation Method:	N/A	Prep Batch:	PB09481	Date Prepared:	5/9/01

Param	Flag	Result	Units	Dilution	RDL
Ignitability		non-ignitable		1	

Sample: 170580 - 0105030935

Analysis: Reactivity Analytical Method: ASTM D 5049-90/4978-95 QC Batch: QC11047 Date Analyzed: 5/9/01
Analyst: TML Preparation Method: N/A Prep Batch: PB09481 Date Prepared: 5/9/01

Param	Flag	Result	Units	Dilution	RDL
Reactivity		Non-reactive		1	
Hydrogen Sulfide		<10	mg/Kg	1	
Hydrogen Cyanide		<2.5	mg/Kg	1	

Sample: 170580 - 0105030935

Analysis: TCLP Hg Analytical Method: S 7470A QC Batch: QC11196 Date Analyzed: 5/15/01
Analyst: SSC Preparation Method: E 1311 Prep Batch: PB09548 Date Prepared: 5/8/01

Param	Flag	Result	Units	Dilution	RDL
TCLP Mercury		<0.010	mg/L	1	0.01

Sample: 170580 - 0105030935

Analysis: TCLP Metals Analytical Method: S 6010B QC Batch: QC11120 Date Analyzed: 5/12/01
Analyst: RR Preparation Method: 1311 Prep Batch: PB09462 Date Prepared: 5/9/01

Param	Flag	Result	Units	Dilution	RDL
TCLP Arsenic		<1	mg/L	10	1
TCLP Barium		<1	mg/L	10	1
TCLP Cadmium		<0.2	mg/L	10	0.20
TCLP Chromium		<1	mg/L	10	1
TCLP Lead		<1	mg/L	10	1
TCLP Selenium		<1	mg/L	10	1
TCLP Silver		<0.5	mg/L	10	0.50

Sample: 170580 - 0105030935

Analysis: TCLP Semivolatiles Analytical Method: E 8270C QC Batch: QC12510 Date Analyzed: 5/21/01
Analyst: RC Preparation Method: 1311 Prep Batch: PB09716 Date Prepared: 5/14/01

Param	Flag	Result	Units	Dilution	RDL
Pyridine		<0.05	mg/L	1	0.05
1,4-Dichlorobenzene		<0.05	mg/L	1	0.05
o-Cresol		<0.05	mg/L	1	0.05
m,p-Cresol		<0.05	mg/L	1	0.05
Hexachloroethane		<0.05	mg/L	1	0.05
Nitrobenzene		<0.05	mg/L	1	0.05
Hexachlorobutadiene		<0.05	mg/L	1	0.05
2,4,6-Trichlorophenol		<0.05	mg/L	1	0.05
2,4,5-Trichlorophenol		<0.05	mg/L	1	0.05
2,4-Dinitrotoluene		<0.05	mg/L	1	0.05
2,4-D		<0.05	mg/L	1	0.05
Hexachlorobenzene		<0.05	mg/L	1	0.05
2,4,5-TP		<0.05	mg/L	1	0.05
Pentachlorophenol		<0.05	mg/L	1	0.05

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
2-Fluorophenol		17.58	mg/Kg	1	80	21	21 - 100
Phenol-d5		11.58	mg/Kg	1	80	14	10 - 94
Nitrobenzene-d5		51.99	mg/Kg	1	80	64	35 - 114
2-Fluorobiphenyl		52.29	mg/Kg	1	80	65	43 - 116
2,4,6-Tribromophenol		51.6	mg/Kg	1	80	64	10 - 123
Terphenyl-d14		52.66	mg/Kg	1	80	65	33 - 141

Sample: 170580 - 0105030935

Analysis: TCLP Volatiles | Analytical Method: S 8260B | QC Batch: QC11207 | Date Analyzed: 5/10/01
Analyst: JG | Preparation Method: 1311 | Prep Batch: PB09604 | Date Prepared: 5/8/01

Param	Flag	Result	Units	Dilution	RDL
Vinyl Chloride		<0.05	mg/L	50	0.001
1,1-Dichloroethene		<0.05	mg/L	50	0.001
Methyl ethyl ketone		<0.50	mg/L	50	0.01
Chloroform		<0.05	mg/L	50	0.001
1,2-Dichloroethane (EDC)		<0.05	mg/L	50	0.001
Benzene		<0.05	mg/L	50	0.001
Carbon Tetrachloride		<0.05	mg/L	50	0.001
Trichloroethene (TCE)		<0.05	mg/L	50	0.001
Tetrachloroethene (PCE)		<0.05	mg/L	50	0.001
Chlorobenzene		<0.05	mg/L	50	0.001
1,4-Dichlorobenzene		<0.05	mg/L	50	0.001

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Dibromofluoromethane		44.5	mg/Kg	1	50	89	85 - 115
Toluene-d8		47	mg/Kg	1	50	94	86 - 114
4-Bromofluorobenzene		47	mg/Kg	1	50	94	79 - 108

Sample: 170580 - 0105030935

Analysis: Total Metals | Analytical Method: S 6010B | QC Batch: QC11118 | Date Analyzed: 5/12/01
Analyst: RR | Preparation Method: E 3015 | Prep Batch: PB09414 | Date Prepared: 5/7/01

Param	Flag	Result	Units	Dilution	RDL
Total Arsenic		<10	mg/Kg	1	5
Total Barium		74.3	mg/Kg	1	5
Total Cadmium		<5.0	mg/Kg	1	2
Total Chromium		5.34	mg/Kg	1	5
Total Lead		22.3	mg/Kg	1	5
Total Selenium		<10	mg/Kg	1	5
Total Silver		<2.5	mg/Kg	1	1

110510-00

Wayne Price 505-476-3487

Page 1 of

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

LAB Order ID # A01050435

Company Name: Oil Conservation Div Phone #: (505) 393 6161

Address: (Street, City, Zip) 1220 S SAINT FRANCIS DRIVE SANTA FE NM 87505 Fax #: 505-393-0720

Contact Person: Paul Sheeley

Invoice to: (If different from above)

Project #: Project Name: R+R Service Co. - Hobbs

Project Location: R & R Service Co Sampler Signature: Wayne Price

ANALYSIS REQUEST

(Circle or Specify Method No.)

LAB # (LAB USE ONLY)	FIELD CODE	# CONTAINERS	Volume/Amount	MATRIX: WATER	SOIL	AIR	SLUDGE	Misc. Chips	PRESERVATIVE METHOD: HCL	HNO3	NaHSO4	H_2SO_4	NaOH	ICE	NONE	SAMPLING: DATE	TIME
170575	0105030830	1	4oz		✓									✓		5/3/01	8:30 AM
76	0105030845	1	"				✓							✓		"	8:45
77	0105030850	1	"		✓									✓		"	8:50
78	0105030900	1	"		✓									✓		"	9:00
79	0105030905	1	"					✓						✓		"	9:05
80	0105030935	1	40ml				✓		✓					✓		"	935
	0105030935	1	"				✓		✓					✓		"	935
	0105030935	1	1-L				✓							✓		"	935

ANALYSIS REQUEST columns: MTBE 8021B/602; BTEX 8021B/602; TPH 418.1/TX1005; PAH 8270C; Total Metals Ag As Ba Cd Cr Pb Se Hg 6010B/200.7; TCLP Metals Ag As Ba Cd Cr Pb Se Hg; TCLP Volatiles; TCLP Semi Volatiles; TCLP Pesticides; RCI; GC-MS Vol. 8260B/624; GC/MS Semi. Vol. 8270C/625; PCB's 8082/608; Pesticides 8081A/608; BOD, TSS, pH; OCD GEN CHEM; Turn Around Time if different from standard; Hold

Relinquished by:	Date:	Time:	Received by:	Date:	Time:
WAYNE PRICE	5/3/01	10:15 AM			
Relinquished by:	Date:	Time:	Received by:	Date:	Time:
Relinquished by:	Date:	Time:	Received at Laboratory by: Nell Green	Date: 5-4-01	Time: 10:00am

LAB USE ONLY

Intact (Y) / N

Headspace Y / N

Temp 0 °

Log-in Review

REMARKS:

170579 - Grind prior to analysis

7/18

Carrier # BUS · 902 591 4134

Submittal of samples constitutes agreement to Terms and Conditions listed on reverse side of C.O.C.

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TRACEANALYSIS, INC.

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Analytical and Quality Control Report

Paul Sheeley
OCD
1220 S. Saint Francis Dr.
Santa Fe, NM 87504

Report Date: July 17, 2001

Order ID Number: A01050435

Project Number: N/A
Project Name: R&R Service Co.
Project Location: R&R Service Co.

Enclosed are the Analytical Results and Quality Control Data Reports for the following samples submitted to Trace-Analysis, Inc.

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
170575	0105030830	Solid	5/3/01	:	5/4/01
170576	0105030845	Solid	5/3/01	:	5/4/01
170577	0105030850	Solid	5/3/01	:	5/4/01
170578	0105030900	Solid	5/3/01	:	5/4/01
170579	0105030905	Solid	5/3/01	:	5/4/01
170580	0105030935	Sludge	5/3/01	:	5/4/01

These results represent only the samples received in the laboratory. The Quality Control Report is generated on a batch basis. All information contained in this report is for the analytical batch(es) in which your sample(s) were analyzed.

This report consists of a total of 42 pages and shall not be reproduced except in its entirety including the chain of custody (COC), without written approval of TraceAnalysis, Inc.

Dr. Blair Leftwich, Director

Analytical Report

Sample: 170575 - 0105030830

Analysis:	BTEX	Analytical Method:	S 8021B	QC Batch:	QC11134	Date Analyzed:	5/11/01
Analyst:	JW	Preparation Method:	E 5035	Prep Batch:	PB09536	Date Prepared:	5/11/01

Param	Flag	Result	Units	Dilution	RDL
Benzene		<0.025	mg/Kg	25	0.001
Toluene		<0.025	mg/Kg	25	0.001
Ethylbenzene		<0.025	mg/Kg	25	0.001
M,P,O-Xylene		<0.025	mg/Kg	25	0.001
Total BTEX		<0.025	mg/Kg	25	0.001

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
TFT		2.38	mg/Kg	25	0.10	95	72 - 128
4-BFB		2.22	mg/Kg	25	0.10	88	72 - 128

Sample: 170575 - 0105030830

Analysis:	TPH	Analytical Method:	E 418.1	QC Batch:	QC11016	Date Analyzed:	5/8/01
Analyst:	JJ	Preparation Method:	E 3550B	Prep Batch:	PB09454	Date Prepared:	5/5/01

Param	Flag	Result	Units	Dilution	RDL
TRPHC		525000	mg/Kg	1	10

Sample: 170576 - 0105030845

Analysis:	8260	Analytical Method:	S 8260B	QC Batch:	QC11114	Date Analyzed:	5/11/01
Analyst:	JG	Preparation Method:	E 5035	Prep Batch:	PB09526	Date Prepared:	5/11/01

Param	Flag	Result	Units	Dilution	RDL
Bromochloromethane		<5000	µg/Kg	5000	1
Dichlorodifluoromethane		<5000	µg/Kg	5000	1
Chloromethane (methyl chloride)		<5000	µg/Kg	5000	1
Vinyl Chloride		<5000	µg/Kg	5000	1
Bromomethane (methyl bromide)		<5000	µg/Kg	5000	1
Chloroethane		<5000	µg/Kg	5000	1
Trichlorofluoromethane		<5000	µg/Kg	5000	1
Acetone	[1]	89600	µg/Kg	5000	10
Iodomethane (methyl iodide)		<25000	µg/Kg	5000	5
Carbon Disulfide		<5000	µg/Kg	5000	1
Acrylonitrile		<5000	µg/Kg	5000	1
2-Butanone (MEK)		<25000	µg/Kg	5000	5
4-methyl-2-pentanone (MIBK)		100300	µg/Kg	5000	5
2-hexanone		<25000	µg/Kg	5000	5
trans 1,4-Dichloro-2-butene		<50000	µg/Kg	5000	10
1,1-Dichloroethene		<5000	µg/Kg	5000	1
Methylene chloride		<25000	µg/Kg	5000	5
MTBE		<5000	µg/Kg	5000	1

Continued ...

[1] estimated concentration, RSD value above 15% on initial calibration

... *Continued* Sample: 170576 Analysis: 8260

Param	Flag	Result	Units	Dilution	RDL
trans-1,2-Dichloroethene		<5000	µg/Kg	5000	1
1,1-Dichloroethane		<5000	µg/Kg	5000	1
cis-1,2-Dichloroethene		<5000	µg/Kg	5000	1
2,2-Dichloropropane		<5000	µg/Kg	5000	1
1,2-Dichloroethane (EDC)		<5000	µg/Kg	5000	1
Chloroform		<5000	µg/Kg	5000	1
1,1,1-Trichloroethane		<5000	µg/Kg	5000	1
1,1-Dichloropropene		<5000	µg/Kg	5000	1
Benzene		7600	µg/Kg	5000	1
Carbon Tetrachloride		<5000	µg/Kg	5000	1
1,2-Dichloropropane		<5000	µg/Kg	5000	1
Trichloroethene (TCE)		<5000	µg/Kg	5000	1
Dibromomethane (methylene bromide)		<5000	µg/Kg	5000	1
Bromodichloromethane		<5000	µg/Kg	5000	1
2-Chloroethyl vinyl ether		<25000	µg/Kg	5000	5
cis-1,3-Dichloropropene		<5000	µg/Kg	5000	1
trans-1,3-Dichloropropene		<5000	µg/Kg	5000	1
Toluene	[2]	1729000	µg/Kg	5000	1
1,1,2-Trichloroethane		<5000	µg/Kg	5000	1
1,3-Dichloropropane		<5000	µg/Kg	5000	1
Dibromochloromethane		<5000	µg/Kg	5000	1
1,2-Dibromoethane (EDB)		<5000	µg/Kg	5000	1
Tetrachloroethene (PCE)		<5000	µg/Kg	5000	1
Chlorobenzene		<5000	µg/Kg	5000	1
1,1,1,2-Tetrachloroethane		<5000	µg/Kg	5000	1
Ethylbenzene		192800	µg/Kg	5000	1
m,p-Xylene		668550	µg/Kg	5000	1
Bromoform		<5000	µg/Kg	5000	1
Styrene		<5000	µg/Kg	5000	1
o-Xylene		199750	µg/Kg	5000	1
1,1,2,2-Tetrachloroethane		<5000	µg/Kg	5000	1
2-Chlorotoluene		<5000	µg/Kg	5000	1
1,2,3-Trichloropropane		<5000	µg/Kg	5000	1
Isopropylbenzene		20750	µg/Kg	5000	1
Bromobenzene		<5000	µg/Kg	5000	1
n-Propylbenzene		50100	µg/Kg	5000	1
1,3,5-Trimethylbenzene		94650	µg/Kg	5000	1
tert-Butylbenzene		<5000	µg/Kg	5000	1
1,2,4-Trimethylbenzene		257250	µg/Kg	5000	1
1,4-Dichlorobenzene (para)		<5000	µg/Kg	5000	1
sec-Butylbenzene		10400	µg/Kg	5000	1
1,3-Dichlorobenzene		<5000	µg/Kg	5000	1
p-Isopropyltoluene		<5000	µg/Kg	5000	1
4-Chlorotoluene		<5000	µg/Kg	5000	1
1,2-Dichlorobenzene (ortho)		<5000	µg/Kg	5000	1
n-Butylbenzene		14800	µg/Kg	5000	1
1,2-Dibromo-3-chloropropane		<25000	µg/Kg	5000	5
1,2,3-Trichlorobenzene		<25000	µg/Kg	5000	5
1,2,4-Trichlorobenzene		<25000	µg/Kg	5000	5
Naphthalene		<25000	µg/Kg	5000	5
Hexachlorobutadiene		<25000	µg/Kg	5000	5

[2]estimated concentration, response above standard range

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Dibromofluoromethane		47.30	µg/Kg	1	50	94	87 - 121
Toluene-d8		82.29	µg/Kg	1	50	164	91 - 114
4-Bromofluorobenzene		48.13	µg/Kg	1	50	96	86 - 114

Sample: 170576 - 0105030845

Analysis:	8270	Analytical Method:	S 8270C	QC Batch:	QC11106	Date Analyzed:	5/8/01
Analyst:	RC	Preparation Method:	E 3510C	Prep Batch:	PB09518	Date Prepared:	5/7/01

Param	Flag	Result	Units	Dilution	RDL
Pyridine		<62.5	mg/Kg	250	0.25
n-Nitrosodimethylamine		<62.5	mg/Kg	250	0.25
2-Picoline		<62.5	mg/Kg	250	0.25
Methyl methanesulfonate		<62.5	mg/Kg	250	0.25
Ethyl methanesulfonate		<62.5	mg/Kg	250	0.25
Phenol		<62.5	mg/Kg	250	0.25
Aniline		<62.5	mg/Kg	250	0.25
bis (2-chloroethyl) ether		<62.5	mg/Kg	250	0.25
2-Chlorophenol		<62.5	mg/Kg	250	0.25
1,3-Dichlorobenzene		<62.5	mg/Kg	250	0.25
1,4-Dichlorobenzene		<62.5	mg/Kg	250	0.25
Benzyl alcohol		<62.5	mg/Kg	250	0.25
1,2-Dichlorobenzene		<62.5	mg/Kg	250	0.25
2-Methylphenol		<62.5	mg/Kg	250	0.25
bis (2-chloroisopropyl) ether		<62.5	mg/Kg	250	0.25
4-Methylphenol/3-Methylphenol		<62.5	mg/Kg	250	0.25
Acetophenone		<62.5	mg/Kg	250	0.25
n-Nitrosodi-n-propylamine		<62.5	mg/Kg	250	0.25
Hexachloroethane		<62.5	mg/Kg	250	0.25
Nitrobenzene		<62.5	mg/Kg	250	0.25
n-Nitrosopiperidine		<62.5	mg/Kg	250	0.25
Isophorone		<62.5	mg/Kg	250	0.25
2-Nitrophenol		<62.5	mg/Kg	250	0.25
2,4-Dimethylphenol		<62.5	mg/Kg	250	0.25
bis (2-chloroethoxy) methane		<62.5	mg/Kg	250	0.25
Benzoic acid		<62.5	mg/Kg	250	0.25
2,4-Dichlorophenol		<62.5	mg/Kg	250	0.25
1,2,4-Trichlorobenzene		<62.5	mg/Kg	250	0.25
a,a-Dimethylphenethylamine		<62.5	mg/Kg	250	0.25
Naphthalene		<62.5	mg/Kg	250	0.25
4-Chloroaniline		<62.5	mg/Kg	250	0.25
2,6-Dichlorophenol		<62.5	mg/Kg	250	0.25
Hexachlorobutadiene		<62.5	mg/Kg	250	0.25
n-Nitroso-di-n-butylamine		<62.5	mg/Kg	250	0.25
4-Chloro-3-methylphenol		<62.5	mg/Kg	250	0.25
1-Methylnaphthalene		89.92	mg/Kg	250	0.25
2-Methylnaphthalene		85.06	mg/Kg	250	0.25
1,2,4,5-Tetrachlorobenzene		<62.5	mg/Kg	250	0.25
Hexachlorocyclopentadiene		<62.5	mg/Kg	250	0.25
2,4,6-Trichlorophenol		<62.5	mg/Kg	250	0.25
2,4,5-Trichlorophenol		<62.5	mg/Kg	250	0.25
2-Chloronaphthalene		<62.5	mg/Kg	250	0.25
1-Chloronaphthalene		<62.5	mg/Kg	250	0.25

Continued ...

... *Continued* Sample: 170576 Analysis: 8270

Param	Flag	Result	Units	Dilution	RDL
2-Nitroaniline		<62.5	mg/Kg	250	0.25
Dimethylphthalate		<62.5	mg/Kg	250	0.25
Acenaphthylene		<62.5	mg/Kg	250	0.25
2,6-Dinitrotoluene		<62.5	mg/Kg	250	0.25
3-Nitroaniline		<62.5	mg/Kg	250	0.25
Acenaphthene		<62.5	mg/Kg	250	0.25
2,4-Dinitrophenol		<62.5	mg/Kg	250	0.25
Dibenzofuran		<62.5	mg/Kg	250	0.25
Pentachlorobenzene		<62.5	mg/Kg	250	0.25
4-Nitrophenol		<62.5	mg/Kg	250	0.25
1-Naphthylamine		<62.5	mg/Kg	250	0.25
2,4-Dinitrotoluene		<62.5	mg/Kg	250	0.25
2-Naphthylamine		<62.5	mg/Kg	250	0.25
2,3,4,6-Tetrachlorophenol		<62.5	mg/Kg	250	0.25
Fluorene		<62.5	mg/Kg	250	0.25
Diethylphthalate		<62.5	mg/Kg	250	0.25
4-Chlorophenyl-phenylether		<62.5	mg/Kg	250	0.25
4-Nitroaniline		<62.5	mg/Kg	250	0.25
4,6-Dinitro-2-methylphenol		<62.5	mg/Kg	250	0.25
Diphenylamine		<62.5	mg/Kg	250	0.25
Diphenylhydrazine		<62.5	mg/Kg	250	0.25
4-Bromophenyl-phenylether		<62.5	mg/Kg	250	0.25
Phenacetin		<62.5	mg/Kg	250	0.25
Hexachlorobenzene		<62.5	mg/Kg	250	0.25
4-Aminobiphenyl		<62.5	mg/Kg	250	0.25
Pentachlorophenol		<62.5	mg/Kg	250	0.25
Pentachloronitrobenzene		<62.5	mg/Kg	250	0.25
Pronamide		<62.5	mg/Kg	250	0.25
Phenanthrene		<62.5	mg/Kg	250	0.25
Anthracene		<62.5	mg/Kg	250	0.25
Di-n-butylphthalate		<62.5	mg/Kg	250	0.25
Fluoranthene		<62.5	mg/Kg	250	0.25
Benzidine		<62.5	mg/Kg	250	0.25
Pyrene		<62.5	mg/Kg	250	0.25
p-Dimethylaminoazobenzene		<62.5	mg/Kg	250	0.25
Butylbenzylphthalate		<62.5	mg/Kg	250	0.25
Benzo(a)anthracene		<62.5	mg/Kg	250	0.25
3,3-Dichlorobenzidine		<62.5	mg/Kg	250	0.25
Chrysene		<62.5	mg/Kg	250	0.25
Bis (2-ethylhexyl) phthalate		<62.5	mg/Kg	250	0.25
Di-n-octylphthalate		<62.5	mg/Kg	250	0.25
Benzo(b)fluoranthene		<62.5	mg/Kg	250	0.25
7,12-Dimethylbenz(a)anthracene		<62.5	mg/Kg	250	0.25
Benzo(k)fluoranthene		<62.5	mg/Kg	250	0.25
Benzo(a)pyrene		<62.5	mg/Kg	250	0.25
3-Methylcholanthrene		<62.5	mg/Kg	250	0.25
Dibenzo(a,j)acridine		<62.5	mg/Kg	250	0.25
Indeno(1,2,3-cd)pyrene		<62.5	mg/Kg	250	0.25
Dibenzo(a,h)anthracene		<62.5	mg/Kg	250	0.25
Benzo(g,h,i)perylene		<62.5	mg/Kg	250	0.25

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
2-Fluorophenol		30.71	mg/Kg	250	80	38	25 - 121

Continued ...

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Phenol-d5		45.26	mg/Kg	250	80	56	24 - 113
Nitrobenzene-d5		68.24	mg/Kg	250	80	85	23 - 120
2-Fluorobiphenyl		57.98	mg/Kg	250	80	72	30 - 115
2,4,6-Tribromophenol		30.28	mg/Kg	250	80	37	19 - 122
Terphenyl-d14		69.9	mg/Kg	250	80	87	28 - 137

Sample: 170576 - 0105030845

Analysis: Alkalinity | Analytical Method: E 310.1 | QC Batch: QC11294 | Date Analyzed: 5/17/01
Analyst: RS | Preparation Method: N/A | Prep Batch: PB09663 | Date Prepared: 5/17/01

Param	Flag	Result	Units	Dilution	RDL
Hydroxide Alkalinity		<1.0	mg/Kg as CaCo3	1	1
Carbonate Alkalinity		<1.0	mg/Kg as CaCo3	1	1
Bicarbonate Alkalinity		38	mg/Kg as CaCo3	1	1
Total Alkalinity		38	mg/Kg as CaCo3	1	1

Sample: 170576 - 0105030845

Analysis: Conductivity | Analytical Method: SM 2510B | QC Batch: QC11190 | Date Analyzed: 5/9/01
Analyst: JS | Preparation Method: N/A | Prep Batch: PB09552 | Date Prepared: 5/9/01

Param	Flag	Result	Units	Dilution	RDL
Specific Conductance		7280	μMHOS/cm	1	

Sample: 170576 - 0105030845

Analysis: Hg, Total | Analytical Method: S 7471A | QC Batch: QC11034 | Date Analyzed: 5/8/01
Analyst: SSC | Preparation Method: N/A | Prep Batch: PB10767 | Date Prepared: 4/7/01

Param	Flag	Result	Units	Dilution	RDL
Total Mercury		0.33	mg/Kg	1	0.19

Sample: 170576 - 0105030845

Analysis: Ion Chromatography (IC) | Analytical Method: E 300.0 | QC Batch: QC11065 | Date Analyzed: 5/9/01
Analyst: JS | Preparation Method: N/A | Prep Batch: PB09495 | Date Prepared: 5/9/01

Param	Flag	Result	Units	Dilution	RDL
CL		2130	mg/Kg	100	0.50
Fluoride		<5.0	mg/Kg	5	0.20
Nitrate-N		<5.0	mg/Kg	5	0.20
Sulfate		1320	mg/Kg	100	0.50

Sample: 170576 - 0105030845

Analysis: Salts | Analytical Method: S 6010B | QC Batch: QC12291 | Date Analyzed: 5/14/01
Analyst: LEN | Preparation Method: E 3005 A | Prep Batch: PB10517 | Date Prepared: 5/8/01

Param	Flag	Result	Units	Dilution	RDL
Dissolved Calcium		92300	mg/L	1	0.50
Dissolved Magnesium		8085	mg/L	1	0.50
Dissolved Potassium		888	mg/L	1	0.50
Dissolved Sodium		7582	mg/L	1	0.50

Sample: 170576 - 0105030845

Analysis: TDS Analytical Method: E 160.1 QC Batch: QC11260 Date Analyzed: 5/16/01
Analyst: JS Preparation Method: N/A Prep Batch: PB09621 Date Prepared: 5/15/01

Param	Flag	Result	Units	Dilution	RDL
Total Dissolved Solids		5210	mg/L	10	10

Sample: 170576 - 0105030845

Analysis: Total Metals Analytical Method: S 6010B QC Batch: QC11123 Date Analyzed: 5/12/01
Analyst: RR Preparation Method: E 3015 Prep Batch: PB09414 Date Prepared: 5/7/01

Param	Flag	Result	Units	Dilution	RDL
Total Arsenic		<5	mg/Kg	1	5
Total Barium		748	mg/Kg	1	5
Total Cadmium		<2	mg/Kg	1	2
Total Chromium		309	mg/Kg	1	5
Total Lead		261	mg/Kg	1	5
Total Selenium		<5	mg/Kg	1	5
Total Silver		<1	mg/Kg	1	1

Sample: 170576 - 0105030845

Analysis: pH Analytical Method: E 150.1 QC Batch: QC11250 Date Analyzed: 5/9/01
Analyst: RS Preparation Method: N/A Prep Batch: PB09628 Date Prepared: 5/9/01

Param	Flag	Result	Units	Dilution	RDL
pH		6.9	s.u.	1	1

Sample: 170577 - 0105030850

Analysis: 8260 Analytical Method: S 8260B QC Batch: QC11114 Date Analyzed: 5/11/01
Analyst: JG Preparation Method: E 5035 Prep Batch: PB09526 Date Prepared: 5/11/01

Param	Flag	Result	Units	Dilution	RDL
Bromochloromethane		<500	µg/Kg	500	1
Dichlorodifluoromethane		<500	µg/Kg	500	1
Chloromethane (methyl chloride)		<500	µg/Kg	500	1
Vinyl Chloride		<500	µg/Kg	500	1
Bromomethane (methyl bromide)		<500	µg/Kg	500	1
Chloroethane		<500	µg/Kg	500	1
Trichlorofluoromethane		<500	µg/Kg	500	1
Acetone		<5000	µg/Kg	500	10
Iodomethane (methyl iodide)		<2500	µg/Kg	500	5
Carbon Disulfide		<500	µg/Kg	500	1

Continued ...

... *Continued* Sample: 170577 Analysis: 8260

Param	Flag	Result	Units	Dilution	RDL
Acrylonitrile		<500	µg/Kg	500	1
2-Butanone (MEK)		<2500	µg/Kg	500	5
4-methyl-2-pentanone (MIBK)		<2500	µg/Kg	500	5
2-hexanone		<2500	µg/Kg	500	5
trans 1,4-Dichloro-2-butene		<5000	µg/Kg	500	10
1,1-Dichloroethene		<500	µg/Kg	500	1
Methylene chloride		<2500	µg/Kg	500	5
MTBE		<500	µg/Kg	500	1
trans-1,2-Dichloroethene		<500	µg/Kg	500	1
1,1-Dichloroethane		<500	µg/Kg	500	1
cis-1,2-Dichloroethene		<500	µg/Kg	500	1
2,2-Dichloropropane		<500	µg/Kg	500	1
1,2-Dichloroethane (EDC)		<500	µg/Kg	500	1
Chloroform		<500	µg/Kg	500	1
1,1,1-Trichloroethane		<500	µg/Kg	500	1
1,1-Dichloropropene		<500	µg/Kg	500	1
Benzene		<500	µg/Kg	500	1
Carbon Tetrachloride		<500	µg/Kg	500	1
1,2-Dichloropropane		<500	µg/Kg	500	1
Trichloroethene (TCE)		<500	µg/Kg	500	1
Dibromomethane (methylene bromide)		<500	µg/Kg	500	1
Bromodichloromethane		<500	µg/Kg	500	1
2-Chloroethyl vinyl ether		<2500	µg/Kg	500	5
cis-1,3-Dichloropropene		<500	µg/Kg	500	1
trans-1,3-Dichloropropene		<500	µg/Kg	500	1
Toluene		<500	µg/Kg	500	1
1,1,2-Trichloroethane		<500	µg/Kg	500	1
1,3-Dichloropropane		<500	µg/Kg	500	1
Dibromochloromethane		<500	µg/Kg	500	1
1,2-Dibromoethane (EDB)		<500	µg/Kg	500	1
Tetrachloroethene (PCE)		<500	µg/Kg	500	1
Chlorobenzene		<500	µg/Kg	500	1
1,1,1,2-Tetrachloroethane		<500	µg/Kg	500	1
Ethylbenzene		3625	µg/Kg	500	1
m,p-Xylene		4155	µg/Kg	500	1
Bromoform		<500	µg/Kg	500	1
Styrene		<500	µg/Kg	500	1
o-Xylene		1370	µg/Kg	500	1
1,1,2,2-Tetrachloroethane		<500	µg/Kg	500	1
2-Chlorotoluene		<500	µg/Kg	500	1
1,2,3-Trichloropropane		<500	µg/Kg	500	1
Isopropylbenzene		3075	µg/Kg	500	1
Bromobenzene		<500	µg/Kg	500	1
n-Propylbenzene		6745	µg/Kg	500	1
1,3,5-Trimethylbenzene		8165	µg/Kg	500	1
tert-Butylbenzene		<500	µg/Kg	500	1
1,2,4-Trimethylbenzene		31315	µg/Kg	500	1
1,4-Dichlorobenzene (para)		<500	µg/Kg	500	1
sec-Butylbenzene		4630	µg/Kg	500	1
1,3-Dichlorobenzene		<500	µg/Kg	500	1
p-Isopropyltoluene		3605	µg/Kg	500	1
4-Chlorotoluene		<500	µg/Kg	500	1
1,2-Dichlorobenzene (ortho)		<500	µg/Kg	500	1
n-Butylbenzene		10375	µg/Kg	500	1

Continued ...

... *Continued* Sample: 170577 Analysis: 8260

Param	Flag	Result	Units	Dilution	RDL
1,2-Dibromo-3-chloropropane		<2500	µg/Kg	500	5
1,2,3-Trichlorobenzene		<2500	µg/Kg	500	5
1,2,4-Trichlorobenzene		<2500	µg/Kg	500	5
Naphthalene		25820	µg/Kg	500	5
Hexachlorobutadiene		<2500	µg/Kg	500	5

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Dibromofluoromethane		48.29	µg/Kg	1	50	96	87 - 121
Toluene-d8		51.42	µg/Kg	1	50	102	91 - 114
4-Bromofluorobenzene		48.95	µg/Kg	1	50	97	86 - 114

Sample: 170577 - 0105030850

Analysis:	8270	Analytical Method:	S 8270C	QC Batch:	QC11106	Date Analyzed:	5/8/01
Analyst:	RC	Preparation Method:	E 3510C	Prep Batch:	PB09518	Date Prepared:	5/7/01

Param	Flag	Result	Units	Dilution	RDL
Pyridine		<62.5	mg/Kg	250	0.25
n-Nitrosodimethylamine		<62.5	mg/Kg	250	0.25
2-Picoline		<62.5	mg/Kg	250	0.25
Methyl methanesulfonate		<62.5	mg/Kg	250	0.25
Ethyl methanesulfonate		<62.5	mg/Kg	250	0.25
Phenol		<62.5	mg/Kg	250	0.25
Aniline		<62.5	mg/Kg	250	0.25
bis (2-chloroethyl) ether		<62.5	mg/Kg	250	0.25
2-Chlorophenol		<62.5	mg/Kg	250	0.25
1,3-Dichlorobenzene		<62.5	mg/Kg	250	0.25
1,4-Dichlorobenzene		<62.5	mg/Kg	250	0.25
Benzyl alcohol		<62.5	mg/Kg	250	0.25
1,2-Dichlorobenzene		<62.5	mg/Kg	250	0.25
2-Methylphenol		<62.5	mg/Kg	250	0.25
bis (2-chloroisopropyl) ether		<62.5	mg/Kg	250	0.25
4-Methylphenol/3-Methylphenol		<62.5	mg/Kg	250	0.25
Acetophenone		<62.5	mg/Kg	250	0.25
n-Nitrosodi-n-propylamine		<62.5	mg/Kg	250	0.25
Hexachloroethane		<62.5	mg/Kg	250	0.25
Nitrobenzene		<62.5	mg/Kg	250	0.25
n-Nitrosopiperidine		<62.5	mg/Kg	250	0.25
Isophorone		<62.5	mg/Kg	250	0.25
2-Nitrophenol		<62.5	mg/Kg	250	0.25
2,4-Dimethylphenol		<62.5	mg/Kg	250	0.25
bis (2-chloroethoxy) methane		<62.5	mg/Kg	250	0.25
Benzoic acid		<62.5	mg/Kg	250	0.25
2,4-Dichlorophenol		<62.5	mg/Kg	250	0.25
1,2,4-Trichlorobenzene		<62.5	mg/Kg	250	0.25
a,a-Dimethylphenethylamine		<62.5	mg/Kg	250	0.25
Naphthalene		<62.5	mg/Kg	250	0.25
4-Chloroaniline		<62.5	mg/Kg	250	0.25
2,6-Dichlorophenol		<62.5	mg/Kg	250	0.25
Hexachlorobutadiene		<62.5	mg/Kg	250	0.25
n-Nitroso-di-n-butylamine		<62.5	mg/Kg	250	0.25

Continued ...

... *Continued* Sample: 170577 Analysis: 8270

Param	Flag	Result	Units	Dilution	RDL
4-Chloro-3-methylphenol		<62.5	mg/Kg	250	0.25
1-Methylnaphthalene		147.04	mg/Kg	250	0.25
2-Methylnaphthalene		131.74	mg/Kg	250	0.25
1,2,4,5-Tetrachlorobenzene		<62.5	mg/Kg	250	0.25
Hexachlorocyclopentadiene		<62.5	mg/Kg	250	0.25
2,4,6-Trichlorophenol		<62.5	mg/Kg	250	0.25
2,4,5-Trichlorophenol		<62.5	mg/Kg	250	0.25
2-Chloronaphthalene		<62.5	mg/Kg	250	0.25
1-Chloronaphthalene		<62.5	mg/Kg	250	0.25
2-Nitroaniline		<62.5	mg/Kg	250	0.25
Dimethylphthalate		<62.5	mg/Kg	250	0.25
Acenaphthylene		<62.5	mg/Kg	250	0.25
2,6-Dinitrotoluene		<62.5	mg/Kg	250	0.25
3-Nitroaniline		<62.5	mg/Kg	250	0.25
Acenaphthene		<62.5	mg/Kg	250	0.25
2,4-Dinitrophenol		<62.5	mg/Kg	250	0.25
Dibenzofuran		<62.5	mg/Kg	250	0.25
Pentachlorobenzene		<62.5	mg/Kg	250	0.25
4-Nitrophenol		<62.5	mg/Kg	250	0.25
1-Naphthylamine		<62.5	mg/Kg	250	0.25
2,4-Dinitrotoluene		<62.5	mg/Kg	250	0.25
2-Naphthylamine		<62.5	mg/Kg	250	0.25
2,3,4,6-Tetrachlorophenol		<62.5	mg/Kg	250	0.25
Fluorene		<62.5	mg/Kg	250	0.25
Diethylphthalate		<62.5	mg/Kg	250	0.25
4-Chlorophenyl-phenylether		<62.5	mg/Kg	250	0.25
4-Nitroaniline		<62.5	mg/Kg	250	0.25
4,6-Dinitro-2-methylphenol		<62.5	mg/Kg	250	0.25
Diphenylamine		<62.5	mg/Kg	250	0.25
Diphenylhydrazine		<62.5	mg/Kg	250	0.25
4-Bromophenyl-phenylether		<62.5	mg/Kg	250	0.25
Phenacetin		<62.5	mg/Kg	250	0.25
Hexachlorobenzene		<62.5	mg/Kg	250	0.25
4-Aminobiphenyl		<62.5	mg/Kg	250	0.25
Pentachlorophenol		<62.5	mg/Kg	250	0.25
Pentachloronitrobenzene		<62.5	mg/Kg	250	0.25
Pronamide		<62.5	mg/Kg	250	0.25
Phenanthrene		77.91	mg/Kg	250	0.25
Anthracene		<62.5	mg/Kg	250	0.25
Di-n-butylphthalate		<62.5	mg/Kg	250	0.25
Fluoranthene		<62.5	mg/Kg	250	0.25
Benzidine		<62.5	mg/Kg	250	0.25
Pyrene		<62.5	mg/Kg	250	0.25
p-Dimethylaminoazobenzene		<62.5	mg/Kg	250	0.25
Butylbenzylphthalate		<62.5	mg/Kg	250	0.25
Benzo(a)anthracene		<62.5	mg/Kg	250	0.25
3,3-Dichlorobenzidine		<62.5	mg/Kg	250	0.25
Chrysene		<62.5	mg/Kg	250	0.25
Bis (2-ethylhexyl) phthalate		<62.5	mg/Kg	250	0.25
Di-n-octylphthalate		<62.5	mg/Kg	250	0.25
Benzo(b)fluoranthene		<62.5	mg/Kg	250	0.25
7,12-Dimethylbenz(a)anthracene		<62.5	mg/Kg	250	0.25
Benzo(k)fluoranthene		<62.5	mg/Kg	250	0.25
Benzo(a)pyrene		<62.5	mg/Kg	250	0.25

Continued ...

... *Continued* Sample: 170577 Analysis: 8270

Param	Flag	Result	Units	Dilution	RDL
3-Methylcholanthrene		<62.5	mg/Kg	250	0.25
Dibenzo(a,j)acridine		<62.5	mg/Kg	250	0.25
Indeno(1,2,3-cd)pyrene		<62.5	mg/Kg	250	0.25
Dibenzo(a,h)anthracene		<62.5	mg/Kg	250	0.25
Benzo(g,h,i)perylene		<62.5	mg/Kg	250	0.25
Test Comments		<62.5	mg/Kg	250	

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
2-Fluorophenol		26.94	mg/Kg	250	80	33	25 - 121
Phenol-d5		31.21	mg/Kg	250	80	39	24 - 113
Nitrobenzene-d5		54.83	mg/Kg	250	80	68	23 - 120
2-Fluorobiphenyl		59.63	mg/Kg	250	80	74	30 - 115
2,4,6-Tribromophenol		55.27	mg/Kg	250	80	69	19 - 122
Terphenyl-d14		73.25	mg/Kg	250	80	91	28 - 137

Sample: 170577 - 0105030850

Analysis:	Alkalinity	Analytical Method:	E 310.1	QC Batch:	QC11294	Date Analyzed:	5/17/01
Analyst:	RS	Preparation Method:	N/A	Prep Batch:	PB09663	Date Prepared:	5/17/01

Param	Flag	Result	Units	Dilution	RDL
Hydroxide Alkalinity		<1.0	mg/Kg as CaCo3	1	1
Carbonate Alkalinity		<1.0	mg/Kg as CaCo3	1	1
Bicarbonate Alkalinity		<1.0	mg/Kg as CaCo3	1	1
Total Alkalinity		<1.0	mg/Kg as CaCo3	1	1

Sample: 170577 - 0105030850

Analysis:	Conductivity	Analytical Method:	SM 2510B	QC Batch:	QC11190	Date Analyzed:	5/9/01
Analyst:	JS	Preparation Method:	N/A	Prep Batch:	PB09552	Date Prepared:	5/9/01

Param	Flag	Result	Units	Dilution	RDL
Specific Conductance		32600	μMHOS/cm	1	

Sample: 170577 - 0105030850

Analysis:	Hg, Total	Analytical Method:	S 7471A	QC Batch:	QC11034	Date Analyzed:	5/8/01
Analyst:	SSC	Preparation Method:	N/A	Prep Batch:	PB10767	Date Prepared:	4/7/01

Param	Flag	Result	Units	Dilution	RDL
Total Mercury		<0.19	mg/Kg	1	0.19

Sample: 170577 - 0105030850

Analysis:	Ion Chromatography (IC)	Analytical Method:	E 300.0	QC Batch:	QC11065	Date Analyzed:	5/9/01
Analyst:	JS	Preparation Method:	N/A	Prep Batch:	PB09495	Date Prepared:	5/9/01

Continued ...

... Continued Sample: 170577 Analysis: Ion Chromatography (IC)

Param	Flag	Result	Units	Dilution	RDL
CL		6930	mg/Kg	500	0.50
Fluoride		<10	mg/Kg	10	0.20
Nitrate-N		<10	mg/Kg	10	0.20
Sulfate		22700	mg/Kg	500	0.50

Sample: 170577 - 0105030850

Analysis: Salts Analytical Method: S 6010B QC Batch: QC12291 Date Analyzed: 5/14/01
Analyst: LEN Preparation Method: E 3005 A Prep Batch: PB10517 Date Prepared: 5/8/01

Param	Flag	Result	Units	Dilution	RDL
Dissolved Calcium		16980	mg/L	1	0.50
Dissolved Magnesium		2341	mg/L	1	0.50
Dissolved Potassium		682	mg/L	1	0.50
Dissolved Sodium		8249	mg/L	1	0.50

Sample: 170577 - 0105030850

Analysis: TDS Analytical Method: E 160.1 QC Batch: QC11260 Date Analyzed: 5/16/01
Analyst: JS Preparation Method: N/A Prep Batch: PB09621 Date Prepared: 5/15/01

Param	Flag	Result	Units	Dilution	RDL
Total Dissolved Solids		44300	mg/L	50	10

Sample: 170577 - 0105030850

Analysis: Total Metals Analytical Method: S 6010B QC Batch: QC11123 Date Analyzed: 5/12/01
Analyst: RR Preparation Method: E 3015 Prep Batch: PB09414 Date Prepared: 5/7/01

Param	Flag	Result	Units	Dilution	RDL
Total Arsenic		<5	mg/Kg	1	5
Total Barium		545	mg/Kg	1	5
Total Cadmium		3.27	mg/Kg	1	2
Total Chromium		<5	mg/Kg	1	5
Total Lead		75.7	mg/Kg	1	5
Total Selenium		<5	mg/Kg	1	5
Total Silver		<1	mg/Kg	1	1

Sample: 170577 - 0105030850

Analysis: pH Analytical Method: E 150.1 QC Batch: QC11250 Date Analyzed: 5/9/01
Analyst: RS Preparation Method: N/A Prep Batch: PB09628 Date Prepared: 5/9/01

Param	Flag	Result	Units	Dilution	RDL
pH	[3]	2.6	s.u.	1	1

[3]This sample was prepped at the same time as the other solid.

Sample: 170578 - 0105030900

Analysis:	Hg, Total	Analytical Method:	S 7471A	QC Batch:	QC11034	Date Analyzed:	5/8/01
Analyst:	SSC	Preparation Method:	N/A	Prep Batch:	PB10767	Date Prepared:	4/7/01

Param	Flag	Result	Units	Dilution	RDL
Total Mercury		<0.19	mg/Kg	1	0.19

Sample: 170578 - 0105030900

Analysis:	Total Metals	Analytical Method:	S 6010B	QC Batch:	QC11123	Date Analyzed:	5/12/01
Analyst:	RR	Preparation Method:	E 3015	Prep Batch:	PB09414	Date Prepared:	5/7/01

Param	Flag	Result	Units	Dilution	RDL
Total Arsenic		<5	mg/Kg	1	5
Total Barium		168	mg/Kg	1	5
Total Cadmium		2.92	mg/Kg	1	2
Total Chromium		24.6	mg/Kg	1	5
Total Lead		70.9	mg/Kg	1	5
Total Selenium		<5	mg/Kg	1	5
Total Silver		<1	mg/Kg	1	1

Sample: 170579 - 0105030905

Analysis:	Hg, Total	Analytical Method:	S 7471A	QC Batch:	QC11034	Date Analyzed:	5/8/01
Analyst:	SSC	Preparation Method:	N/A	Prep Batch:	PB10767	Date Prepared:	4/7/01

Param	Flag	Result	Units	Dilution	RDL
Total Mercury		<0.19	mg/Kg	1	0.19

Sample: 170579 - 0105030905

Analysis:	Total Metals	Analytical Method:	S 6010B	QC Batch:	QC11123	Date Analyzed:	5/12/01
Analyst:	RR	Preparation Method:	E 3015	Prep Batch:	PB09414	Date Prepared:	5/7/01

Param	Flag	Result	Units	Dilution	RDL
Total Arsenic		<5	mg/Kg	1	5
Total Barium		2250	mg/Kg	1	5
Total Cadmium		<2	mg/Kg	1	2
Total Chromium		275	mg/Kg	1	5
Total Lead		1080	mg/Kg	1	5
Total Selenium		<5	mg/Kg	1	5
Total Silver		<1	mg/Kg	1	1

Sample: 170580 - 0105030935

Analysis:	8260	Analytical Method:	S 8260B	QC Batch:	QC11115	Date Analyzed:	5/11/01
Analyst:	JG	Preparation Method:	E 5035	Prep Batch:	PB09527	Date Prepared:	5/11/01

Param	Flag	Result	Units	Dilution	RDL
Bromochloromethane		<500	µg/Kg	500	1
Dichlorodifluoromethane		<500	µg/Kg	500	1
Chloromethane (methyl chloride)		<500	µg/Kg	500	1

Continued ...

... *Continued* Sample: 170580 Analysis: 8260

Param	Flag	Result	Units	Dilution	RDL
Vinyl Chloride		<500	µg/Kg	500	1
Bromomethane (methyl bromide)		<500	µg/Kg	500	1
Chloroethane		<500	µg/Kg	500	1
Trichlorofluoromethane		<500	µg/Kg	500	1
Acetone	[4]	7645	µg/Kg	500	10
Iodomethane (methyl iodide)		<2500	µg/Kg	500	5
Carbon Disulfide		<500	µg/Kg	500	1
Acrylonitrile		<500	µg/Kg	500	1
2-Butanone (MEK)		<2500	µg/Kg	500	5
4-methyl-2-pentanone (MIBK)		<2500	µg/Kg	500	5
2-hexanone		<2500	µg/Kg	500	5
trans 1,4-Dichloro-2-butene		<5000	µg/Kg	500	10
1,1-Dichloroethene		<500	µg/Kg	500	1
Methylene chloride		<2500	µg/Kg	500	5
MTBE		<500	µg/Kg	500	1
trans-1,2-Dichloroethene		<500	µg/Kg	500	1
1,1-Dichloroethane		<500	µg/Kg	500	1
cis-1,2-Dichloroethene		<500	µg/Kg	500	1
2,2-Dichloropropane		<500	µg/Kg	500	1
1,2-Dichloroethane (EDC)		<500	µg/Kg	500	1
Chloroform		<500	µg/Kg	500	1
1,1,1-Trichloroethane		<500	µg/Kg	500	1
1,1-Dichloropropene		<500	µg/Kg	500	1
Benzene		<500	µg/Kg	500	1
Carbon Tetrachloride		<500	µg/Kg	500	1
1,2-Dichloropropane		<500	µg/Kg	500	1
Trichloroethene (TCE)		<500	µg/Kg	500	1
Dibromomethane (methylene bromide)		<500	µg/Kg	500	1
Bromodichloromethane		<500	µg/Kg	500	1
2-Chloroethyl vinyl ether		<2500	µg/Kg	500	5
cis-1,3-Dichloropropene		<500	µg/Kg	500	1
trans-1,3-Dichloropropene		<500	µg/Kg	500	1
Toluene		<500	µg/Kg	500	1
1,1,2-Trichloroethane		11475	µg/Kg	500	1
1,3-Dichloropropane		<500	µg/Kg	500	1
Dibromochloromethane		<500	µg/Kg	500	1
1,2-Dibromoethane (EDB)		<500	µg/Kg	500	1
Tetrachloroethene (PCE)		<500	µg/Kg	500	1
Chlorobenzene		<500	µg/Kg	500	1
1,1,1,2-Tetrachloroethane		<500	µg/Kg	500	1
Ethylbenzene		2370	µg/Kg	500	1
m,p-Xylene		7620	µg/Kg	500	1
Bromoform		<500	µg/Kg	500	1
Styrene		<500	µg/Kg	500	1
o-Xylene		3080	µg/Kg	500	1
1,1,2,2-Tetrachloroethane		<500	µg/Kg	500	1
2-Chlorotoluene		<500	µg/Kg	500	1
1,2,3-Trichloropropane		<500	µg/Kg	500	1
Isopropylbenzene		<500	µg/Kg	500	1
Bromobenzene		<500	µg/Kg	500	1
n-Propylbenzene		915	µg/Kg	500	1
1,3,5-Trimethylbenzene		1865	µg/Kg	500	1
tert-Butylbenzene		<500	µg/Kg	500	1

Continued ...

[4]estimated concentration, RSD value above 15% on initial calibration

... *Continued* Sample: 170580 Analysis: 8260

Param	Flag	Result	Units	Dilution	RDL
1,2,4-Trimethylbenzene		6465	µg/Kg	500	1
1,4-Dichlorobenzene (para)		915	µg/Kg	500	1
sec-Butylbenzene		<500	µg/Kg	500	1
1,3-Dichlorobenzene		<500	µg/Kg	500	1
p-Isopropyltoluene		<500	µg/Kg	500	1
4-Chlorotoluene		<500	µg/Kg	500	1
1,2-Dichlorobenzene (ortho)		<500	µg/Kg	500	1
n-Butylbenzene		<500	µg/Kg	500	1
1,2-Dibromo-3-chloropropane		<2500	µg/Kg	500	5
1,2,3-Trichlorobenzene		<2500	µg/Kg	500	5
1,2,4-Trichlorobenzene		<2500	µg/Kg	500	5
Naphthalene		4165	µg/Kg	500	5
Hexachlorobutadiene		<2500	µg/Kg	500	5

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Dibromofluoromethane		47.99	µg/Kg	1	50	95	87 - 112
Toluene-d8		51.40	µg/Kg	1	50	102	91 - 111
4-Bromofluorobenzene		48.60	µg/Kg	1	50	97	79 - 104

Sample: 170580 - 0105030935

Analysis:	8270	Analytical Method:	S 8270C	QC Batch:	QC11161	Date Analyzed:	5/14/01
Analyst:	RC	Preparation Method:	E 3510C	Prep Batch:	PB09570	Date Prepared:	5/9/01

Param	Flag	Result	Units	Dilution	RDL
Pyridine		<250	mg/Kg	1	0.25
n-Nitrosodimethylamine		<250	mg/Kg	1	0.25
2-Picoline		<250	mg/Kg	1	0.25
Methyl methanesulfonate		<250	mg/Kg	1	0.25
Ethyl methanesulfonate		<250	mg/Kg	1	0.25
Phenol		<250	mg/Kg	1	0.25
Aniline		<250	mg/Kg	1	0.25
bis (2-chloroethyl) ether		<250	mg/Kg	1	0.25
2-Chlorophenol		<250	mg/Kg	1	0.25
1,3-Dichlorobenzene		<250	mg/Kg	1	0.25
1,4-Dichlorobenzene		<250	mg/Kg	1	0.25
Benzyl alcohol		<250	mg/Kg	1	0.25
1,2-Dichlorobenzene		<250	mg/Kg	1	0.25
2-Methylphenol		<250	mg/Kg	1	0.25
bis (2-chloroisopropyl) ether		<250	mg/Kg	1	0.25
4-Methylphenol/3-Methylphenol		<250	mg/Kg	1	0.25
Acetophenone		<250	mg/Kg	1	0.25
n-Nitrosodi-n-propylamine		<250	mg/Kg	1	0.25
Hexachloroethane		<250	mg/Kg	1	0.25
Nitrobenzene		<250	mg/Kg	1	0.25
n-Nitrosopiperidine		<250	mg/Kg	1	0.25
Isophorone		<250	mg/Kg	1	0.25
2-Nitrophenol		<250	mg/Kg	1	0.25
2,4-Dimethylphenol		<250	mg/Kg	1	0.25
bis (2-chloroethoxy) methane		<250	mg/Kg	1	0.25
Benzoic acid		<250	mg/Kg	1	0.25

Continued ...

... *Continued* Sample: 170580 Analysis: 8270

Param	Flag	Result	Units	Dilution	RDL
2,4-Dichlorophenol		<250	mg/Kg	1	0.25
1,2,4-Trichlorobenzene		<250	mg/Kg	1	0.25
a,a-Dimethylphenethylamine		<250	mg/Kg	1	0.25
Naphthalene		<250	mg/Kg	1	0.25
4-Chloroaniline		<250	mg/Kg	1	0.25
2,6-Dichlorophenol		<250	mg/Kg	1	0.25
Hexachlorobutadiene		<250	mg/Kg	1	0.25
n-Nitroso-di-n-butylamine		<250	mg/Kg	1	0.25
4-Chloro-3-methylphenol		<250	mg/Kg	1	0.25
1-Methylnaphthalene		<250	mg/Kg	1	0.25
2-Methylnaphthalene		<250	mg/Kg	1	0.25
1,2,4,5-Tetrachlorobenzene		<250	mg/Kg	1	0.25
Hexachlorocyclopentadiene		<250	mg/Kg	1	0.25
2,4,6-Trichlorophenol		<250	mg/Kg	1	0.25
2,4,5-Trichlorophenol		<250	mg/Kg	1	0.25
2-Chloronaphthalene		<250	mg/Kg	1	0.25
1-Chloronaphthalene		<250	mg/Kg	1	0.25
2-Nitroaniline		<250	mg/Kg	1	0.25
Dimethylphthalate		<250	mg/Kg	1	0.25
Acenaphthylene		<250	mg/Kg	1	0.25
2,6-Dinitrotoluene		<250	mg/Kg	1	0.25
3-Nitroaniline		<250	mg/Kg	1	0.25
Acenaphthene		<250	mg/Kg	1	0.25
2,4-Dinitrophenol		<250	mg/Kg	1	0.25
Dibenzofuran		<250	mg/Kg	1	0.25
Pentachlorobenzene		<250	mg/Kg	1	0.25
4-Nitrophenol		<250	mg/Kg	1	0.25
1-Naphthylamine		<250	mg/Kg	1	0.25
2,4-Dinitrotoluene		<250	mg/Kg	1	0.25
2-Naphthylamine		<250	mg/Kg	1	0.25
2,3,4,6-Tetrachlorophenol		<250	mg/Kg	1	0.25
Fluorene		<250	mg/Kg	1	0.25
Diethylphthalate		<250	mg/Kg	1	0.25
4-Chlorophenyl-phenylether		<250	mg/Kg	1	0.25
4-Nitroaniline		<250	mg/Kg	1	0.25
4,6-Dinitro-2-methylphenol		<250	mg/Kg	1	0.25
Diphenylamine		<250	mg/Kg	1	0.25
Diphenylhydrazine		<250	mg/Kg	1	0.25
4-Bromophenyl-phenylether		<250	mg/Kg	1	0.25
Phenacetin		<250	mg/Kg	1	0.25
Hexachlorobenzene		<250	mg/Kg	1	0.25
4-Aminobiphenyl		<250	mg/Kg	1	0.25
Pentachlorophenol		<250	mg/Kg	1	0.25
Pentachloronitrobenzene		<250	mg/Kg	1	0.25
Pronamide		<250	mg/Kg	1	0.25
Phenanthrene		<250	mg/Kg	1	0.25
Anthracene		<250	mg/Kg	1	0.25
Di-n-butylphthalate		<250	mg/Kg	1	0.25
Fluoranthene		<250	mg/Kg	1	0.25
Benzidine		<250	mg/Kg	1	0.25
Pyrene		<250	mg/Kg	1	0.25
p-Dimethylaminoazobenzene		<250	mg/Kg	1	0.25
Butylbenzylphthalate		<250	mg/Kg	1	0.25
Benzo(a)anthracene		<250	mg/Kg	1	0.25

Continued ...

... *Continued* Sample: 170580 Analysis: 8270

Param	Flag	Result	Units	Dilution	RDL
3,3-Dichlorobenzidine		<250	mg/Kg	1	0.25
Chrysene		<250	mg/Kg	1	0.25
Bis (2-ethylhexyl) phthalate		<250	mg/Kg	1	0.25
Di-n-octylphthalate		<250	mg/Kg	1	0.25
Benzo(b)fluoranthene		<250	mg/Kg	1	0.25
7,12-Dimethylbenz(a)anthracene		<250	mg/Kg	1	0.25
Benzo(k)fluoranthene		<250	mg/Kg	1	0.25
Benzo(a)pyrene		<250	mg/Kg	1	0.25
3-Methylcholanthrene		<250	mg/Kg	1	0.25
Dibenzo(a,j)acridine		<250	mg/Kg	1	0.25
Indeno(1,2,3-cd)pyrene		<250	mg/Kg	1	0.25
Dibenzo(a,h)anthracene		<250	mg/Kg	1	0.25
Benzo(g,h,i)perylene		<250	mg/Kg	1	0.25

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
2-Fluorophenol		65.91	mg/Kg	1	80	82	25 - 121
Phenol-d5		67.65	mg/Kg	1	80	84	24 - 113
Nitrobenzene-d5		66.05	mg/Kg	1	80	82	23 - 120
2-Fluorobiphenyl		70.62	mg/Kg	1	80	88	30 - 115
2,4,6-Tribromophenol		63.23	mg/Kg	1	80	79	19 - 122
Terphenyl-d14		72.82	mg/Kg	1	80	91	28 - 137

Sample: 170580 - 0105030935

Analysis:	Corrosivity	Analytical Method:	S 1110	QC Batch:	QC11048	Date Analyzed:	5/9/01
Analyst:	TML	Preparation Method:	N/A	Prep Batch:	PB09481	Date Prepared:	5/9/01

Param	Flag	Result	Units	Dilution	RDL
Corrosivity		non	mm/yr	1	
pH		5.76	s.u.	1	

Sample: 170580 - 0105030935

Analysis:	Hg, Total	Analytical Method:	S 7471A	QC Batch:	QC11035	Date Analyzed:	4/8/01
Analyst:	SSC	Preparation Method:	N/A	Prep Batch:	PB10766	Date Prepared:	4/7/01

Param	Flag	Result	Units	Dilution	RDL
Total Mercury		<0.19	mg/Kg	1	0.19

Sample: 170580 - 0105030935

Analysis:	Ignitability	Analytical Method:	SW-846 Ch. 7.1	QC Batch:	QC11049	Date Analyzed:	5/9/01
Analyst:	TML	Preparation Method:	N/A	Prep Batch:	PB09481	Date Prepared:	5/9/01

Param	Flag	Result	Units	Dilution	RDL
Ignitability		non-ignitable		1	

Sample: 170580 - 0105030935

Analysis: Reactivity Analytical Method: ASTM D 5049-90/4978-95 QC Batch: QC11047 Date Analyzed: 5/9/01
Analyst: TML Preparation Method: N/A Prep Batch: PB09481 Date Prepared: 5/9/01

Param	Flag	Result	Units	Dilution	RDL
Reactivity		Non-reactive		1	
Hydrogen Sulfide		<10	mg/Kg	1	
Hydrogen Cyanide		<2.5	mg/Kg	1	

Sample: 170580 - 0105030935

Analysis: TCLP Hg Analytical Method: S 7470A QC Batch: QC11196 Date Analyzed: 5/15/01
Analyst: SSC Preparation Method: E 1311 Prep Batch: PB09548 Date Prepared: 5/8/01

Param	Flag	Result	Units	Dilution	RDL
TCLP Mercury		<0.010	mg/L	1	0.01

Sample: 170580 - 0105030935

Analysis: TCLP Metals Analytical Method: S 6010B QC Batch: QC11120 Date Analyzed: 5/12/01
Analyst: RR Preparation Method: 1311 Prep Batch: PB09462 Date Prepared: 5/9/01

Param	Flag	Result	Units	Dilution	RDL
TCLP Arsenic		<1	mg/L	10	1
TCLP Barium		<1	mg/L	10	1
TCLP Cadmium		<0.2	mg/L	10	0.20
TCLP Chromium		<1	mg/L	10	1
TCLP Lead		<1	mg/L	10	1
TCLP Selenium		<1	mg/L	10	1
TCLP Silver		<0.5	mg/L	10	0.50

Sample: 170580 - 0105030935

Analysis: TCLP Semivolatiles Analytical Method: E 8270C QC Batch: QC12510 Date Analyzed: 5/21/01
Analyst: RC Preparation Method: 1311 Prep Batch: PB09716 Date Prepared: 5/14/01

Param	Flag	Result	Units	Dilution	RDL
Pyridine		<0.05	mg/L	1	0.05
1,4-Dichlorobenzene		<0.05	mg/L	1	0.05
o-Cresol		<0.05	mg/L	1	0.05
m,p-Cresol		<0.05	mg/L	1	0.05
Hexachloroethane		<0.05	mg/L	1	0.05
Nitrobenzene		<0.05	mg/L	1	0.05
Hexachlorobutadiene		<0.05	mg/L	1	0.05
2,4,6-Trichlorophenol		<0.05	mg/L	1	0.05
2,4,5-Trichlorophenol		<0.05	mg/L	1	0.05
2,4-Dinitrotoluene		<0.05	mg/L	1	0.05
2,4-D		<0.05	mg/L	1	0.05
Hexachlorobenzene		<0.05	mg/L	1	0.05
2,4,5-TP		<0.05	mg/L	1	0.05
Pentachlorophenol		<0.05	mg/L	1	0.05

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
2-Fluorophenol		17.58	mg/Kg	1	80	21	21 - 100
Phenol-d5		11.58	mg/Kg	1	80	14	10 - 94
Nitrobenzene-d5		51.99	mg/Kg	1	80	64	35 - 114
2-Fluorobiphenyl		52.29	mg/Kg	1	80	65	43 - 116
2,4,6-Tribromophenol		51.6	mg/Kg	1	80	64	10 - 123
Terphenyl-d14		52.66	mg/Kg	1	80	65	33 - 141

Sample: 170580 - 0105030935

Analysis: TCLP Volatiles | Analytical Method: S 8260B | QC Batch: QC11207 | Date Analyzed: 5/10/01
Analyst: JG | Preparation Method: 1311 | Prep Batch: PB09604 | Date Prepared: 5/8/01

Param	Flag	Result	Units	Dilution	RDL
Vinyl Chloride		<0.05	mg/L	50	0.001
1,1-Dichloroethene		<0.05	mg/L	50	0.001
Methyl ethyl ketone		<0.50	mg/L	50	0.01
Chloroform		<0.05	mg/L	50	0.001
1,2-Dichloroethane (EDC)		<0.05	mg/L	50	0.001
Benzene		<0.05	mg/L	50	0.001
Carbon Tetrachloride		<0.05	mg/L	50	0.001
Trichloroethene (TCE)		<0.05	mg/L	50	0.001
Tetrachloroethene (PCE)		<0.05	mg/L	50	0.001
Chlorobenzene		<0.05	mg/L	50	0.001
1,4-Dichlorobenzene		<0.05	mg/L	50	0.001

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Dibromofluoromethane		44.5	mg/Kg	1	50	89	85 - 115
Toluene-d8		47	mg/Kg	1	50	94	86 - 114
4-Bromofluorobenzene		47	mg/Kg	1	50	94	79 - 108

Sample: 170580 - 0105030935

Analysis: Total Metals | Analytical Method: S 6010B | QC Batch: QC11118 | Date Analyzed: 5/12/01
Analyst: RR | Preparation Method: E 3015 | Prep Batch: PB09414 | Date Prepared: 5/7/01

Param	Flag	Result	Units	Dilution	RDL
Total Arsenic		<10	mg/Kg	1	5
Total Barium		74.3	mg/Kg	1	5
Total Cadmium		<5.0	mg/Kg	1	2
Total Chromium		5.34	mg/Kg	1	5
Total Lead		22.3	mg/Kg	1	5
Total Selenium		<10	mg/Kg	1	5
Total Silver		<2.5	mg/Kg	1	1

Quality Control Report
Method Blank

Method Blank

QCBatch: QC11034

Param	Flag	Results	Units	Reporting Limit
Total Mercury		<0.19	mg/Kg	0.19

Method Blank

QCBatch: QC11065

Param	Flag	Results	Units	Reporting Limit
CL		2.90	mg/Kg	0.50
Fluoride		<1.0	mg/Kg	0.20
Nitrate-N		<1.0	mg/Kg	0.20
Sulfate		8.14	mg/Kg	0.50

Method Blank

QCBatch: QC11114

Param	Flag	Results	Units	Reporting Limit
Bromochloromethane		<25.0	µg/Kg	1
Dichlorodifluoromethane		<25.0	µg/Kg	1
Chloromethane (methyl chloride)		<25.0	µg/Kg	1
Vinyl Chloride		<25.0	µg/Kg	1
Bromomethane (methyl bromide)		<25.0	µg/Kg	1
Chloroethane		<25.0	µg/Kg	1
Trichlorofluoromethane		<25.0	µg/Kg	1
Acetone		<250	µg/Kg	10
Iodomethane (methyl iodide)		<125	µg/Kg	5
Carbon Disulfide		<25.0	µg/Kg	1
Acrylonitrile		<25.0	µg/Kg	1
2-Butanone (MEK)		<125	µg/Kg	5
4-methyl-2-pentanone (MIBK)		<125	µg/Kg	5
2-hexanone		<125	µg/Kg	5
trans 1,4-Dichloro-2-butene		<250	µg/Kg	10
1,1-Dichloroethene		<25.0	µg/Kg	1
Methylene chloride		<125	µg/Kg	5
MTBE		<25.0	µg/Kg	1
trans-1,2-Dichloroethene		<25.0	µg/Kg	1
1,1-Dichloroethane		<25.0	µg/Kg	1
cis-1,2-Dichloroethene		<25.0	µg/Kg	1
2,2-Dichloropropane		<25.0	µg/Kg	1
1,2-Dichloroethane (EDC)		<25.0	µg/Kg	1
Chloroform		<25.0	µg/Kg	1
1,1,1-Trichloroethane		<25.0	µg/Kg	1
1,1-Dichloropropene		<25.0	µg/Kg	1
Benzene		<25.0	µg/Kg	1
Carbon Tetrachloride		<25.0	µg/Kg	1

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Param	Flag	Results	Units	Reporting Limit
1,2-Dichloropropane		<25.0	µg/Kg	1
Trichloroethene (TCE)		<25.0	µg/Kg	1
Dibromomethane (methylene bromide)		<25.0	µg/Kg	1
Bromodichloromethane		<25.0	µg/Kg	1
2-Chloroethyl vinyl ether		<125	µg/Kg	5
cis-1,3-Dichloropropene		<25.0	µg/Kg	1
trans-1,3-Dichloropropene		<25.0	µg/Kg	1
Toluene		<25.0	µg/Kg	1
1,1,2-Trichloroethane		<25.0	µg/Kg	1
1,3-Dichloropropane		<25.0	µg/Kg	1
Dibromochloromethane		<25.0	µg/Kg	1
1,2-Dibromoethane (EDB)		<25.0	µg/Kg	1
Tetrachloroethene (PCE)		<25.0	µg/Kg	1
Chlorobenzene		<25.0	µg/Kg	1
1,1,1,2-Tetrachloroethane		<25.0	µg/Kg	1
Ethylbenzene		<25.0	µg/Kg	1
m,p-Xylene		<25.0	µg/Kg	1
Bromoform		<25.0	µg/Kg	1
Styrene		<25.0	µg/Kg	1
o-Xylene		<25.0	µg/Kg	1
1,1,2,2-Tetrachloroethane		<25.0	µg/Kg	1
2-Chlorotoluene		<25.0	µg/Kg	1
1,2,3-Trichloropropane		<25.0	µg/Kg	1
Isopropylbenzene		<25.0	µg/Kg	1
Bromobenzene		<25.0	µg/Kg	1
n-Propylbenzene		<25.0	µg/Kg	1
1,3,5-Trimethylbenzene		<25.0	µg/Kg	1
tert-Butylbenzene		<25.0	µg/Kg	1
1,2,4-Trimethylbenzene		<25.0	µg/Kg	1
1,4-Dichlorobenzene (para)		<25.0	µg/Kg	1
sec-Butylbenzene		<25.0	µg/Kg	1
1,3-Dichlorobenzene		<25.0	µg/Kg	1
p-Isopropyltoluene		<25.0	µg/Kg	1
4-Chlorotoluene		<25.0	µg/Kg	1
1,2-Dichlorobenzene (ortho)		<25.0	µg/Kg	1
n-Butylbenzene		<25.0	µg/Kg	1
1,2-Dibromo-3-chloropropane		<125	µg/Kg	5
1,2,3-Trichlorobenzene		<125	µg/Kg	5
1,2,4-Trichlorobenzene		<125	µg/Kg	5
Naphthalene		<125	µg/Kg	5
Hexachlorobutadiene		<125	µg/Kg	5

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Dibromofluoromethane		48.83	µg/Kg	1	50	97	87 - 121
Toluene-d8		50.75	µg/Kg	1	50	101	91 - 114
4-Bromofluorobenzene		47.14	µg/Kg	1	50	94	86 - 114

Method Blank QCBatch: QC11115

Param	Flag	Results	Units	Reporting Limit
Bromochloromethane		<25.0	µg/Kg	1
Dichlorodifluoromethane		<25.0	µg/Kg	1
Chloromethane (methyl chloride)		<25.0	µg/Kg	1
Vinyl Chloride		<25.0	µg/Kg	1
Bromomethane (methyl bromide)		<25.0	µg/Kg	1
Chloroethane		<25.0	µg/Kg	1
Trichlorofluoromethane		<25.0	µg/Kg	1
Acetone		<250	µg/Kg	10
Iodomethane (methyl iodide)		<125	µg/Kg	5
Carbon Disulfide		<25.0	µg/Kg	1
Acrylonitrile		<25.0	µg/Kg	1
2-Butanone (MEK)		<125	µg/Kg	5
4-methyl-2-pentanone (MIBK)		<125	µg/Kg	5
2-hexanone		<125	µg/Kg	5
trans 1,4-Dichloro-2-butene		<250	µg/Kg	10
1,1-Dichloroethene		<25.0	µg/Kg	1
Methylene chloride		<125	µg/Kg	5
MTBE		<25.0	µg/Kg	1
trans-1,2-Dichloroethene		<25.0	µg/Kg	1
1,1-Dichloroethane		<25.0	µg/Kg	1
cis-1,2-Dichloroethene		<25.0	µg/Kg	1
2,2-Dichloropropane		<25.0	µg/Kg	1
1,2-Dichloroethane (EDC)		<25.0	µg/Kg	1
Chloroform		<25.0	µg/Kg	1
1,1,1-Trichloroethane		<25.0	µg/Kg	1
1,1-Dichloropropene		<25.0	µg/Kg	1
Benzene		<25.0	µg/Kg	1
Carbon Tetrachloride		<25.0	µg/Kg	1
1,2-Dichloropropane		<25.0	µg/Kg	1
Trichloroethene (TCE)		<25.0	µg/Kg	1
Dibromomethane (methylene bromide)		<25.0	µg/Kg	1
Bromodichloromethane		<25.0	µg/Kg	1
2-Chloroethyl vinyl ether		<125	µg/Kg	5
cis-1,3-Dichloropropene		<25.0	µg/Kg	1
trans-1,3-Dichloropropene		<25.0	µg/Kg	1
Toluene		<25.0	µg/Kg	1
1,1,2-Trichloroethane		<25.0	µg/Kg	1
1,3-Dichloropropane		<25.0	µg/Kg	1
Dibromochloromethane		<25.0	µg/Kg	1
1,2-Dibromoethane (EDB)		<25.0	µg/Kg	1
Tetrachloroethene (PCE)		<25.0	µg/Kg	1
Chlorobenzene		<25.0	µg/Kg	1
1,1,1,2-Tetrachloroethane		<25.0	µg/Kg	1
Ethylbenzene		<25.0	µg/Kg	1
m,p-Xylene		<25.0	µg/Kg	1
Bromoform		<25.0	µg/Kg	1
Styrene		<25.0	µg/Kg	1
o-Xylene		<25.0	µg/Kg	1
1,1,2,2-Tetrachloroethane		<25.0	µg/Kg	1
2-Chlorotoluene		<25.0	µg/Kg	1
1,2,3-Trichloropropane		<25.0	µg/Kg	1
Isopropylbenzene		<25.0	µg/Kg	1
Bromobenzene		<25.0	µg/Kg	1
n-Propylbenzene		<25.0	µg/Kg	1

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Param	Flag	Results	Units	Reporting Limit
1,3,5-Trimethylbenzene		<25.0	µg/Kg	1
tert-Butylbenzene		<25.0	µg/Kg	1
1,2,4-Trimethylbenzene		<25.0	µg/Kg	1
1,4-Dichlorobenzene (para)		<25.0	µg/Kg	1
sec-Butylbenzene		<25.0	µg/Kg	1
1,3-Dichlorobenzene		<25.0	µg/Kg	1
p-Isopropyltoluene		<25.0	µg/Kg	1
4-Chlorotoluene		<25.0	µg/Kg	1
1,2-Dichlorobenzene (ortho)		<25.0	µg/Kg	1
n-Butylbenzene		<25.0	µg/Kg	1
1,2-Dibromo-3-chloropropane		<125	µg/Kg	5
1,2,3-Trichlorobenzene		<125	µg/Kg	5
1,2,4-Trichlorobenzene		<125	µg/Kg	5
Naphthalene		<125	µg/Kg	5
Hexachlorobutadiene		<125	µg/Kg	5

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Dibromofluoromethane		48.83	µg/Kg	1	50	97	87 - 112
Toluene-d8		50.75	µg/Kg	1	50	101	91 - 111
4-Bromofluorobenzene		47.14	µg/Kg	1	50	94	79 - 104

Method Blank

QCBatch: QC11118

Param	Flag	Results	Units	Reporting Limit
Total Arsenic		<10	mg/Kg	5
Total Barium		<20	mg/Kg	5
Total Cadmium		<5.0	mg/Kg	2
Total Chromium		<2.0	mg/Kg	5
Total Lead		<10	mg/Kg	5
Total Selenium		<10	mg/Kg	5
Total Silver		<2.5	mg/Kg	1

Method Blank

QCBatch: QC11120

Param	Flag	Results	Units	Reporting Limit
TCLP Arsenic		<1	mg/L	1
TCLP Barium		<1	mg/L	1
TCLP Cadmium		<0.2	mg/L	0.20
TCLP Chromium		<1	mg/L	1
TCLP Lead		<1	mg/L	1
TCLP Selenium		<1	mg/L	1
TCLP Silver		<0.5	mg/L	0.50

Method Blank

QCBatch: QC11134

Param	Flag	Results	Units	Reporting Limit
Benzene		<0.013	mg/Kg	0.001
Toluene		<0.013	mg/Kg	0.001
Ethylbenzene		<0.013	mg/Kg	0.001
M,P,O-Xylene		<0.013	mg/Kg	0.001
Total BTEX		<0.013	mg/Kg	0.001

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
TFT		1.27	mg/Kg	13	0.10	97	72 - 128
4-BFB		1.11	mg/Kg	13	0.10	85	72 - 128

Method Blank

QCBatch: QC11161

Param	Flag	Results	Units	Reporting Limit
Pyridine		<0.005	mg/Kg	0.25
n-Nitrosodimethylamine		<0.005	mg/Kg	0.25
2-Picoline		<0.005	mg/Kg	0.25
Methyl methanesulfonate		<0.005	mg/Kg	0.25
Ethyl methanesulfonate		<0.005	mg/Kg	0.25
Phenol		<0.005	mg/Kg	0.25
Aniline		<0.005	mg/Kg	0.25
bis (2-chloroethyl) ether		<0.005	mg/Kg	0.25
2-Chlorophenol		<0.005	mg/Kg	0.25
1,3-Dichlorobenzene		<0.005	mg/Kg	0.25
1,4-Dichlorobenzene		<0.005	mg/Kg	0.25
Benzyl alcohol		<0.005	mg/Kg	0.25
1,2-Dichlorobenzene		<0.005	mg/Kg	0.25
2-Methylphenol		<0.005	mg/Kg	0.25
bis (2-chloroisopropyl) ether		<0.005	mg/Kg	0.25
4-Methylphenol/3-Methylphenol		<0.005	mg/Kg	0.25
Acetophenone		<0.005	mg/Kg	0.25
n-Nitrosodi-n-propylamine		<0.005	mg/Kg	0.25
Hexachloroethane		<0.005	mg/Kg	0.25
Nitrobenzene		<0.005	mg/Kg	0.25
n-Nitrosopiperidine		<0.005	mg/Kg	0.25
Isophorone		<0.005	mg/Kg	0.25
2-Nitrophenol		<0.005	mg/Kg	0.25
2,4-Dimethylphenol		<0.005	mg/Kg	0.25
bis (2-chloroethoxy) methane		<0.005	mg/Kg	0.25
Benzoic acid		<0.005	mg/Kg	0.25
2,4-Dichlorophenol		<0.005	mg/Kg	0.25
1,2,4-Trichlorobenzene		<0.005	mg/Kg	0.25
a,a-Dimethylphenethylamine		<0.005	mg/Kg	0.25
Naphthalene		<0.005	mg/Kg	0.25
4-Chloroaniline		<0.005	mg/Kg	0.25
2,6-Dichlorophenol		<0.005	mg/Kg	0.25
Hexachlorobutadiene		<0.005	mg/Kg	0.25
n-Nitroso-di-n-butylamine		<0.005	mg/Kg	0.25
4-Chloro-3-methylphenol		<0.005	mg/Kg	0.25
1-Methylnaphthalene		<0.005	mg/Kg	0.25

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Param	Flag	Results	Units	Reporting Limit
2-Methylnaphthalene		<0.005	mg/Kg	0.25
1,2,4,5-Tetrachlorobenzene		<0.005	mg/Kg	0.25
Hexachlorocyclopentadiene		<0.005	mg/Kg	0.25
2,4,6-Trichlorophenol		<0.005	mg/Kg	0.25
2,4,5-Trichlorophenol		<0.005	mg/Kg	0.25
2-Chloronaphthalene		<0.005	mg/Kg	0.25
1-Chloronaphthalene		<0.005	mg/Kg	0.25
2-Nitroaniline		<0.005	mg/Kg	0.25
Dimethylphthalate		<0.005	mg/Kg	0.25
Acenaphthylene		<0.005	mg/Kg	0.25
2,6-Dinitrotoluene		<0.005	mg/Kg	0.25
3-Nitroaniline		<0.005	mg/Kg	0.25
Acenaphthene		<0.005	mg/Kg	0.25
2,4-Dinitrophenol		<0.005	mg/Kg	0.25
Dibenzofuran		<0.005	mg/Kg	0.25
Pentachlorobenzene		<0.005	mg/Kg	0.25
4-Nitrophenol		<0.005	mg/Kg	0.25
1-Naphthylamine		<0.005	mg/Kg	0.25
2,4-Dinitrotoluene		<0.005	mg/Kg	0.25
2-Naphthylamine		<0.005	mg/Kg	0.25
2,3,4,6-Tetrachlorophenol		<0.005	mg/Kg	0.25
Fluorene		<0.005	mg/Kg	0.25
Diethylphthalate		<0.005	mg/Kg	0.25
4-Chlorophenyl-phenylether		<0.005	mg/Kg	0.25
4-Nitroaniline		<0.005	mg/Kg	0.25
4,6-Dinitro-2-methylphenol		<0.005	mg/Kg	0.25
Diphenylamine		<0.005	mg/Kg	0.25
Diphenylhydrazine		<0.005	mg/Kg	0.25
4-Bromophenyl-phenylether		<0.005	mg/Kg	0.25
Phenacetin		<0.005	mg/Kg	0.25
Hexachlorobenzene		<0.005	mg/Kg	0.25
4-Aminobiphenyl		<0.005	mg/Kg	0.25
Pentachlorophenol		<0.005	mg/Kg	0.25
Pentachloronitrobenzene		<0.005	mg/Kg	0.25
Pronamide		<0.005	mg/Kg	0.25
Phenanthrene		<0.005	mg/Kg	0.25
Anthracene		<0.005	mg/Kg	0.25
Di-n-butylphthalate		<0.005	mg/Kg	0.25
Fluoranthene		<0.005	mg/Kg	0.25
Benzidine		<0.005	mg/Kg	0.25
Pyrene		<0.005	mg/Kg	0.25
p-Dimethylaminoazobenzene		<0.005	mg/Kg	0.25
Butylbenzylphthalate		<0.005	mg/Kg	0.25
Benzo(a)anthracene		<0.005	mg/Kg	0.25
3,3-Dichlorobenzidine		<0.005	mg/Kg	0.25
Chrysene		<0.005	mg/Kg	0.25
Bis (2-ethylhexyl) phthalate		<0.005	mg/Kg	0.25
Di-n-octylphthalate		<0.005	mg/Kg	0.25
Benzo(b)fluoranthene		<0.005	mg/Kg	0.25
7,12-Dimethylbenz(a)anthracene		<0.005	mg/Kg	0.25
Benzo(k)fluoranthene		<0.005	mg/Kg	0.25
Benzo(a)pyrene		<0.005	mg/Kg	0.25
3-Methylcholanthrene		<0.005	mg/Kg	0.25

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Param	Flag	Results	Units	Reporting Limit
Dibenzo(a,j)acridine		<0.005	mg/Kg	0.25
Indeno(1,2,3-cd)pyrene		<0.005	mg/Kg	0.25
Dibenzo(a,h)anthracene		<0.005	mg/Kg	0.25
Benzo(g,h,i)perylene		<0.005	mg/Kg	0.25

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
2-Fluorophenol		74.29	mg/Kg	1	80	92	25 - 121
Phenol-d5		71.09	mg/Kg	1	80	88	24 - 113
Nitrobenzene-d5		71.53	mg/Kg	1	80	89	23 - 120
2-Fluorobiphenyl		79.01	mg/Kg	1	80	98	30 - 115
2,4,6-Tribromophenol		57.77	mg/Kg	1	80	72	19 - 122
Terphenyl-d14		73.85	mg/Kg	1	80	92	28 - 137

Method Blank

QCBatch: QC11190

Param	Flag	Results	Units	Reporting Limit
Specific Conductance		6.77	μMHOS/cm	

Method Blank

QCBatch: QC11196

Param	Flag	Results	Units	Reporting Limit
TCLP Mercury		<0.010	mg/L	0.01

Method Blank

QCBatch: QC11207

Param	Flag	Results	Units	Reporting Limit
Vinyl Chloride		<0.05	mg/L	0.001
1,1-Dichloroethene		<0.05	mg/L	0.001
Methyl ethyl ketone		<0.50	mg/L	0.01
Chloroform		<0.05	mg/L	0.001
1,2-Dichloroethane (EDC)		<0.05	mg/L	0.001
Benzene		<0.05	mg/L	0.001
Carbon Tetrachloride		<0.05	mg/L	0.001
Trichloroethene (TCE)		<0.05	mg/L	0.001
Tetrachloroethene (PCE)		<0.05	mg/L	0.001
Chlorobenzene		<0.05	mg/L	0.001
1,4-Dichlorobenzene		<0.05	mg/L	0.001

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Dibromofluoromethane		43	mg/L	1	50	86	85 - 115

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Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Toluene-d8		45.5	mg/L	1	50	91	86 - 114
4-Bromofluorobenzene		47.5	mg/L	1	50	95	79 - 108

Method Blank

QCBatch: QC11294

Param	Flag	Results	Units	Reporting Limit
Hydroxide Alkalinity		<1.0	mg/Kg as CaCo3	1
Carbonate Alkalinity		<1.0	mg/Kg as CaCo3	1
Bicarbonate Alkalinity		<4.0	mg/Kg as CaCo3	1
Total Alkalinity		<4.0	mg/Kg as CaCo3	1

Method Blank

QCBatch: QC12510

Param	Flag	Results	Units	Reporting Limit
Pyridine		<0.05	mg/L	0.05
1,4-Dichlorobenzene		<0.05	mg/L	0.05
o-Cresol		<0.05	mg/L	0.05
m,p-Cresol		<0.05	mg/L	0.05
Hexachloroethane		<0.05	mg/L	0.05
Nitrobenzene		<0.05	mg/L	0.05
Hexachlorobutadiene		<0.05	mg/L	0.05
2,4,6-Trichlorophenol		<0.05	mg/L	0.05
2,4,5-Trichlorophenol		<0.05	mg/L	0.05
2,4-Dinitrotoluene		<0.05	mg/L	0.05
2,4-D		<0.05	mg/L	0.05
Hexachlorobenzene		<0.05	mg/L	0.05
2,4,5-TP		<0.05	mg/L	0.05
Pentachlorophenol		<0.05	mg/L	0.05

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
2-Fluorophenol		22.11	mg/L	1	80	27	21 - 100
Phenol-d5		13.03	mg/L	1	80	16	10 - 94
Nitrobenzene-d5		67.05	mg/L	1	80	83	35 - 114
2-Fluorobiphenyl		68.19	mg/L	1	80	85	43 - 116
2,4,6-Tribromophenol		58.54	mg/L	1	80	73	10 - 123
Terphenyl-d14		71.95	mg/L	1	80	89	33 - 141

Quality Control Report
Duplicate Samples

Duplicate

QCBatch: QC11047

Param	Flag	Duplicate Result	Sample Result	Units	Dilution	RPD	RPD Limit
Reactivity		non	Non-reactive		1	0	20
Hydrogen Cyanide		<2.5	<2.5		1	0	20
Hydrogen Sulfide		<10	<10		1	0	20

Duplicate QCBatch: QC11048

Param	Flag	Duplicate Result	Sample Result	Units	Dilution	RPD	RPD Limit
Corrosivity		non		mm/yr	1	0	20
Corrosivity		non	non	mm/yr	1	0	20
pH		5.74		s.u.	1	0	20
pH		5.74	5.76	s.u.	1	0	20

Duplicate QCBatch: QC11049

Param	Flag	Duplicate Result	Sample Result	Units	Dilution	RPD	RPD Limit
Ignitability		non	non-ignitable		1	0	20

Duplicate QCBatch: QC11190

Param	Flag	Duplicate Result	Sample Result	Units	Dilution	RPD	RPD Limit
Specific Conductance		32604	32600	μMHOS/cm	1	0	6.1

Duplicate QCBatch: QC11250

Param	Flag	Duplicate Result	Sample Result	Units	Dilution	RPD	RPD Limit
pH		6.9	6.9	s.u.	1	0	0.85

Duplicate QCBatch: QC11294

Param	Flag	Duplicate Result	Sample Result	Units	Dilution	RPD	RPD Limit
Hydroxide Alkalinity		<1.0	<1.0	mg/Kg as CaCo3	1	0	7
Carbonate Alkalinity		<1.0	<1.0	mg/Kg as CaCo3	1	0	7
Bicarbonate Alkalinity		40	38	mg/Kg as CaCo3	1	5	7
Total Alkalinity		40	38	mg/Kg as CaCo3	1	5	7

Quality Control Report
Lab Control Spikes and Duplicate Spikes

Laboratory Control Spikes

QCBatch: QC11034

Param	LCS Result	LCSD Result	Units	Dil.	Spike Amount Added	Matrix Result	% Rec	RPD	% Rec Limit	RPD Limit
Total Mercury	2.55	2.48	mg/Kg	1	2.50	<0.19	102	2	83 - 124	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spikes

QCBatch: QC11065

Param	LCS Result	LCSD Result	Units	Dil.	Spike Amount Added	Matrix Result	% Rec	RPD	% Rec Limit	RPD Limit
CL	[5] 14.52	[6] 14.43	mg/Kg	1	12.50	2.90	116	0	90 - 110	20
Fluoride	2.77	2.79	mg/Kg	1	2.50	<1.0	110	0	90 - 110	20
Nitrate-N	2.66	2.64	mg/Kg	1	2.50	<1.0	106	0	90 - 110	20
Sulfate	[7] 20.80	[8] 20.72	mg/Kg	1	12.50	8.14	166	0	90 - 110	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spikes

QCBatch: QC11114

Param	LCS Result	LCSD Result	Units	Dil.	Spike Amount Added	Matrix Result	% Rec	RPD	% Rec Limit	RPD Limit
1,1-Dichloroethene	105	108	µg/Kg	1	100	<25.0	105	2	67 - 131	20
Benzene	98	99	µg/Kg	1	100	<25.0	98	1	74 - 120	20
Trichloroethene (TCE)	94	96	µg/Kg	1	100	<25.0	94	2	74 - 115	20
Toluene	97	97	µg/Kg	1	100	<25.0	97	0	74 - 117	20
Chlorobenzene	101	102	µg/Kg	1	100	<25.0	101	0	81 - 116	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	LCS Result	LCSD Result	Units	Dilution	Spike Amount	LCS % Rec	LCSD % Rec	Recovery Limits
Dibromofluoromethane	44.19	44.64	µg/Kg	1	50	88	89	87 - 121
Toluene-d8	51.59	51.51	µg/Kg	1	50	103	103	91 - 114
4-Bromofluorobenzene	49.32	49.46	µg/Kg	1	50	98	98	86 - 114

Laboratory Control Spikes

QCBatch: QC11115

Param	LCS Result	LCSD Result	Units	Dil.	Spike Amount Added	Matrix Result	% Rec	RPD	% Rec Limit	RPD Limit
1,1-Dichloroethene	105	108	µg/Kg	1	100	<25.0	105	2	67 - 131	20
Benzene	98	99	µg/Kg	1	100	<25.0	98	1	74 - 120	20
Trichloroethene (TCE)	94	96	µg/Kg	1	100	<25.0	94	2	74 - 115	20
Toluene	97	97	µg/Kg	1	100	<25.0	97	0	74 - 117	20
Chlorobenzene	101	102	µg/Kg	1	100	<25.0	101	0	81 - 116	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

[5]Sample master doesn't subtract the blank from the spikes. The correct %EA = 93.
[6]Sample master doesn't subtract the blank from the spikes.
[7]Sample master doesn't subtract the blank from the spikes. The correct %EA = 101.
[8]Sample master doesn't subtract the blank from the spikes.

Surrogate	LCS Result	LCSD Result	Units	Dilution	Spike Amount	LCS % Rec	LCSD % Rec	Recovery Limits
Dibromofluoromethane	44.19	44.64	µg/Kg	1	50	88	89	87 - 112
Toluene-d8	51.59	51.51	µg/Kg	1	50	103	103	91 - 111
4-Bromofluorobenzene	49.32	49.46	µg/Kg	1	50	98	98	79 - 104

Laboratory Control Spikes

QCBatch: QC11118

Param	LCS Result	LCSD Result	Units	Dil.	Spike Amount Added	Matrix Result	% Rec	RPD	% Rec Limit	RPD Limit
Total Arsenic	48.2	48.9	mg/Kg	1	50	<10	96	1	80 - 120	20
Total Barium	97	100	mg/Kg	1	100	<20	97	3	80 - 120	20
Total Cadmium	23.1	23.8	mg/Kg	1	25	<5.0	92	2	80 - 120	20
Total Chromium	10	10.2	mg/Kg	1	10	<2.0	100	1	80 - 120	20
Total Lead	45.8	46	mg/Kg	1	50	<10	91	0	80 - 120	20
Total Selenium	41.6	46.5	mg/Kg	1	50	<10	83	11	80 - 120	20
Total Silver	11.2	11	mg/Kg	1	12.50	<2.5	89	1	80 - 120	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spikes

QCBatch: QC11120

Param	LCS Result	LCSD Result	Units	Dil.	Spike Amount Added	Matrix Result	% Rec	RPD	% Rec Limit	RPD Limit
TCLP Arsenic	5.97	6.06	mg/L	1	5	<1	119	1	80 - 120	20
TCLP Barium	10.1	10.1	mg/L	1	10	<1	101	0	80 - 120	20
TCLP Cadmium	2.63	2.63	mg/L	1	2.50	<0.2	105	0	80 - 120	20
TCLP Chromium	1.03	1.03	mg/L	1	1	<1	103	0	80 - 120	20
TCLP Lead	5.18	5.21	mg/L	1	5	<1	103	0	80 - 120	20
TCLP Selenium	4.79	4.86	mg/L	1	5	<1	95	1	80 - 120	20
TCLP Silver	1.21	1.22	mg/L	1	1.25	<0.5	96	0	80 - 120	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spikes

QCBatch: QC11134

Param	LCS Result	LCSD Result	Units	Dil.	Spike Amount Added	Matrix Result	% Rec	RPD	% Rec Limit	RPD Limit
MTBE	1.28	1.19	mg/Kg	1	0.10	<0.013	98	7	80 - 120	20
Benzene	1.33	1.29	mg/Kg	1	0.10	<0.013	102	3	80 - 120	20
Toluene	1.25	1.23	mg/Kg	1	0.10	<0.013	96	1	80 - 120	20
Ethylbenzene	1.22	1.2	mg/Kg	1	0.10	<0.013	93	1	80 - 120	20
M,P,O-Xylene	3.7	3.62	mg/Kg	1	0.30	<0.013	94	2	80 - 120	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	LCS Result	LCSD Result	Units	Dilution	Spike Amount	LCS % Rec	LCSD % Rec	Recovery Limits
TFT	1.3	1.25	mg/Kg	13	0.10	100	96	72 - 128
4-BFB	1.23	1.19	mg/Kg	13	0.10	94	91	72 - 128

Laboratory Control Spikes

QCBatch: QC11161

Param	LCS Result	LCSD Result	Units	Dil.	Spike Amount Added	Matrix Result	% Rec	RPD	% Rec Limit	RPD Limit
Phenol	61.85	60.98	mg/Kg	1	80	<0.005	77	1	5 - 112	20
2-Chlorophenol	65.39	65.57	mg/Kg	1	80	<0.005	81	0	23 - 134	20
1,4-Dichlorobenzene	65.12	66.4	mg/Kg	1	80	<0.005	81	1	20 - 124	20
n-Nitrosodi-n-propylamine	64.62	64.84	mg/Kg	1	80	<0.005	80	0	0 - 230	20
1,2,4-Trichlorobenzene	66.83	67.75	mg/Kg	1	80	<0.005	83	1	44 - 142	20
4-Chloro-3-methylphenol	62.5	61.65	mg/Kg	1	80	<0.005	78	1	22 - 147	20
Acenaphthene	74.08	74.8	mg/Kg	1	80	<0.005	92	0	47 - 145	20
4-Nitrophenol	32.14	32.26	mg/Kg	1	80	<0.005	40	0	0 - 132	20
2,4-Dinitrotoluene	66.95	67.35	mg/Kg	1	80	<0.005	83	0	39 - 139	20
Pentachlorophenol	26.12	24.36	mg/Kg	1	80	<0.005	32	6	14 - 176	20
Pyrene	72.08	74.97	mg/Kg	1	80	<0.005	90	3	52 - 115	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	LCS Result	LCSD Result	Units	Dilution	Spike Amount	LCS % Rec	LCSD % Rec	Recovery Limits
2-Fluorophenol	58.85	59.29	mg/Kg	1	80	73	74	25 - 121
Phenol-d5	59.9	59.2	mg/Kg	1	80	74	74	24 - 113
Nitrobenzene-d5	62.21	61.81	mg/Kg	1	80	77	77	23 - 120
2-Fluorobiphenyl	66.78	67.98	mg/Kg	1	80	83	84	30 - 115
2,4,6-Tribromophenol	57.01	57.54	mg/Kg	1	80	71	71	19 - 122
Terphenyl-d14	65.59	68.69	mg/Kg	1	80	81	85	28 - 137

Laboratory Control Spikes

QCBatch: QC11196

Param	LCS Result	LCSD Result	Units	Dil.	Spike Amount Added	Matrix Result	% Rec	RPD	% Rec Limit	RPD Limit
TCLP Mercury	0.0523	0.0415	mg/L	1	0.05	<0.010	104	23	80 - 119	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spikes

QCBatch: QC11207

Param	LCS Result	LCSD Result	Units	Dil.	Spike Amount Added	Matrix Result	% Rec	RPD	% Rec Limit	RPD Limit
Vinyl Chloride	3.35	3.49	mg/L	1	5	<0.05	67	4	36 - 130	20
1,1-Dichloroethene	4.91	5.07	mg/L	1	5	<0.05	98	3	63 - 165	20
Methyl ethyl ketone	4.24	4.35	mg/L	1	5	<0.50	84	2	41 - 169	20
Chloroform	4.80	5.03	mg/L	1	5	<0.05	96	4	72 - 133	20
1,2-Dichloroethane (EDC)	4.45	4.68	mg/L	1	5	<0.05	89	5	80 - 127	20
Benzene	4.39	4.54	mg/L	1	5	<0.05	87	3	77 - 129	20
Carbon Tetrachloride	5.14	5.38	mg/L	1	5	<0.05	102	4	62 - 162	20
Trichloroethene (TCE)	4.24	4.44	mg/L	1	5	<0.05	84	4	81 - 119	20
Tetrachloroethene (PCE)	5.12	5.24	mg/L	1	5	<0.05	102	2	50 - 131	20
Chlorobenzene	4.72	4.96	mg/L	1	5	<0.05	94	4	88 - 118	20
1,4-Dichlorobenzene	5.99	6.18	mg/L	1	5	<0.05	119	3	84 - 124	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	LCS Result	LCSD Result	Units	Dilution	Spike Amount	LCS % Rec	LCSD % Rec	Recovery Limits
Dibromofluoromethane	50.5	51.5	mg/L	1	50	101	103	85 - 115
Toluene-d8	46.5	47	mg/L	1	50	93	94	86 - 114
4-Bromofluorobenzene	46	46.5	mg/L	1	50	92	93	79 - 108

Laboratory Control Spikes

QCBatch: QC12510

Param	LCS Result	LCSD Result	Units	Dil.	Spike Amount Added	Matrix Result	% Rec	RPD	% Rec Limit	RPD Limit
Pyridine	16.07	15.55	mg/L	1	80	<0.05	20	3	0 - 92	20
1,4-Dichlorobenzene	38.04	37.51	mg/L	1	80	<0.05	47	1	20 - 124	20
o-Cresol	23.70	22.88	mg/L	1	80	<0.05	29	3	41 - 92	20
m,p-Cresol	49.35	47.94	mg/L	1	160	<0.05	30	2	7 - 127	20
Hexachloroethane	40.59	38.79	mg/L	1	80	<0.05	50	4	40 - 113	20
Nitrobenzene	44.54	43.81	mg/L	1	80	<0.05	55	1	35 - 186	20
Hexachlorobutadiene	41.44	41.56	mg/L	1	80	<0.05	51	0	24 - 116	20
2,4,6-Trichlorophenol	41.20	40.30	mg/L	1	80	<0.05	51	2	37 - 144	20
2,4,5-Trichlorophenol	41.27	41.89	mg/L	1	80	<0.05	51	1	49 - 185	20
2,4-Dinitrotoluene	52.11	49.45	mg/L	1	80	<0.05	65	5	39 - 139	20
2,4-D	<10	<10	mg/L	1	80	<0.05	0	0	2 - 92	20
Hexachlorobenzene	49.81	50.64	mg/L	1	80	<0.05	62	1	0 - 152	20
2,4,5-TP	<10	<10	mg/L	1	80	<0.05	0	0	0 - 112	20
Pentachlorophenol	28.62	19.65	mg/L	1	80	<0.05	35	37	14 - 176	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	LCS Result	LCSD Result	Units	Dilution	Spike Amount	LCS % Rec	LCSD % Rec	Recovery Limits
2-Fluorophenol	15.89	15.18	mg/L	1	80	19	18	21 - 100
Phenol-d5	9.53	9.40	mg/L	1	80	11	11	10 - 94
Nitrobenzene-d5	45.69	45.30	mg/L	1	80	57	56	35 - 114
2-Fluorobiphenyl	44.77	44.70	mg/L	1	80	55	55	43 - 116
2,4,6-Tribromophenol	43.68	40.93	mg/L	1	80	54	51	10 - 123
Terphenyl-d14	41.21	42.36	mg/L	1	80	51	52	33 - 141

Quality Control Report
Matrix Spikes and Duplicate Spikes

Matrix Spikes

QCBatch: QC11034

Param	MS Result	MSD Result	Units	Dil.	Spike Amount Added	Matrix Result	% Rec	RPD	% Rec Limit	RPD Limit
Total Mercury	2.51	2.53	mg/Kg	1	2.50	<0.19	100	0	83 - 124	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spikes

QCBatch: QC11035

Param	MS Result	MSD Result	Units	Dil.	Spike Amount Added	Matrix Result	% Rec	RPD	% Rec Limit	RPD Limit
Total Mercury	2.61	2.63	mg/Kg	1	2.50	<0.19	104	0	83 - 124	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spikes

QCBatch: QC11065

Param	MS Result	MSD Result	Units	Dil.	Spike Amount Added	Matrix Result	% Rec	RPD	% Rec Limit	RPD Limit
CL	3213.81	3221.40	mg/Kg	1	1250	2130	86	0	70 - 115	20
Fluoride	[9] 254.30	[10] 252.64	mg/Kg	1	250	<5.0	101	0	77 - 111	20
Nitrate-N	[11] 261.83	[12] 257.80	mg/Kg	1	250	<5.0	104	1	80 - 112	20
Sulfate	2648.39	2617.28	mg/Kg	1	1250	1320	106	2	74 - 118	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spikes

QCBatch: QC11118

Param	MS Result	MSD Result	Units	Dil.	Spike Amount Added	Matrix Result	% Rec	RPD	% Rec Limit	RPD Limit
Total Arsenic	46.7	43.7	mg/Kg	1	50	<10	93	6	75 - 125	20
Total Barium	158	141	mg/Kg	1	100	74.3	83	22	75 - 125	20
Total Cadmium	24.1	24.3	mg/Kg	1	25	<5.0	96	0	75 - 125	20
Total Chromium	13.9	12.7	mg/Kg	1	10	5.34	85	15	75 - 125	20
Total Lead	67.1	64.4	mg/Kg	1	50	22.3	89	6	75 - 125	20
Total Selenium	41.8	43.5	mg/Kg	1	50	<10	83	3	75 - 125	20
Total Silver	11.3	11.7	mg/Kg	1	12.50	<2.5	90	3	75 - 125	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spikes

QCBatch: QC11120

Param	MS Result	MSD Result	Units	Dil.	Spike Amount Added	Matrix Result	% Rec	RPD	% Rec Limit	RPD Limit
TCLP Arsenic	6.24	6.08	mg/L	1	5	<1	124	2	75 - 125	20
TCLP Barium	10.6	10.4	mg/L	1	10	<1	106	1	75 - 125	20
TCLP Cadmium	2.74	2.69	mg/L	1	2.50	<0.2	109	1	75 - 125	20
TCLP Chromium	1.06	1.05	mg/L	1	1	<1	106	0	75 - 125	20
TCLP Lead	5.4	5.32	mg/L	1	5	<1	108	1	75 - 125	20
TCLP Selenium	5.04	4.87	mg/L	1	5	<1	100	3	75 - 125	20
TCLP Silver	1.26	1.23	mg/L	1	1.25	<0.5	100	2	75 - 125	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

[9] I spiked the *100 dilution for 170576, but reported the *5 dilution.
[10] I spiked the *100 dilution for 170576, but reported the *5 dilution.
[11] I spiked the *100 dilution for 170576, but reported the *5 dilution.
[12] I spiked the *100 dilution for 170576, but reported the *5 dilution.

Matrix Spikes

QCBatch: QC11196

Param	MS Result	MSD Result	Units	Dil.	Spike Amount Added	Matrix Result	% Rec	RPD	% Rec Limit	RPD Limit
TCLP Mercury	0.0503	0.0505	mg/L	1	0.05	<0.010	100	0	83 - 125	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spikes

QCBatch: QC12510

Param	MS Result	MSD Result	Units	Dil.	Spike Amount Added	Matrix Result	% Rec	RPD	% Rec Limit	RPD Limit
Pyridine	<10	<10	mg/L	1	80	<0.05	0	0	0 - 92	20
1,4-Dichlorobenzene	40.30	41.28	mg/L	1	80	<0.05	50	2	20 - 124	20
o-Cresol	39.77	38.21	mg/L	1	80	<0.05	49	4	41 - 92	20
m,p-Cresol	92.88	87.25	mg/L	1	160	<0.05	58	6	7 - 127	20
Hexachloroethane	43.84	43.61	mg/L	1	80	<0.05	54	0	40 - 113	20
Nitrobenzene	48.52	49.40	mg/L	1	80	<0.05	60	1	35 - 186	20
Hexachlorobutadiene	47.26	48.26	mg/L	1	80	<0.05	59	2	24 - 116	20
2,4,6-Trichlorophenol	51.06	46.29	mg/L	1	80	<0.05	63	9	37 - 144	20
2,4,5-Trichlorophenol	51.25	48.45	mg/L	1	80	<0.05	64	5	49 - 185	20
2,4-Dinitrotoluene	56.48	56.33	mg/L	1	80	<0.05	70	0	39 - 139	20
2,4-D	18.55	16.23	mg/L	1	80	<0.05	23	13	2 - 92	20
Hexachlorobenzene	61.75	61.08	mg/L	1	80	<0.05	77	1	0 - 152	20
2,4,5-TP	14.40	11.54	mg/L	1	80	<0.05	18	22	0 - 112	20
Pentachlorophenol	39.38	35.21	mg/L	1	80	<0.05	49	11	14 - 176	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	MS Result	MSD Result	Units	Dilution	Spike Amount	MS % Rec	MSD % Rec	Recovery Limits
2-Fluorophenol	31.21	30.81	mg/L	1	80	39	38	21 - 100
Phenol-d5	25.22	24.87	mg/L	1	80	31	31	10 - 94
Nitrobenzene-d5	48.36	48.66	mg/L	1	80	60	60	35 - 114
2-Fluorobiphenyl	50.89	52.13	mg/L	1	80	63	65	43 - 116
2,4,6-Tribromophenol	48.34	41.78	mg/L	1	80	60	52	10 - 123
Terphenyl-d14	56.20	53.20	mg/L	1	80	70	66	33 - 141

Quality Control Report
Continuing Calibration Verification Standards

CCV (1)

QCBatch: QC11016

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
TRPHC		mg/Kg	100	98.1	98	75 - 125	5/8/01

CCV (2)

QCBatch: QC11016

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
TRPHC		mg/Kg	100	104	104	75 - 125	5/8/01

ICV (1) QCBatch: QC11016

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
TRPHC		mg/Kg	100	98.6	98	75 - 125	5/8/01

CCV (1) QCBatch: QC11034

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Mercury		mg/Kg	0.005	0.00480	96	80 - 120	5/8/01

ICV (1) QCBatch: QC11034

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Mercury		mg/Kg	0.005	0.00488	97	80 - 120	5/8/01

CCV (1) QCBatch: QC11035

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Mercury		mg/L	0.005	0.00480	96	80 - 120	4/8/01

ICV (1) QCBatch: QC11035

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Mercury		mg/L	0.005	0.00488	97	80 - 120	4/8/01

CCV (1) QCBatch: QC11065

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Bromide		mg/Kg	2.50	2.67	106	90 - 110	5/9/01
CL		mg/Kg	12.50	12.12	96	90 - 110	5/9/01
Fluoride		mg/Kg	2.50	2.44	97	90 - 110	5/9/01
Nitrate-N		mg/Kg	2.50	2.49	99	90 - 110	5/9/01
Sulfate		mg/Kg	12.50	12.60	100	90 - 110	5/9/01

ICV (1)

QCBatch: QC11065

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Bromide		mg/Kg	2.50	2.69	107	90 - 110	5/9/01
CL		mg/Kg	12.50	12.21	97	90 - 110	5/9/01
Fluoride		mg/Kg	2.50	2.44	97	90 - 110	5/9/01
Nitrate-N		mg/Kg	2.50	2.48	99	90 - 110	5/9/01
Sulfate		mg/Kg	12.50	12.71	101	90 - 110	5/9/01

CCV (1)

QCBatch: QC11106

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Phenol		mg/Kg	60	55.78	92	80 - 120	5/8/01
1,4-Dichlorobenzene		mg/Kg	60	54.79	91	80 - 120	5/8/01
2-Nitrophenol		mg/Kg	60	53.86	89	80 - 120	5/8/01
2,4-Dichlorophenol		mg/Kg	60	55.12	91	80 - 120	5/8/01
Hexachlorobutadiene		mg/Kg	60	54.32	90	80 - 120	5/8/01
4-Chloro-3-methylphenol		mg/Kg	60	54.71	91	80 - 120	5/8/01
2,4,6-Trichlorophenol		mg/Kg	60	52.71	87	80 - 120	5/8/01
Acenaphthene		mg/Kg	60	55.45	92	80 - 120	5/8/01
Diphenylamine		mg/Kg	60	55.97	93	80 - 120	5/8/01
Fluoranthene		mg/Kg	60	69.41	115	80 - 120	5/8/01
Di-n-octylphthalate		mg/Kg	60	63.25	105	80 - 120	5/8/01
Benzo(a)pyrene		mg/Kg	60	57.41	95	80 - 120	5/8/01
2-Fluorophenol		mg/Kg	60	54.89	91	80 - 120	5/8/01
Phenol-d5		mg/Kg	60	58.66	97	80 - 120	5/8/01
Nitrobenzene-d5		mg/Kg	60	55.88	93	80 - 120	5/8/01
2-Fluorobiphenyl		mg/Kg	60	54.24	90	80 - 120	5/8/01
2,4,6-Tribromophenol		mg/Kg	60	51.11	85	80 - 120	5/8/01
Terphenyl-d14		mg/Kg	60	62.03	103	80 - 120	5/8/01

CCV (1)

QCBatch: QC11114

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Vinyl Chloride		µg/Kg	100	88	88	80 - 120	5/11/01

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Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
1,1-Dichloroethene		µg/Kg	100	89	89	80 - 120	5/11/01
Chloroform		µg/Kg	100	89	89	80 - 120	5/11/01
1,2-Dichloropropane		µg/Kg	100	94	94	80 - 120	5/11/01
Toluene		µg/Kg	100	91	91	80 - 120	5/11/01
Chlorobenzene		µg/Kg	100	99	99	80 - 120	5/11/01
Ethylbenzene		µg/Kg	100	100	100	80 - 120	5/11/01
Dibromofluoromethane		µg/Kg	50	44.36	88	80 - 120	5/11/01
Toluene-d8		µg/Kg	50	50.67	101	80 - 120	5/11/01
4-Bromofluorobenzene		µg/Kg	50	48.92	97	80 - 120	5/11/01

CCV (1) QCBatch: QC11115

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Vinyl Chloride		µg/Kg	100	88	88	80 - 120	5/11/01
1,1-Dichloroethene		µg/Kg	100	89	89	80 - 120	5/11/01
Chloroform		µg/Kg	100	89	89	80 - 120	5/11/01
1,2-Dichloropropane		µg/Kg	100	94	94	80 - 120	5/11/01
Toluene		µg/Kg	100	91	91	80 - 120	5/11/01
Chlorobenzene		µg/Kg	100	99	99	80 - 120	5/11/01
Ethylbenzene		µg/Kg	100	100	100	80 - 120	5/11/01
Dibromofluoromethane		µg/Kg	50	44.36	88	80 - 120	5/11/01
Toluene-d8		µg/Kg	50	50.67	101	80 - 120	5/11/01
4-Bromofluorobenzene		µg/Kg	50	48.92	97	80 - 120	5/11/01

CCV (1) QCBatch: QC11118

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Arsenic		mg/L	1	.92	92	90 - 110	5/12/01
Total Barium		mg/L	2	1.90	95	90 - 110	5/12/01
Total Cadmium		mg/L	0.50	.48	96	90 - 110	5/12/01
Total Chromium		mg/L	0.20	.18	90	90 - 110	5/12/01
Total Lead		mg/L	1	.91	91	90 - 110	5/12/01
Total Selenium		mg/L	1	.97	97	90 - 110	5/12/01
Total Silver		mg/L	0.25	.23	92	90 - 110	5/12/01

ICV (1) QCBatch: QC11118

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Arsenic		mg/L	1	1.01	101	90 - 110	5/12/01
Total Barium		mg/L	2	1.95	97	90 - 110	5/12/01

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Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Cadmium		mg/L	0.50	.49	98	90 - 110	5/12/01
Total Chromium		mg/L	0.20	.20	100	90 - 110	5/12/01
Total Lead		mg/L	1	.97	97	90 - 110	5/12/01
Total Selenium		mg/L	1	1.02	102	90 - 110	5/12/01
Total Silver		mg/L	0.25	.24	96	90 - 110	5/12/01

CCV (1)

QCBatch: QC11120

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
TCLP Arsenic		mg/L	1	1.07	107	90 - 110	5/12/01
TCLP Barium		mg/L	2	2.07	103	90 - 110	5/12/01
TCLP Cadmium		mg/L	0.50	0.531	106	90 - 110	5/12/01
TCLP Chromium		mg/L	0.20	0.208	104	90 - 110	5/12/01
TCLP Lead		mg/L	1	1.05	105	90 - 110	5/12/01
TCLP Selenium		mg/L	1	1.06	106	90 - 110	5/12/01
TCLP Silver		mg/L	0.25	0.247	98	90 - 110	5/12/01

ICV (1)

QCBatch: QC11120

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
TCLP Arsenic		mg/L	1	1.03	103	90 - 110	5/12/01
TCLP Barium		mg/L	2	2	100	90 - 110	5/12/01
TCLP Cadmium		mg/L	0.50	0.501	100	90 - 110	5/12/01
TCLP Chromium		mg/L	0.20	0.2	100	90 - 110	5/12/01
TCLP Lead		mg/L	1	1	100	90 - 110	5/12/01
TCLP Selenium		mg/L	1	1	100	90 - 110	5/12/01
TCLP Silver		mg/L	0.25	0.249	99	90 - 110	5/12/01

CCV (1)

QCBatch: QC11123

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Arsenic		mg/L	1	1.07	107	90 - 110	5/12/01
Total Barium		mg/L	2	2.09	104	90 - 110	5/12/01
Total Cadmium		mg/L	0.50	0.531	106	90 - 110	5/12/01
Total Chromium		mg/L	0.20	0.209	104	90 - 110	5/12/01
Total Lead		mg/L	1	1.05	105	90 - 110	5/12/01
Total Selenium		mg/L	1	1.04	104	90 - 110	5/12/01
Total Silver		mg/L	0.25	0.251	100	90 - 110	5/12/01

ICV (1) QCBatch: QC11123

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Arsenic		mg/L	1	1.03	103	90 - 110	5/12/01
Total Barium		mg/L	2	2	100	90 - 110	5/12/01
Total Cadmium		mg/L	0.50	0.501	100	90 - 110	5/12/01
Total Chromium		mg/L	0.20	0.20	100	90 - 110	5/12/01
Total Lead		mg/L	1	1	100	90 - 110	5/12/01
Total Selenium		mg/L	1	1	100	90 - 110	5/12/01
Total Silver		mg/L	0.25	0.249	99	90 - 110	5/12/01

CCV (1) QCBatch: QC11134

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
MTBE		mg/Kg	0.10	0.106	106	85 - 115	5/11/01
Benzene		mg/Kg	0.10	0.103	103	85 - 115	5/11/01
Toluene		mg/Kg	0.10	0.0977	97	85 - 115	5/11/01
Ethylbenzene		mg/Kg	0.10	0.0921	92	85 - 115	5/11/01
M,P,O-Xylene		mg/Kg	0.30	0.272	90	85 - 115	5/11/01

ICV (1) QCBatch: QC11134

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
MTBE		mg/Kg	0.10	0.102	102	85 - 115	5/11/01
Benzene		mg/Kg	0.10	0.103	103	85 - 115	5/11/01
Toluene		mg/Kg	0.10	0.0985	98	85 - 115	5/11/01
Ethylbenzene		mg/Kg	0.10	0.0972	97	85 - 115	5/11/01
M,P,O-Xylene		mg/Kg	0.30	0.29	96	85 - 115	5/11/01

CCV (1) QCBatch: QC11161

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Phenol		mg/Kg	60	58.24	97	80 - 120	5/14/01
1,4-Dichlorobenzene		mg/Kg	60	55.21	92	80 - 120	5/14/01
2-Nitrophenol		mg/Kg	60	57.84	96	80 - 120	5/14/01
2,4-Dichlorophenol		mg/Kg	60	57.29	95	80 - 120	5/14/01
Hexachlorobutadiene		mg/Kg	60	53.28	88	80 - 120	5/14/01
4-Chloro-3-methylphenol		mg/Kg	60	58.54	97	80 - 120	5/14/01
2,4,6-Trichlorophenol		mg/Kg	60	55.18	91	80 - 120	5/14/01
Acenaphthene		mg/Kg	60	54.59	90	80 - 120	5/14/01
Diphenylamine		mg/Kg	60	56.46	94	80 - 120	5/14/01
Pentachlorophenol		mg/Kg	60	64.19	106	80 - 120	5/14/01

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Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Fluoranthene		mg/Kg	60	62.7	104	80 - 120	5/14/01
Di-n-octylphthalate		mg/Kg	60	70.88	118	80 - 120	5/14/01
Benzo(a)pyrene		mg/Kg	60	56.16	93	80 - 120	5/14/01
2-Fluorophenol		mg/Kg	60	56.29	93	80 - 120	5/14/01
Phenol-d5		mg/Kg	60	60.49	100	80 - 120	5/14/01
Nitrobenzene-d5		mg/Kg	60	56.27	93	80 - 120	5/14/01
2-Fluorobiphenyl		mg/Kg	60	54.13	90	80 - 120	5/14/01
2,4,6-Tribromophenol		mg/Kg	60	59.29	98	80 - 120	5/14/01
Terphenyl-d14		mg/Kg	60	61.57	102	80 - 120	5/14/01

CCV (1) QCBatch: QC11190

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Specific Conductance		μMHOS/cm	1412	1388	98	90 - 110	5/9/01

ICV (1) QCBatch: QC11190

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Specific Conductance		μMHOS/cm	1411	1397	99	90 - 110	5/9/01

CCV (1) QCBatch: QC11196

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
TCLP Mercury		mg/L	0.005	0.00474	94	80 - 120	5/15/01

ICV (1) QCBatch: QC11196

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
TCLP Mercury		mg/L	0.005	0.00533	106	80 - 120	5/15/01

CCV (1) QCBatch: QC11207

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Vinyl Chloride		mg/L	100	92	92	80 - 120	5/10/01
1,1-Dichloroethene		mg/L	100	95	95	80 - 120	5/10/01
Methyl ethyl ketone		mg/L	100	90	90	80 - 120	5/10/01
Chloroform		mg/L	100	95	95	80 - 120	5/10/01
1,2-Dichloroethane (EDC)		mg/L	100	94	94	80 - 120	5/10/01
Benzene		mg/L	100	94	94	80 - 120	5/10/01
Carbon Tetrachloride		mg/L	100	104	104	80 - 120	5/10/01
Trichloroethene (TCE)		mg/L	100	97	97	80 - 120	5/10/01
Tetrachloroethene (PCE)		mg/L	100	106	106	80 - 120	5/10/01
Chlorobenzene		mg/L	100	100	100	80 - 120	5/10/01
1,4-Dichlorobenzene		mg/L	100	95	95	80 - 120	5/10/01
Dibromofluoromethane		mg/L	50	48.5	97	80 - 120	5/10/01
Toluene-d8		mg/L	50	48.5	97	80 - 120	5/10/01
4-Bromofluorobenzene		mg/L	50	48.5	97	80 - 120	5/10/01

CCV (1) QCBatch: QC11250

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
pH		s.u.	7	7.0	100	-0.1 s.u. - +0.1 s.u.	5/9/01

ICV (1) QCBatch: QC11250

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
pH		s.u.	7	7.0	100	-0.1 s.u. - +0.1 s.u.	5/9/01

CCV (1) QCBatch: QC11294

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Hydroxide Alkalinity		mg/Kg as CaCo3	0	<1.0	0	90 - 110	5/17/01
Carbonate Alkalinity		mg/Kg as CaCo3	0	236	0	90 - 110	5/17/01
Bicarbonate Alkalinity		mg/Kg as CaCo3	0	10	0	90 - 110	5/17/01
Total Alkalinity		mg/Kg as CaCo3	250	246	98	90 - 110	5/17/01

ICV (1) QCBatch: QC11294

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Hydroxide Alkalinity		mg/Kg as CaCo3	0	<1.0	0	90 - 110	5/17/01

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Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Carbonate Alkalinity		mg/Kg as CaCo3	0	228	0	90 - 110	5/17/01
Bicarbonate Alkalinity		mg/Kg as CaCo3	0	18	0	90 - 110	5/17/01
Total Alkalinity		mg/Kg as CaCo3	250	246	98	90 - 110	5/17/01

CCV (1)

QCBatch: QC12510

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Pyridine		mg/L	60	60.32	100	80 - 120	5/21/01
1,4-Dichlorobenzene		mg/L	60	60.35	100	80 - 120	5/21/01
o-Cresol		mg/L	60	59.44	99	80 - 120	5/21/01
m,p-Cresol		mg/L	60	59.26	98	80 - 120	5/21/01
Hexachloroethane		mg/L	60	63.70	106	80 - 120	5/21/01
Nitrobenzene		mg/L	60	61.95	103	80 - 120	5/21/01
Hexachlorobutadiene		mg/L	60	59.49	99	80 - 120	5/21/01
2,4,6-Trichlorophenol		mg/L	60	57.41	95	80 - 120	5/21/01
2,4,5-Trichlorophenol		mg/L	60	56.31	93	80 - 120	5/21/01
2,4-Dinitrotoluene		mg/L	60	66.90	111	80 - 120	5/21/01
2,4-D		mg/L	60	58.14	96	2 - 92	5/21/01
Hexachlorobenzene		mg/L	60	55.17	91	80 - 120	5/21/01
2,4,5-TP		mg/L	60	56.07	93	0 - 112	5/21/01
Pentachlorophenol		mg/L	60	40.51	67	80 - 120	5/21/01
2-Fluorophenol		mg/L	60	57.44	95	80 - 120	5/21/01
Nitrobenzene-d5		mg/L	60	62.62	104	80 - 120	5/21/01
2-Fluorobiphenyl		mg/L	60	59.99	99	80 - 120	5/21/01
2,4,6-Tribromophenol		mg/L	60	57.22	95	80 - 120	5/21/01
Terphenyl-d14		mg/L	60	53.07	88	80 - 120	5/21/01

Summary Report

Paul Sheeley
OCD
1220 S. Saint Francis Dr.
Santa Fe, NM 87504

Report Date: July 10, 2001

Order ID Number: A01050435

Project Number: N/A
Project Name: R&R Service Co.
Project Location: R&R Service Co.

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
170575	0105030830	Solid	5/3/01	:	5/4/01
170576	0105030845	Solid	5/3/01	:	5/4/01
170577	0105030850	Solid	5/3/01	:	5/4/01
170578	0105030900	Solid	5/3/01	:	5/4/01
170579	0105030905	Solid	5/3/01	:	5/4/01
170580	0105030935	Sludge	5/3/01	:	5/4/01

This report consists of a total of 13 page(s) and is intended only as a summary of results for the sample(s) listed above.

	BTEX					TPH
Sample - Field Code	Benzene (mg/Kg)	Toluene (mg/Kg)	Ethylbenzene (mg/Kg)	M,P,O-Xylene (mg/Kg)	Total BTEX (mg/Kg)	TRPHC (mg/Kg)
170575 - 0105030830	<0.025	<0.025	<0.025	<0.025	<0.025	525000

Sample: 170576 - 0105030845

Param	Flag	Result	Units
Bromochloromethane		<5000	µg/Kg
Dichlorodifluoromethane		<5000	µg/Kg
Chloromethane (methyl chloride)		<5000	µg/Kg
Vinyl Chloride		<5000	µg/Kg
Bromomethane (methyl bromide)		<5000	µg/Kg
Chloroethane		<5000	µg/Kg
Trichlorofluoromethane		<5000	µg/Kg
Acetone	[1]	89600	µg/Kg
Iodomethane (methyl iodide)		<25000	µg/Kg
Carbon Disulfide		<5000	µg/Kg
Acrylonitrile		<5000	µg/Kg
2-Butanone (MEK)		<25000	µg/Kg
4-methyl-2-pentanone (MIBK)		100300	µg/Kg
2-hexanone		<25000	µg/Kg
trans 1,4-Dichloro-2-butene		<50000	µg/Kg
1,1-Dichloroethene		<5000	µg/Kg
Methylene chloride		<25000	µg/Kg
MTBE		<5000	µg/Kg

Continued on next page ...

[1] estimated concentration, RSD value above 15% on initial calibration

Sample 170576 continued ...

Param	Flag	Result	Units
trans-1,2-Dichloroethene		<5000	µg/Kg
1,1-Dichloroethane		<5000	µg/Kg
cis-1,2-Dichloroethene		<5000	µg/Kg
2,2-Dichloropropane		<5000	µg/Kg
1,2-Dichloroethane (EDC)		<5000	µg/Kg
Chloroform		<5000	µg/Kg
1,1,1-Trichloroethane		<5000	µg/Kg
1,1-Dichloropropene		<5000	µg/Kg
Benzene		7600	µg/Kg
Carbon Tetrachloride		<5000	µg/Kg
1,2-Dichloropropane		<5000	µg/Kg
Trichloroethene (TCE)		<5000	µg/Kg
Dibromomethane (methylene bromide)		<5000	µg/Kg
Bromodichloromethane		<5000	µg/Kg
2-Chloroethyl vinyl ether		<25000	µg/Kg
cis-1,3-Dichloropropene		<5000	µg/Kg
trans-1,3-Dichloropropene		<5000	µg/Kg
Toluene	2	1729000	µg/Kg
1,1,2-Trichloroethane		<5000	µg/Kg
1,3-Dichloropropane		<5000	µg/Kg
Dibromochloromethane		<5000	µg/Kg
1,2-Dibromoethane (EDB)		<5000	µg/Kg
Tetrachloroethene (PCE)		<5000	µg/Kg
Chlorobenzene		<5000	µg/Kg
1,1,1,2-Tetrachloroethane		<5000	µg/Kg
Ethylbenzene		192800	µg/Kg
m,p-Xylene		668550	µg/Kg
Bromoform		<5000	µg/Kg
Styrene		<5000	µg/Kg
o-Xylene		199750	µg/Kg
1,1,2,2-Tetrachloroethane		<5000	µg/Kg
2-Chlorotoluene		<5000	µg/Kg
1,2,3-Trichloropropane		<5000	µg/Kg
Isopropylbenzene		20750	µg/Kg
Bromobenzene		<5000	µg/Kg
n-Propylbenzene		50100	µg/Kg
1,3,5-Trimethylbenzene		94650	µg/Kg
tert-Butylbenzene		<5000	µg/Kg
1,2,4-Trimethylbenzene		257250	µg/Kg
1,4-Dichlorobenzene (para)		<5000	µg/Kg
sec-Butylbenzene		10400	µg/Kg
1,3-Dichlorobenzene		<5000	µg/Kg
p-Isopropyltoluene		<5000	µg/Kg
4-Chlorotoluene		<5000	µg/Kg
1,2-Dichlorobenzene (ortho)		<5000	µg/Kg
n-Butylbenzene		14800	µg/Kg
1,2-Dibromo-3-chloropropane		<25000	µg/Kg
1,2,3-Trichlorobenzene		<25000	µg/Kg
1,2,4-Trichlorobenzene		<25000	µg/Kg
Naphthalene		<25000	µg/Kg
Hexachlorobutadiene		<25000	µg/Kg
Pyridine		<62.5	mg/Kg

Continued on next page ...

[2] estimated concentration, response above standard range

Sample 170576 continued ...

Param	Flag	Result	Units
n-Nitrosodimethylamine		<62.5	mg/Kg
2-Picoline		<62.5	mg/Kg
Methyl methanesulfonate		<62.5	mg/Kg
Ethyl methanesulfonate		<62.5	mg/Kg
Phenol		<62.5	mg/Kg
Aniline		<62.5	mg/Kg
bis (2-chloroethyl) ether		<62.5	mg/Kg
2-Chlorophenol		<62.5	mg/Kg
1,3-Dichlorobenzene		<62.5	mg/Kg
1,4-Dichlorobenzene		<62.5	mg/Kg
Benzyl alcohol		<62.5	mg/Kg
1,2-Dichlorobenzene		<62.5	mg/Kg
2-Methylphenol		<62.5	mg/Kg
bis (2-chloroisopropyl) ether		<62.5	mg/Kg
4-Methylphenol/3-Methylphenol		<62.5	mg/Kg
Acetophenone		<62.5	mg/Kg
n-Nitrosodi-n-propylamine		<62.5	mg/Kg
Hexachloroethane		<62.5	mg/Kg
Nitrobenzene		<62.5	mg/Kg
n-Nitrosopiperidine		<62.5	mg/Kg
Isophorone		<62.5	mg/Kg
2-Nitrophenol		<62.5	mg/Kg
2,4-Dimethylphenol		<62.5	mg/Kg
bis (2-chloroethoxy) methane		<62.5	mg/Kg
Benzoic acid		<62.5	mg/Kg
2,4-Dichlorophenol		<62.5	mg/Kg
1,2,4-Trichlorobenzene		<62.5	mg/Kg
a,a-Dimethylphenethylamine		<62.5	mg/Kg
Naphthalene		<62.5	mg/Kg
4-Chloroaniline		<62.5	mg/Kg
2,6-Dichlorophenol		<62.5	mg/Kg
Hexachlorobutadiene		<62.5	mg/Kg
n-Nitroso-di-n-butylamine		<62.5	mg/Kg
4-Chloro-3-methylphenol		<62.5	mg/Kg
1-Methylnaphthalene		89.92	mg/Kg
2-Methylnaphthalene		85.06	mg/Kg
1,2,4,5-Tetrachlorobenzene		<62.5	mg/Kg
Hexachlorocyclopentadiene		<62.5	mg/Kg
2,4,6-Trichlorophenol		<62.5	mg/Kg
2,4,5-Trichlorophenol		<62.5	mg/Kg
2-Chloronaphthalene		<62.5	mg/Kg
1-Chloronaphthalene		<62.5	mg/Kg
2-Nitroaniline		<62.5	mg/Kg
Dimethylphthalate		<62.5	mg/Kg
Acenaphthylene		<62.5	mg/Kg
2,6-Dinitrotoluene		<62.5	mg/Kg
3-Nitroaniline		<62.5	mg/Kg
Acenaphthene		<62.5	mg/Kg
2,4-Dinitrophenol		<62.5	mg/Kg
Dibenzofuran		<62.5	mg/Kg
Pentachlorobenzene		<62.5	mg/Kg
4-Nitrophenol		<62.5	mg/Kg
1-Naphthylamine		<62.5	mg/Kg

Continued on next page ...

Sample 170576 continued ...

Param	Flag	Result	Units
2,4-Dinitrotoluene		<62.5	mg/Kg
2-Naphthylamine		<62.5	mg/Kg
2,3,4,6-Tetrachlorophenol		<62.5	mg/Kg
Fluorene		<62.5	mg/Kg
Diethylphthalate		<62.5	mg/Kg
4-Chlorophenyl-phenylether		<62.5	mg/Kg
4-Nitroaniline		<62.5	mg/Kg
4,6-Dinitro-2-methylphenol		<62.5	mg/Kg
Diphenylamine		<62.5	mg/Kg
Diphenylhydrazine		<62.5	mg/Kg
4-Bromophenyl-phenylether		<62.5	mg/Kg
Phenacetin		<62.5	mg/Kg
Hexachlorobenzene		<62.5	mg/Kg
4-Aminobiphenyl		<62.5	mg/Kg
Pentachlorophenol		<62.5	mg/Kg
Pentachloronitrobenzene		<62.5	mg/Kg
Pronamide		<62.5	mg/Kg
Phenanthrene		<62.5	mg/Kg
Anthracene		<62.5	mg/Kg
Di-n-butylphthalate		<62.5	mg/Kg
Fluoranthene		<62.5	mg/Kg
Benzidine		<62.5	mg/Kg
Pyrene		<62.5	mg/Kg
p-Dimethylaminoazobenzene		<62.5	mg/Kg
Butylbenzylphthalate		<62.5	mg/Kg
Benzo(a)anthracene		<62.5	mg/Kg
3,3-Dichlorobenzidine		<62.5	mg/Kg
Chrysene		<62.5	mg/Kg
Bis (2-ethylhexyl) phthalate		<62.5	mg/Kg
Di-n-octylphthalate		<62.5	mg/Kg
Benzo(b)fluoranthene		<62.5	mg/Kg
7,12-Dimethylbenz(a)anthracene		<62.5	mg/Kg
Benzo(k)fluoranthene		<62.5	mg/Kg
Benzo(a)pyrene		<62.5	mg/Kg
3-Methylcholanthrene		<62.5	mg/Kg
Dibenzo(a,j)acridine		<62.5	mg/Kg
Indeno(1,2,3-cd)pyrene		<62.5	mg/Kg
Dibenzo(a,h)anthracene		<62.5	mg/Kg
Benzo(g,h,i)perylene		<62.5	mg/Kg
Hydroxide Alkalinity		<1.0	mg/Kg as CaCo3
Carbonate Alkalinity		<1.0	mg/Kg as CaCo3
Bicarbonate Alkalinity		38	mg/Kg as CaCo3
Total Alkalinity		38	mg/Kg as CaCo3
Specific Conductance		7280	μMHOS/cm
Total Mercury		0.33	mg/Kg
CL		2130	mg/Kg
Fluoride		<5.0	mg/Kg
Nitrate-N		<5.0	mg/Kg
Sulfate		1320	mg/Kg
Dissolved Calcium		92300	mg/L
Dissolved Magnesium		8085	mg/L
Dissolved Potassium		888	mg/L
Dissolved Sodium		7582	mg/L

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Sample 170576 continued ...

Param	Flag	Result	Units
Total Dissolved Solids		5210	mg/L
Total Arsenic		<5	mg/Kg
Total Barium		748	mg/Kg
Total Cadmium		<2	mg/Kg
Total Chromium		309	mg/Kg
Total Lead		261	mg/Kg
Total Selenium		<5	mg/Kg
Total Silver		<1	mg/Kg
pH		6.9	s.u.

Sample: 170577 - 0105030850

Param	Flag	Result	Units
Bromochloromethane		<500	µg/Kg
Dichlorodifluoromethane		<500	µg/Kg
Chloromethane (methyl chloride)		<500	µg/Kg
Vinyl Chloride		<500	µg/Kg
Bromomethane (methyl bromide)		<500	µg/Kg
Chloroethane		<500	µg/Kg
Trichlorofluoromethane		<500	µg/Kg
Acetone		<5000	µg/Kg
Iodomethane (methyl iodide)		<2500	µg/Kg
Carbon Disulfide		<500	µg/Kg
Acrylonitrile		<500	µg/Kg
2-Butanone (MEK)		<2500	µg/Kg
4-methyl-2-pentanone (MIBK)		<2500	µg/Kg
2-hexanone		<2500	µg/Kg
trans 1,4-Dichloro-2-butene		<5000	µg/Kg
1,1-Dichloroethene		<500	µg/Kg
Methylene chloride		<2500	µg/Kg
MTBE		<500	µg/Kg
trans-1,2-Dichloroethene		<500	µg/Kg
1,1-Dichloroethane		<500	µg/Kg
cis-1,2-Dichloroethene		<500	µg/Kg
2,2-Dichloropropane		<500	µg/Kg
1,2-Dichloroethane (EDC)		<500	µg/Kg
Chloroform		<500	µg/Kg
1,1,1-Trichloroethane		<500	µg/Kg
1,1-Dichloropropene		<500	µg/Kg
Benzene		<500	µg/Kg
Carbon Tetrachloride		<500	µg/Kg
1,2-Dichloropropane		<500	µg/Kg
Trichloroethene (TCE)		<500	µg/Kg
Dibromomethane (methylene bromide)		<500	µg/Kg
Bromodichloromethane		<500	µg/Kg
2-Chloroethyl vinyl ether		<2500	µg/Kg
cis-1,3-Dichloropropene		<500	µg/Kg
trans-1,3-Dichloropropene		<500	µg/Kg
Toluene		<500	µg/Kg
1,1,2-Trichloroethane		<500	µg/Kg
1,3-Dichloropropane		<500	µg/Kg
Dibromochloromethane		<500	µg/Kg

Continued on next page ...

Sample 170577 continued ...

Param	Flag	Result	Units
1,2-Dibromoethane (EDB)		<500	µg/Kg
Tetrachloroethene (PCE)		<500	µg/Kg
Chlorobenzene		<500	µg/Kg
1,1,1,2-Tetrachloroethane		<500	µg/Kg
Ethylbenzene		3625	µg/Kg
m,p-Xylene		4155	µg/Kg
Bromoform		<500	µg/Kg
Styrene		<500	µg/Kg
o-Xylene		1370	µg/Kg
1,1,2,2-Tetrachloroethane		<500	µg/Kg
2-Chlorotoluene		<500	µg/Kg
1,2,3-Trichloropropane		<500	µg/Kg
Isopropylbenzene		3075	µg/Kg
Bromobenzene		<500	µg/Kg
n-Propylbenzene		6745	µg/Kg
1,3,5-Trimethylbenzene		8165	µg/Kg
tert-Butylbenzene		<500	µg/Kg
1,2,4-Trimethylbenzene		31315	µg/Kg
1,4-Dichlorobenzene (para)		<500	µg/Kg
sec-Butylbenzene		4630	µg/Kg
1,3-Dichlorobenzene		<500	µg/Kg
p-Isopropyltoluene		3605	µg/Kg
4-Chlorotoluene		<500	µg/Kg
1,2-Dichlorobenzene (ortho)		<500	µg/Kg
n-Butylbenzene		10375	µg/Kg
1,2-Dibromo-3-chloropropane		<2500	µg/Kg
1,2,3-Trichlorobenzene		<2500	µg/Kg
1,2,4-Trichlorobenzene		<2500	µg/Kg
Naphthalene		25820	µg/Kg
Hexachlorobutadiene		<2500	µg/Kg
Pyridine		<62.5	mg/Kg
n-Nitrosodimethylamine		<62.5	mg/Kg
2-Picoline		<62.5	mg/Kg
Methyl methanesulfonate		<62.5	mg/Kg
Ethyl methanesulfonate		<62.5	mg/Kg
Phenol		<62.5	mg/Kg
Aniline		<62.5	mg/Kg
bis (2-chloroethyl) ether		<62.5	mg/Kg
2-Chlorophenol		<62.5	mg/Kg
1,3-Dichlorobenzene		<62.5	mg/Kg
1,4-Dichlorobenzene		<62.5	mg/Kg
Benzyl alcohol		<62.5	mg/Kg
1,2-Dichlorobenzene		<62.5	mg/Kg
2-Methylphenol		<62.5	mg/Kg
bis (2-chloroisopropyl) ether		<62.5	mg/Kg
4-Methylphenol/3-Methylphenol		<62.5	mg/Kg
Acetophenone		<62.5	mg/Kg
n-Nitrosodi-n-propylamine		<62.5	mg/Kg
Hexachloroethane		<62.5	mg/Kg
Nitrobenzene		<62.5	mg/Kg
n-Nitrosopiperidine		<62.5	mg/Kg
Isophorone		<62.5	mg/Kg
2-Nitrophenol		<62.5	mg/Kg

Continued on next page ...

Sample 170577 continued ...

Param	Flag	Result	Units
2,4-Dimethylphenol		<62.5	mg/Kg
bis (2-chloroethoxy) methane		<62.5	mg/Kg
Benzoic acid		<62.5	mg/Kg
2,4-Dichlorophenol		<62.5	mg/Kg
1,2,4-Trichlorobenzene		<62.5	mg/Kg
a,a-Dimethylphenethylamine		<62.5	mg/Kg
Naphthalene		<62.5	mg/Kg
4-Chloroaniline		<62.5	mg/Kg
2,6-Dichlorophenol		<62.5	mg/Kg
Hexachlorobutadiene		<62.5	mg/Kg
n-Nitroso-di-n-butylamine		<62.5	mg/Kg
4-Chloro-3-methylphenol		<62.5	mg/Kg
1-Methylnaphthalene		147.04	mg/Kg
2-Methylnaphthalene		131.74	mg/Kg
1,2,4,5-Tetrachlorobenzene		<62.5	mg/Kg
Hexachlorocyclopentadiene		<62.5	mg/Kg
2,4,6-Trichlorophenol		<62.5	mg/Kg
2,4,5-Trichlorophenol		<62.5	mg/Kg
2-Chloronaphthalene		<62.5	mg/Kg
1-Chloronaphthalene		<62.5	mg/Kg
2-Nitroaniline		<62.5	mg/Kg
Dimethylphthalate		<62.5	mg/Kg
Acenaphthylene		<62.5	mg/Kg
2,6-Dinitrotoluene		<62.5	mg/Kg
3-Nitroaniline		<62.5	mg/Kg
Acenaphthene		<62.5	mg/Kg
2,4-Dinitrophenol		<62.5	mg/Kg
Dibenzofuran		<62.5	mg/Kg
Pentachlorobenzene		<62.5	mg/Kg
4-Nitrophenol		<62.5	mg/Kg
1-Naphthylamine		<62.5	mg/Kg
2,4-Dinitrotoluene		<62.5	mg/Kg
2-Naphthylamine		<62.5	mg/Kg
2,3,4,6-Tetrachlorophenol		<62.5	mg/Kg
Fluorene		<62.5	mg/Kg
Diethylphthalate		<62.5	mg/Kg
4-Chlorophenyl-phenylether		<62.5	mg/Kg
4-Nitroaniline		<62.5	mg/Kg
4,6-Dinitro-2-methylphenol		<62.5	mg/Kg
Diphenylamine		<62.5	mg/Kg
Diphenylhydrazine		<62.5	mg/Kg
4-Bromophenyl-phenylether		<62.5	mg/Kg
Phenacetin		<62.5	mg/Kg
Hexachlorobenzene		<62.5	mg/Kg
4-Aminobiphenyl		<62.5	mg/Kg
Pentachlorophenol		<62.5	mg/Kg
Pentachloronitrobenzene		<62.5	mg/Kg
Pronamide		<62.5	mg/Kg
Phenanthrene		77.91	mg/Kg
Anthracene		<62.5	mg/Kg
Di-n-butylphthalate		<62.5	mg/Kg
Fluoranthene		<62.5	mg/Kg
Benzidine		<62.5	mg/Kg

Continued on next page ...

Sample 170577 continued ...

Param	Flag	Result	Units
Pyrene		<62.5	mg/Kg
p-Dimethylaminoazobenzene		<62.5	mg/Kg
Butylbenzylphthalate		<62.5	mg/Kg
Benzo(a)anthracene		<62.5	mg/Kg
3,3-Dichlorobenzidine		<62.5	mg/Kg
Chrysene		<62.5	mg/Kg
Bis (2-ethylhexyl) phthalate		<62.5	mg/Kg
Di-n-octylphthalate		<62.5	mg/Kg
Benzo(b)fluoranthene		<62.5	mg/Kg
7,12-Dimethylbenz(a)anthracene		<62.5	mg/Kg
Benzo(k)fluoranthene		<62.5	mg/Kg
Benzo(a)pyrene		<62.5	mg/Kg
3-Methylcholanthrene		<62.5	mg/Kg
Dibenzo(a,j)acridine		<62.5	mg/Kg
Indeno(1,2,3-cd)pyrene		<62.5	mg/Kg
Dibenzo(a,h)anthracene		<62.5	mg/Kg
Benzo(g,h,i)perylene		<62.5	mg/Kg
Test Comments		<62.5	mg/Kg
Hydroxide Alkalinity		<1.0	mg/Kg as CaCo3
Carbonate Alkalinity		<1.0	mg/Kg as CaCo3
Bicarbonate Alkalinity		<1.0	mg/Kg as CaCo3
Total Alkalinity		<1.0	mg/Kg as CaCo3
Specific Conductance		32600	μMHOS/cm
Total Mercury		<0.19	mg/Kg
CL		6930	mg/Kg
Fluoride		<10	mg/Kg
Nitrate-N		<10	mg/Kg
Sulfate		22700	mg/Kg
Dissolved Calcium		16980	mg/L
Dissolved Magnesium		2341	mg/L
Dissolved Potassium		682	mg/L
Dissolved Sodium		8249	mg/L
Total Dissolved Solids		44300	mg/L
Total Arsenic		<5	mg/Kg
Total Barium		545	mg/Kg
Total Cadmium		< 5	mg/Kg
Total Chromium		<5	mg/Kg
Total Lead		75.7	mg/Kg
Total Selenium		<5	mg/Kg
Total Silver		<1	mg/Kg
pH	[3]	2.6	s.u.

Sample: 170578 - 0105030900

Param	Flag	Result	Units
Total Mercury		<0.19	mg/Kg
Total Arsenic		<5	mg/Kg
Total Barium		168	mg/Kg
Total Cadmium		< 5	mg/Kg
Total Chromium		24.6	mg/Kg

Continued on next page ...

[3]This sample was prepped at the same time as the other solid.

Sample 170578 continued ...

Param	Flag	Result	Units
Total Lead		70.9	mg/Kg
Total Selenium		<5	mg/Kg
Total Silver		<1	mg/Kg

Sample: 170579 - 0105030905

Param	Flag	Result	Units
Total Mercury		<0.19	mg/Kg
Total Arsenic		<5	mg/Kg
Total Barium		2250	mg/Kg
Total Cadmium		<2	mg/Kg
Total Chromium		275	mg/Kg
Total Lead		1080	mg/Kg
Total Selenium		<5	mg/Kg
Total Silver		<1	mg/Kg

Sample: 170580 - 0105030935

Param	Flag	Result	Units
Bromochloromethane		<500	µg/Kg
Dichlorodifluoromethane		<500	µg/Kg
Chloromethane (methyl chloride)		<500	µg/Kg
Vinyl Chloride		<500	µg/Kg
Bromomethane (methyl bromide)		<500	µg/Kg
Chloroethane		<500	µg/Kg
Trichlorofluoromethane		<500	µg/Kg
Acetone	[4]	7645	µg/Kg
Iodomethane (methyl iodide)		<2500	µg/Kg
Carbon Disulfide		<500	µg/Kg
Acrylonitrile		<500	µg/Kg
2-Butanone (MEK)		<2500	µg/Kg
4-methyl-2-pentanone (MIBK)		<2500	µg/Kg
2-hexanone		<2500	µg/Kg
trans 1,4-Dichloro-2-butene		<5000	µg/Kg
1,1-Dichloroethene		<500	µg/Kg
Methylene chloride		<2500	µg/Kg
MTBE		<500	µg/Kg
trans-1,2-Dichloroethene		<500	µg/Kg
1,1-Dichloroethane		<500	µg/Kg
cis-1,2-Dichloroethene		<500	µg/Kg
2,2-Dichloropropane		<500	µg/Kg
1,2-Dichloroethane (EDC)		<500	µg/Kg
Chloroform		<500	µg/Kg
1,1,1-Trichloroethane		<500	µg/Kg
1,1-Dichloropropene		<500	µg/Kg
Benzene		<500	µg/Kg
Carbon Tetrachloride		<500	µg/Kg
1,2-Dichloropropane		<500	µg/Kg

Continued on next page ...

[4] estimated concentration, RSD value above 15% on initial calibration

Sample 170580 continued ...

Param	Flag	Result	Units
Trichloroethene (TCE)		<500	µg/Kg
Dibromomethane (methylene bromide)		<500	µg/Kg
Bromodichloromethane		<500	µg/Kg
2-Chloroethyl vinyl ether		<2500	µg/Kg
cis-1,3-Dichloropropene		<500	µg/Kg
trans-1,3-Dichloropropene		<500	µg/Kg
Toluene		<500	µg/Kg
1,1,2-Trichloroethane		11475	µg/Kg
1,3-Dichloropropane		<500	µg/Kg
Dibromochloromethane		<500	µg/Kg
1,2-Dibromoethane (EDB)		<500	µg/Kg
Tetrachloroethene (PCE)		<500	µg/Kg
Chlorobenzene		<500	µg/Kg
1,1,1,2-Tetrachloroethane		<500	µg/Kg
Ethylbenzene		2370	µg/Kg
m,p-Xylene		7620	µg/Kg
Bromoform		<500	µg/Kg
Styrene		<500	µg/Kg
o-Xylene		3080	µg/Kg
1,1,2,2-Tetrachloroethane		<500	µg/Kg
2-Chlorotoluene		<500	µg/Kg
1,2,3-Trichloropropane		<500	µg/Kg
Isopropylbenzene		<500	µg/Kg
Bromobenzene		<500	µg/Kg
n-Propylbenzene		915	µg/Kg
1,3,5-Trimethylbenzene		1865	µg/Kg
tert-Butylbenzene		<500	µg/Kg
1,2,4-Trimethylbenzene		6465	µg/Kg
1,4-Dichlorobenzene (para)		915	µg/Kg
sec-Butylbenzene		<500	µg/Kg
1,3-Dichlorobenzene		<500	µg/Kg
p-Isopropyltoluene		<500	µg/Kg
4-Chlorotoluene		<500	µg/Kg
1,2-Dichlorobenzene (ortho)		<500	µg/Kg
n-Butylbenzene		<500	µg/Kg
1,2-Dibromo-3-chloropropane		<2500	µg/Kg
1,2,3-Trichlorobenzene		<2500	µg/Kg
1,2,4-Trichlorobenzene		<2500	µg/Kg
Naphthalene		4165	µg/Kg
Hexachlorobutadiene		<2500	µg/Kg
Pyridine		<250	mg/Kg
n-Nitrosodimethylamine		<250	mg/Kg
2-Picoline		<250	mg/Kg
Methyl methanesulfonate		<250	mg/Kg
Ethyl methanesulfonate		<250	mg/Kg
Phenol		<250	mg/Kg
Aniline		<250	mg/Kg
bis (2-chloroethyl) ether		<250	mg/Kg
2-Chlorophenol		<250	mg/Kg
1,3-Dichlorobenzene		<250	mg/Kg
1,4-Dichlorobenzene		<250	mg/Kg
Benzyl alcohol		<250	mg/Kg
1,2-Dichlorobenzene		<250	mg/Kg

Continued on next page ...

Sample 170580 continued ...

Param	Flag	Result	Units
2-Methylphenol		<250	mg/Kg
bis (2-chloroisopropyl) ether		<250	mg/Kg
4-Methylphenol/3-Methylphenol		<250	mg/Kg
Acetophenone		<250	mg/Kg
n-Nitrosodi-n-propylamine		<250	mg/Kg
Hexachloroethane		<250	mg/Kg
Nitrobenzene		<250	mg/Kg
n-Nitrosopiperidine		<250	mg/Kg
Isophorone		<250	mg/Kg
2-Nitrophenol		<250	mg/Kg
2,4-Dimethylphenol		<250	mg/Kg
bis (2-chloroethoxy) methane		<250	mg/Kg
Benzoic acid		<250	mg/Kg
2,4-Dichlorophenol		<250	mg/Kg
1,2,4-Trichlorobenzene		<250	mg/Kg
a,a-Dimethylphenethylamine		<250	mg/Kg
Naphthalene		<250	mg/Kg
4-Chloroaniline		<250	mg/Kg
2,6-Dichlorophenol		<250	mg/Kg
Hexachlorobutadiene		<250	mg/Kg
n-Nitroso-di-n-butylamine		<250	mg/Kg
4-Chloro-3-methylphenol		<250	mg/Kg
1-Methylnaphthalene		<250	mg/Kg
2-Methylnaphthalene		<250	mg/Kg
1,2,4,5-Tetrachlorobenzene		<250	mg/Kg
Hexachlorocyclopentadiene		<250	mg/Kg
2,4,6-Trichlorophenol		<250	mg/Kg
2,4,5-Trichlorophenol		<250	mg/Kg
2-Chloronaphthalene		<250	mg/Kg
1-Chloronaphthalene		<250	mg/Kg
2-Nitroaniline		<250	mg/Kg
Dimethylphthalate		<250	mg/Kg
Acenaphthylene		<250	mg/Kg
2,6-Dinitrotoluene		<250	mg/Kg
3-Nitroaniline		<250	mg/Kg
Acenaphthene		<250	mg/Kg
2,4-Dinitrophenol		<250	mg/Kg
Dibenzofuran		<250	mg/Kg
Pentachlorobenzene		<250	mg/Kg
4-Nitrophenol		<250	mg/Kg
1-Naphthylamine		<250	mg/Kg
2,4-Dinitrotoluene		<250	mg/Kg
2-Naphthylamine		<250	mg/Kg
2,3,4,6-Tetrachlorophenol		<250	mg/Kg
Fluorene		<250	mg/Kg
Diethylphthalate		<250	mg/Kg
4-Chlorophenyl-phenylether		<250	mg/Kg
4-Nitroaniline		<250	mg/Kg
4,6-Dinitro-2-methylphenol		<250	mg/Kg
Diphenylamine		<250	mg/Kg
Diphenylhydrazine		<250	mg/Kg
4-Bromophenyl-phenylether		<250	mg/Kg
Phenacetin		<250	mg/Kg

Continued on next page ...

Sample 170580 continued ...

Param	Flag	Result	Units
Hexachlorobenzene		<250	mg/Kg
4-Aminobiphenyl		<250	mg/Kg
Pentachlorophenol		<250	mg/Kg
Pentachloronitrobenzene		<250	mg/Kg
Pronamide		<250	mg/Kg
Phenanthrene		<250	mg/Kg
Anthracene		<250	mg/Kg
Di-n-butylphthalate		<250	mg/Kg
Fluoranthene		<250	mg/Kg
Benzidine		<250	mg/Kg
Pyrene		<250	mg/Kg
p-Dimethylaminoazobenzene		<250	mg/Kg
Butylbenzylphthalate		<250	mg/Kg
Benzo(a)anthracene		<250	mg/Kg
3,3-Dichlorobenzidine		<250	mg/Kg
Chrysene		<250	mg/Kg
Bis (2-ethylhexyl) phthalate		<250	mg/Kg
Di-n-octylphthalate		<250	mg/Kg
Benzo(b)fluoranthene		<250	mg/Kg
7,12-Dimethylbenz(a)anthracene		<250	mg/Kg
Benzo(k)fluoranthene		<250	mg/Kg
Benzo(a)pyrene		<250	mg/Kg
3-Methylcholanthrene		<250	mg/Kg
Dibenzo(a,j)acridine		<250	mg/Kg
Indeno(1,2,3-cd)pyrene		<250	mg/Kg
Dibenzo(a,h)anthracene		<250	mg/Kg
Benzo(g,h,i)perylene		<250	mg/Kg
Corrosivity		non	mm/yr
pH		5.76	s.u.
Ignitability		non-ignitable	
Reactivity		Non-reactive	
Hydrogen Sulfide		<10	mg/Kg
Hydrogen Cyanide		<2.5	mg/Kg
TCLP Mercury		<0.010	mg/L
TCLP Arsenic		<1	mg/L
TCLP Barium		<1	mg/L
TCLP Cadmium		<0.2	mg/L
TCLP Chromium		<1	mg/L
TCLP Lead		<1	mg/L
TCLP Selenium		<1	mg/L
TCLP Silver		<0.5	mg/L
Pyridine		<0.05	mg/L
1,4-Dichlorobenzene		<0.05	mg/L
o-Cresol		<0.05	mg/L
m,p-Cresol		<0.05	mg/L
Hexachloroethane		<0.05	mg/L
Nitrobenzene		<0.05	mg/L
Hexachlorobutadiene		<0.05	mg/L
2,4,6-Trichlorophenol		<0.05	mg/L
2,4,5-Trichlorophenol		<0.05	mg/L
2,4-Dinitrotoluene		<0.05	mg/L
2,4-D		<0.05	mg/L
Hexachlorobenzene		<0.05	mg/L

Continued on next page ...

Sample 170580 continued ...

Param	Flag	Result	Units
2,4,5-TP		<0.05	mg/L
Pentachlorophenol		<0.05	mg/L
Vinyl Chloride		<0.05	mg/L
1,1-Dichloroethene		<0.05	mg/L
Methyl ethyl ketone		<0.50	mg/L
Chloroform		<0.05	mg/L
1,2-Dichloroethane (EDC)		<0.05	mg/L
Benzene		<0.05	mg/L
Carbon Tetrachloride		<0.05	mg/L
Trichloroethene (TCE)		<0.05	mg/L
Tetrachloroethene (PCE)		<0.05	mg/L
Chlorobenzene		<0.05	mg/L
1,4-Dichlorobenzene		<0.05	mg/L
Total Arsenic		<10	mg/Kg
Total Barium		74.3	mg/Kg
Total Cadmium		<5.0	mg/Kg
Total Chromium		5.34	mg/Kg
Total Lead		22.3	mg/Kg
Total Selenium		<10	mg/Kg
Total Silver		<2.5	mg/Kg

Sample 170576 continued ...

Param	Flag	Result	Units
trans-1,2-Dichloroethene		<5000	µg/Kg
1,1-Dichloroethane		<5000	µg/Kg
cis-1,2-Dichloroethene		<5000	µg/Kg
2,2-Dichloropropane		<5000	µg/Kg
1,2-Dichloroethane (EDC)		<5000	µg/Kg
Chloroform		<5000	µg/Kg
1,1,1-Trichloroethane		<5000	µg/Kg
1,1-Dichloropropene		<5000	µg/Kg
Benzene		7600	µg/Kg
Carbon Tetrachloride		<5000	µg/Kg
1,2-Dichloropropane		<5000	µg/Kg
Trichloroethene (TCE)		<5000	µg/Kg
Dibromomethane (methylene bromide)		<5000	µg/Kg
Bromodichloromethane		<5000	µg/Kg
2-Chloroethyl vinyl ether		<25000	µg/Kg
cis-1,3-Dichloropropene		<5000	µg/Kg
trans-1,3-Dichloropropene		<5000	µg/Kg
Toluene	2	1729000	µg/Kg
1,1,2-Trichloroethane		<5000	µg/Kg
1,3-Dichloropropane		<5000	µg/Kg
Dibromochloromethane		<5000	µg/Kg
1,2-Dibromoethane (EDB)		<5000	µg/Kg
Tetrachloroethene (PCE)		<5000	µg/Kg
Chlorobenzene		<5000	µg/Kg
1,1,1,2-Tetrachloroethane		<5000	µg/Kg
Ethylbenzene		192800	µg/Kg
m,p-Xylene		668550	µg/Kg
Bromoform		<5000	µg/Kg
Styrene		<5000	µg/Kg
o-Xylene		199750	µg/Kg
1,1,2,2-Tetrachloroethane		<5000	µg/Kg
2-Chlorotoluene		<5000	µg/Kg
1,2,3-Trichloropropane		<5000	µg/Kg
Isopropylbenzene		20750	µg/Kg
Bromobenzene		<5000	µg/Kg
n-Propylbenzene		50100	µg/Kg
1,3,5-Trimethylbenzene		94650	µg/Kg
tert-Butylbenzene		<5000	µg/Kg
1,2,4-Trimethylbenzene		257250	µg/Kg
1,4-Dichlorobenzene (para)		<5000	µg/Kg
sec-Butylbenzene		10400	µg/Kg
1,3-Dichlorobenzene		<5000	µg/Kg
p-Isopropyltoluene		<5000	µg/Kg
4-Chlorotoluene		<5000	µg/Kg
1,2-Dichlorobenzene (ortho)		<5000	µg/Kg
n-Butylbenzene		14800	µg/Kg
1,2-Dibromo-3-chloropropane		<25000	µg/Kg
1,2,3-Trichlorobenzene		<25000	µg/Kg
1,2,4-Trichlorobenzene		<25000	µg/Kg
Naphthalene		<25000	µg/Kg
Hexachlorobutadiene		<25000	µg/Kg
Pyridine		<62.5	mg/Kg

Continued on next page ...

[2]estimated concentration, response above standard range

Sample 170576 continued ...

Param	Flag	Result	Units
n-Nitrosodimethylamine		<62.5	mg/Kg
2-Picoline		<62.5	mg/Kg
Methyl methanesulfonate		<62.5	mg/Kg
Ethyl methanesulfonate		<62.5	mg/Kg
Phenol		<62.5	mg/Kg
Aniline		<62.5	mg/Kg
bis (2-chloroethyl) ether		<62.5	mg/Kg
2-Chlorophenol		<62.5	mg/Kg
1,3-Dichlorobenzene		<62.5	mg/Kg
1,4-Dichlorobenzene		<62.5	mg/Kg
Benzyl alcohol		<62.5	mg/Kg
1,2-Dichlorobenzene		<62.5	mg/Kg
2-Methylphenol		<62.5	mg/Kg
bis (2-chloroisopropyl) ether		<62.5	mg/Kg
4-Methylphenol/3-Methylphenol		<62.5	mg/Kg
Acetophenone		<62.5	mg/Kg
n-Nitrosodi-n-propylamine		<62.5	mg/Kg
Hexachloroethane		<62.5	mg/Kg
Nitrobenzene		<62.5	mg/Kg
n-Nitrosopiperidine		<62.5	mg/Kg
Isophorone		<62.5	mg/Kg
2-Nitrophenol		<62.5	mg/Kg
2,4-Dimethylphenol		<62.5	mg/Kg
bis (2-chloroethoxy) methane		<62.5	mg/Kg
Benzoic acid		<62.5	mg/Kg
2,4-Dichlorophenol		<62.5	mg/Kg
1,2,4-Trichlorobenzene		<62.5	mg/Kg
a,a-Dimethylphenethylamine		<62.5	mg/Kg
Naphthalene		<62.5	mg/Kg
4-Chloroaniline		<62.5	mg/Kg
2,6-Dichlorophenol		<62.5	mg/Kg
Hexachlorobutadiene		<62.5	mg/Kg
n-Nitroso-di-n-butylamine		<62.5	mg/Kg
4-Chloro-3-methylphenol		<62.5	mg/Kg
1-Methylnaphthalene		89.92	mg/Kg
2-Methylnaphthalene		85.06	mg/Kg
1,2,4,5-Tetrachlorobenzene		<62.5	mg/Kg
Hexachlorocyclopentadiene		<62.5	mg/Kg
2,4,6-Trichlorophenol		<62.5	mg/Kg
2,4,5-Trichlorophenol		<62.5	mg/Kg
2-Chloronaphthalene		<62.5	mg/Kg
1-Chloronaphthalene		<62.5	mg/Kg
2-Nitroaniline		<62.5	mg/Kg
Dimethylphthalate		<62.5	mg/Kg
Acenaphthylene		<62.5	mg/Kg
2,6-Dinitrotoluene		<62.5	mg/Kg
3-Nitroaniline		<62.5	mg/Kg
Acenaphthene		<62.5	mg/Kg
2,4-Dinitrophenol		<62.5	mg/Kg
Dibenzofuran		<62.5	mg/Kg
Pentachlorobenzene		<62.5	mg/Kg
4-Nitrophenol		<62.5	mg/Kg
1-Naphthylamine		<62.5	mg/Kg

Continued on next page ...

Sample 170576 continued ...

Param	Flag	Result	Units
2,4-Dinitrotoluene		<62.5	mg/Kg
2-Naphthylamine		<62.5	mg/Kg
2,3,4,6-Tetrachlorophenol		<62.5	mg/Kg
Fluorene		<62.5	mg/Kg
Diethylphthalate		<62.5	mg/Kg
4-Chlorophenyl-phenylether		<62.5	mg/Kg
4-Nitroaniline		<62.5	mg/Kg
4,6-Dinitro-2-methylphenol		<62.5	mg/Kg
Diphenylamine		<62.5	mg/Kg
Diphenylhydrazine		<62.5	mg/Kg
4-Bromophenyl-phenylether		<62.5	mg/Kg
Phenacetin		<62.5	mg/Kg
Hexachlorobenzene		<62.5	mg/Kg
4-Aminobiphenyl		<62.5	mg/Kg
Pentachlorophenol		<62.5	mg/Kg
Pentachloronitrobenzene		<62.5	mg/Kg
Pronamide		<62.5	mg/Kg
Phenanthrene		<62.5	mg/Kg
Anthracene		<62.5	mg/Kg
Di-n-butylphthalate		<62.5	mg/Kg
Fluoranthene		<62.5	mg/Kg
Benzidine		<62.5	mg/Kg
Pyrene		<62.5	mg/Kg
p-Dimethylaminoazobenzene		<62.5	mg/Kg
Butylbenzylphthalate		<62.5	mg/Kg
Benzo(a)anthracene		<62.5	mg/Kg
3,3-Dichlorobenzidine		<62.5	mg/Kg
Chrysene		<62.5	mg/Kg
Bis (2-ethylhexyl) phthalate		<62.5	mg/Kg
Di-n-octylphthalate		<62.5	mg/Kg
Benzo(b)fluoranthene		<62.5	mg/Kg
7,12-Dimethylbenz(a)anthracene		<62.5	mg/Kg
Benzo(k)fluoranthene		<62.5	mg/Kg
Benzo(a)pyrene		<62.5	mg/Kg
3-Methylcholanthrene		<62.5	mg/Kg
Dibenzo(a,j)acridine		<62.5	mg/Kg
Indeno(1,2,3-cd)pyrene		<62.5	mg/Kg
Dibenzo(a,h)anthracene		<62.5	mg/Kg
Benzo(g,h,i)perylene		<62.5	mg/Kg
Hydroxide Alkalinity		<1.0	mg/Kg as CaCo3
Carbonate Alkalinity		<1.0	mg/Kg as CaCo3
Bicarbonate Alkalinity		38	mg/Kg as CaCo3
Total Alkalinity		38	mg/Kg as CaCo3
Specific Conductance		7280	μMHOS/cm
Total Mercury		0.33	mg/Kg
CL		2130	mg/Kg
Fluoride		<5.0	mg/Kg
Nitrate-N		<5.0	mg/Kg
Sulfate		1320	mg/Kg
Dissolved Calcium		92300	mg/L
Dissolved Magnesium		8085	mg/L
Dissolved Potassium		888	mg/L
Dissolved Sodium		7582	mg/L

Continued on next page ...

Sample 170576 continued ...

Param	Flag	Result	Units
Total Dissolved Solids		5210	mg/L
Total Arsenic		<5	mg/Kg
Total Barium		748	mg/Kg
Total Cadmium		<2	mg/Kg
Total Chromium		309	mg/Kg
Total Lead		261	mg/Kg
Total Selenium		<5	mg/Kg
Total Silver		<1	mg/Kg
pH		6.9	s.u.

Sample: 170577 - 0105030850

Param	Flag	Result	Units
Bromochloromethane		<500	µg/Kg
Dichlorodifluoromethane		<500	µg/Kg
Chloromethane (methyl chloride)		<500	µg/Kg
Vinyl Chloride		<500	µg/Kg
Bromomethane (methyl bromide)		<500	µg/Kg
Chloroethane		<500	µg/Kg
Trichlorofluoromethane		<500	µg/Kg
Acetone		<5000	µg/Kg
Iodomethane (methyl iodide)		<2500	µg/Kg
Carbon Disulfide		<500	µg/Kg
Acrylonitrile		<500	µg/Kg
2-Butanone (MEK)		<2500	µg/Kg
4-methyl-2-pentanone (MIBK)		<2500	µg/Kg
2-hexanone		<2500	µg/Kg
trans 1,4-Dichloro-2-butene		<5000	µg/Kg
1,1-Dichloroethene		<500	µg/Kg
Methylene chloride		<2500	µg/Kg
MTBE		<500	µg/Kg
trans-1,2-Dichloroethene		<500	µg/Kg
1,1-Dichloroethane		<500	µg/Kg
cis-1,2-Dichloroethene		<500	µg/Kg
2,2-Dichloropropane		<500	µg/Kg
1,2-Dichloroethane (EDC)		<500	µg/Kg
Chloroform		<500	µg/Kg
1,1,1-Trichloroethane		<500	µg/Kg
1,1-Dichloropropene		<500	µg/Kg
Benzene		<500	µg/Kg
Carbon Tetrachloride		<500	µg/Kg
1,2-Dichloropropane		<500	µg/Kg
Trichloroethene (TCE)		<500	µg/Kg
Dibromomethane (methylene bromide)		<500	µg/Kg
Bromodichloromethane		<500	µg/Kg
2-Chloroethyl vinyl ether		<2500	µg/Kg
cis-1,3-Dichloropropene		<500	µg/Kg
trans-1,3-Dichloropropene		<500	µg/Kg
Toluene		<500	µg/Kg
1,1,2-Trichloroethane		<500	µg/Kg
1,3-Dichloropropane		<500	µg/Kg
Dibromochloromethane		<500	µg/Kg

Continued on next page ...

Sample 170577 continued ...

Param	Flag	Result	Units
1,2-Dibromoethane (EDB)		<500	µg/Kg
Tetrachloroethene (PCE)		<500	µg/Kg
Chlorobenzene		<500	µg/Kg
1,1,1,2-Tetrachloroethane		<500	µg/Kg
Ethylbenzene		3625	µg/Kg
m,p-Xylene		4155	µg/Kg
Bromoform		<500	µg/Kg
Styrene		<500	µg/Kg
o-Xylene		1370	µg/Kg
1,1,2,2-Tetrachloroethane		<500	µg/Kg
2-Chlorotoluene		<500	µg/Kg
1,2,3-Trichloropropane		<500	µg/Kg
Isopropylbenzene		3075	µg/Kg
Bromobenzene		<500	µg/Kg
n-Propylbenzene		6745	µg/Kg
1,3,5-Trimethylbenzene		8165	µg/Kg
tert-Butylbenzene		<500	µg/Kg
1,2,4-Trimethylbenzene		31315	µg/Kg
1,4-Dichlorobenzene (para)		<500	µg/Kg
sec-Butylbenzene		4630	µg/Kg
1,3-Dichlorobenzene		<500	µg/Kg
p-Isopropyltoluene		3605	µg/Kg
4-Chlorotoluene		<500	µg/Kg
1,2-Dichlorobenzene (ortho)		<500	µg/Kg
n-Butylbenzene		10375	µg/Kg
1,2-Dibromo-3-chloropropane		<2500	µg/Kg
1,2,3-Trichlorobenzene		<2500	µg/Kg
1,2,4-Trichlorobenzene		<2500	µg/Kg
Naphthalene		25820	µg/Kg
Hexachlorobutadiene		<2500	µg/Kg
Pyridine		<62.5	mg/Kg
n-Nitrosodimethylamine		<62.5	mg/Kg
2-Picoline		<62.5	mg/Kg
Methyl methanesulfonate		<62.5	mg/Kg
Ethyl methanesulfonate		<62.5	mg/Kg
Phenol		<62.5	mg/Kg
Aniline		<62.5	mg/Kg
bis (2-chloroethyl) ether		<62.5	mg/Kg
2-Chlorophenol		<62.5	mg/Kg
1,3-Dichlorobenzene		<62.5	mg/Kg
1,4-Dichlorobenzene		<62.5	mg/Kg
Benzyl alcohol		<62.5	mg/Kg
1,2-Dichlorobenzene		<62.5	mg/Kg
2-Methylphenol		<62.5	mg/Kg
bis (2-chloroisopropyl) ether		<62.5	mg/Kg
4-Methylphenol/3-Methylphenol		<62.5	mg/Kg
Acetophenone		<62.5	mg/Kg
n-Nitrosodi-n-propylamine		<62.5	mg/Kg
Hexachloroethane		<62.5	mg/Kg
Nitrobenzene		<62.5	mg/Kg
n-Nitrosopiperidine		<62.5	mg/Kg
Isophorone		<62.5	mg/Kg
2-Nitrophenol		<62.5	mg/Kg

Continued on next page ...

Sample 170577 continued ...

Param	Flag	Result	Units
2,4-Dimethylphenol		<62.5	mg/Kg
bis (2-chloroethoxy) methane		<62.5	mg/Kg
Benzoic acid		<62.5	mg/Kg
2,4-Dichlorophenol		<62.5	mg/Kg
1,2,4-Trichlorobenzene		<62.5	mg/Kg
a,a-Dimethylphenethylamine		<62.5	mg/Kg
Naphthalene		<62.5	mg/Kg
4-Chloroaniline		<62.5	mg/Kg
2,6-Dichlorophenol		<62.5	mg/Kg
Hexachlorobutadiene		<62.5	mg/Kg
n-Nitroso-di-n-butylamine		<62.5	mg/Kg
4-Chloro-3-methylphenol		<62.5	mg/Kg
1-Methylnaphthalene		147.04	mg/Kg
2-Methylnaphthalene		131.74	mg/Kg
1,2,4,5-Tetrachlorobenzene		<62.5	mg/Kg
Hexachlorocyclopentadiene		<62.5	mg/Kg
2,4,6-Trichlorophenol		<62.5	mg/Kg
2,4,5-Trichlorophenol		<62.5	mg/Kg
2-Chloronaphthalene		<62.5	mg/Kg
1-Chloronaphthalene		<62.5	mg/Kg
2-Nitroaniline		<62.5	mg/Kg
Dimethylphthalate		<62.5	mg/Kg
Acenaphthylene		<62.5	mg/Kg
2,6-Dinitrotoluene		<62.5	mg/Kg
3-Nitroaniline		<62.5	mg/Kg
Acenaphthene		<62.5	mg/Kg
2,4-Dinitrophenol		<62.5	mg/Kg
Dibenzofuran		<62.5	mg/Kg
Pentachlorobenzene		<62.5	mg/Kg
4-Nitrophenol		<62.5	mg/Kg
1-Naphthylamine		<62.5	mg/Kg
2,4-Dinitrotoluene		<62.5	mg/Kg
2-Naphthylamine		<62.5	mg/Kg
2,3,4,6-Tetrachlorophenol		<62.5	mg/Kg
Fluorene		<62.5	mg/Kg
Diethylphthalate		<62.5	mg/Kg
4-Chlorophenyl-phenylether		<62.5	mg/Kg
4-Nitroaniline		<62.5	mg/Kg
4,6-Dinitro-2-methylphenol		<62.5	mg/Kg
Diphenylamine		<62.5	mg/Kg
Diphenylhydrazine		<62.5	mg/Kg
4-Bromophenyl-phenylether		<62.5	mg/Kg
Phenacetin		<62.5	mg/Kg
Hexachlorobenzene		<62.5	mg/Kg
4-Aminobiphenyl		<62.5	mg/Kg
Pentachlorophenol		<62.5	mg/Kg
Pentachloronitrobenzene		<62.5	mg/Kg
Pronamide		<62.5	mg/Kg
Phenanthrene		77.91	mg/Kg
Anthracene		<62.5	mg/Kg
Di-n-butylphthalate		<62.5	mg/Kg
Fluoranthene		<62.5	mg/Kg
Benzidine		<62.5	mg/Kg

Continued on next page ...

Sample 170577 continued ...

Param	Flag	Result	Units
Pyrene		<62.5	mg/Kg
p-Dimethylaminoazobenzene		<62.5	mg/Kg
Butylbenzylphthalate		<62.5	mg/Kg
Benzo(a)anthracene		<62.5	mg/Kg
3,3-Dichlorobenzidine		<62.5	mg/Kg
Chrysene		<62.5	mg/Kg
Bis (2-ethylhexyl) phthalate		<62.5	mg/Kg
Di-n-octylphthalate		<62.5	mg/Kg
Benzo(b)fluoranthene		<62.5	mg/Kg
7,12-Dimethylbenz(a)anthracene		<62.5	mg/Kg
Benzo(k)fluoranthene		<62.5	mg/Kg
Benzo(a)pyrene		<62.5	mg/Kg
3-Methylcholanthrene		<62.5	mg/Kg
Dibenzo(a,j)acridine		<62.5	mg/Kg
Indeno(1,2,3-cd)pyrene		<62.5	mg/Kg
Dibenzo(a,h)anthracene		<62.5	mg/Kg
Benzo(g,h,i)perylene		<62.5	mg/Kg
Test Comments		<62.5	mg/Kg
Hydroxide Alkalinity		<1.0	mg/Kg as CaCo3
Carbonate Alkalinity		<1.0	mg/Kg as CaCo3
Bicarbonate Alkalinity		<1.0	mg/Kg as CaCo3
Total Alkalinity		<1.0	mg/Kg as CaCo3
Specific Conductance		32600	μMHOS/cm
Total Mercury		<0.19	mg/Kg
CL		6930	mg/Kg
Fluoride		<10	mg/Kg
Nitrate-N		<10	mg/Kg
Sulfate		22700	mg/Kg
Dissolved Calcium		16980	mg/L
Dissolved Magnesium		2341	mg/L
Dissolved Potassium		682	mg/L
Dissolved Sodium		8249	mg/L
Total Dissolved Solids		44300	mg/L
Total Arsenic		<5	mg/Kg
Total Barium		545	mg/Kg
Total Cadmium		< 5	mg/Kg
Total Chromium		<5	mg/Kg
Total Lead		75.7	mg/Kg
Total Selenium		<5	mg/Kg
Total Silver		<1	mg/Kg
pH	[3]	2.6	s.u.

Sample: 170578 - 0105030900

Param	Flag	Result	Units
Total Mercury		<0.19	mg/Kg
Total Arsenic		<5	mg/Kg
Total Barium		168	mg/Kg
Total Cadmium		< 5	mg/Kg
Total Chromium		24.6	mg/Kg

Continued on next page ...

[3]This sample was prepped at the same time as the other solid.

Sample 170578 continued ...

Param	Flag	Result	Units
Total Lead		70.9	mg/Kg
Total Selenium		<5	mg/Kg
Total Silver		<1	mg/Kg

Sample: 170579 - 0105030905

Param	Flag	Result	Units
Total Mercury		<0.19	mg/Kg
Total Arsenic		<5	mg/Kg
Total Barium		2250	mg/Kg
Total Cadmium		<2	mg/Kg
Total Chromium		275	mg/Kg
Total Lead		1080	mg/Kg
Total Selenium		<5	mg/Kg
Total Silver		<1	mg/Kg

Sample: 170580 - 0105030935

Param	Flag	Result	Units
Bromochloromethane		<500	µg/Kg
Dichlorodifluoromethane		<500	µg/Kg
Chloromethane (methyl chloride)		<500	µg/Kg
Vinyl Chloride		<500	µg/Kg
Bromomethane (methyl bromide)		<500	µg/Kg
Chloroethane		<500	µg/Kg
Trichlorofluoromethane		<500	µg/Kg
Acetone	[4]	7645	µg/Kg
Iodomethane (methyl iodide)		<2500	µg/Kg
Carbon Disulfide		<500	µg/Kg
Acrylonitrile		<500	µg/Kg
2-Butanone (MEK)		<2500	µg/Kg
4-methyl-2-pentanone (MIBK)		<2500	µg/Kg
2-hexanone		<2500	µg/Kg
trans 1,4-Dichloro-2-butene		<5000	µg/Kg
1,1-Dichloroethene		<500	µg/Kg
Methylene chloride		<2500	µg/Kg
MTBE		<500	µg/Kg
trans-1,2-Dichloroethene		<500	µg/Kg
1,1-Dichloroethane		<500	µg/Kg
cis-1,2-Dichloroethene		<500	µg/Kg
2,2-Dichloropropane		<500	µg/Kg
1,2-Dichloroethane (EDC)		<500	µg/Kg
Chloroform		<500	µg/Kg
1,1,1-Trichloroethane		<500	µg/Kg
1,1-Dichloropropene		<500	µg/Kg
Benzene		<500	µg/Kg
Carbon Tetrachloride		<500	µg/Kg
1,2-Dichloropropane		<500	µg/Kg

Continued on next page ...

[4]estimated concentration, RSD value above 15% on initial calibration

Sample 170580 continued ...

Param	Flag	Result	Units
Trichloroethene (TCE)		<500	µg/Kg
Dibromomethane (methylene bromide)		<500	µg/Kg
Bromodichloromethane		<500	µg/Kg
2-Chloroethyl vinyl ether		<2500	µg/Kg
cis-1,3-Dichloropropene		<500	µg/Kg
trans-1,3-Dichloropropene		<500	µg/Kg
Toluene		<500	µg/Kg
1,1,2-Trichloroethane		11475	µg/Kg
1,3-Dichloropropane		<500	µg/Kg
Dibromochloromethane		<500	µg/Kg
1,2-Dibromoethane (EDB)		<500	µg/Kg
Tetrachloroethene (PCE)		<500	µg/Kg
Chlorobenzene		<500	µg/Kg
1,1,1,2-Tetrachloroethane		<500	µg/Kg
Ethylbenzene		2370	µg/Kg
m,p-Xylene		7620	µg/Kg
Bromoform		<500	µg/Kg
Styrene		<500	µg/Kg
o-Xylene		3080	µg/Kg
1,1,2,2-Tetrachloroethane		<500	µg/Kg
2-Chlorotoluene		<500	µg/Kg
1,2,3-Trichloropropane		<500	µg/Kg
Isopropylbenzene		<500	µg/Kg
Bromobenzene		<500	µg/Kg
n-Propylbenzene		915	µg/Kg
1,3,5-Trimethylbenzene		1865	µg/Kg
tert-Butylbenzene		<500	µg/Kg
1,2,4-Trimethylbenzene		6465	µg/Kg
1,4-Dichlorobenzene (para)		915	µg/Kg
sec-Butylbenzene		<500	µg/Kg
1,3-Dichlorobenzene		<500	µg/Kg
p-Isopropyltoluene		<500	µg/Kg
4-Chlorotoluene		<500	µg/Kg
1,2-Dichlorobenzene (ortho)		<500	µg/Kg
n-Butylbenzene		<500	µg/Kg
1,2-Dibromo-3-chloropropane		<2500	µg/Kg
1,2,3-Trichlorobenzene		<2500	µg/Kg
1,2,4-Trichlorobenzene		<2500	µg/Kg
Naphthalene		4165	µg/Kg
Hexachlorobutadiene		<2500	µg/Kg
Pyridine		<250	mg/Kg
n-Nitrosodimethylamine		<250	mg/Kg
2-Picoline		<250	mg/Kg
Methyl methanesulfonate		<250	mg/Kg
Ethyl methanesulfonate		<250	mg/Kg
Phenol		<250	mg/Kg
Aniline		<250	mg/Kg
bis (2-chloroethyl) ether		<250	mg/Kg
2-Chlorophenol		<250	mg/Kg
1,3-Dichlorobenzene		<250	mg/Kg
1,4-Dichlorobenzene		<250	mg/Kg
Benzyl alcohol		<250	mg/Kg
1,2-Dichlorobenzene		<250	mg/Kg

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Sample 170580 continued ...

Param	Flag	Result	Units
2-Methylphenol		<250	mg/Kg
bis (2-chloroisopropyl) ether		<250	mg/Kg
4-Methylphenol/3-Methylphenol		<250	mg/Kg
Acetophenone		<250	mg/Kg
n-Nitrosodi-n-propylamine		<250	mg/Kg
Hexachloroethane		<250	mg/Kg
Nitrobenzene		<250	mg/Kg
n-Nitrosopiperidine		<250	mg/Kg
Isophorone		<250	mg/Kg
2-Nitrophenol		<250	mg/Kg
2,4-Dimethylphenol		<250	mg/Kg
bis (2-chloroethoxy) methane		<250	mg/Kg
Benzoic acid		<250	mg/Kg
2,4-Dichlorophenol		<250	mg/Kg
1,2,4-Trichlorobenzene		<250	mg/Kg
a,a-Dimethylphenethylamine		<250	mg/Kg
Naphthalene		<250	mg/Kg
4-Chloroaniline		<250	mg/Kg
2,6-Dichlorophenol		<250	mg/Kg
Hexachlorobutadiene		<250	mg/Kg
n-Nitroso-di-n-butylamine		<250	mg/Kg
4-Chloro-3-methylphenol		<250	mg/Kg
1-Methylnaphthalene		<250	mg/Kg
2-Methylnaphthalene		<250	mg/Kg
1,2,4,5-Tetrachlorobenzene		<250	mg/Kg
Hexachlorocyclopentadiene		<250	mg/Kg
2,4,6-Trichlorophenol		<250	mg/Kg
2,4,5-Trichlorophenol		<250	mg/Kg
2-Chloronaphthalene		<250	mg/Kg
1-Chloronaphthalene		<250	mg/Kg
2-Nitroaniline		<250	mg/Kg
Dimethylphthalate		<250	mg/Kg
Acenaphthylene		<250	mg/Kg
2,6-Dinitrotoluene		<250	mg/Kg
3-Nitroaniline		<250	mg/Kg
Acenaphthene		<250	mg/Kg
2,4-Dinitrophenol		<250	mg/Kg
Dibenzofuran		<250	mg/Kg
Pentachlorobenzene		<250	mg/Kg
4-Nitrophenol		<250	mg/Kg
1-Naphthylamine		<250	mg/Kg
2,4-Dinitrotoluene		<250	mg/Kg
2-Naphthylamine		<250	mg/Kg
2,3,4,6-Tetrachlorophenol		<250	mg/Kg
Fluorene		<250	mg/Kg
Diethylphthalate		<250	mg/Kg
4-Chlorophenyl-phenylether		<250	mg/Kg
4-Nitroaniline		<250	mg/Kg
4,6-Dinitro-2-methylphenol		<250	mg/Kg
Diphenylamine		<250	mg/Kg
Diphenylhydrazine		<250	mg/Kg
4-Bromophenyl-phenylether		<250	mg/Kg
Phenacetin		<250	mg/Kg

Continued on next page ...

Sample 170580 continued ...

Param	Flag	Result	Units
Hexachlorobenzene		<250	mg/Kg
4-Aminobiphenyl		<250	mg/Kg
Pentachlorophenol		<250	mg/Kg
Pentachloronitrobenzene		<250	mg/Kg
Pronamide		<250	mg/Kg
Phenanthrene		<250	mg/Kg
Anthracene		<250	mg/Kg
Di-n-butylphthalate		<250	mg/Kg
Fluoranthene		<250	mg/Kg
Benzidine		<250	mg/Kg
Pyrene		<250	mg/Kg
p-Dimethylaminoazobenzene		<250	mg/Kg
Butylbenzylphthalate		<250	mg/Kg
Benzo(a)anthracene		<250	mg/Kg
3,3-Dichlorobenzidine		<250	mg/Kg
Chrysene		<250	mg/Kg
Bis (2-ethylhexyl) phthalate		<250	mg/Kg
Di-n-octylphthalate		<250	mg/Kg
Benzo(b)fluoranthene		<250	mg/Kg
7,12-Dimethylbenz(a)anthracene		<250	mg/Kg
Benzo(k)fluoranthene		<250	mg/Kg
Benzo(a)pyrene		<250	mg/Kg
3-Methylcholanthrene		<250	mg/Kg
Dibenzo(a,j)acridine		<250	mg/Kg
Indeno(1,2,3-cd)pyrene		<250	mg/Kg
Dibenzo(a,h)anthracene		<250	mg/Kg
Benzo(g,h,i)perylene		<250	mg/Kg
Corrosivity		non	mm/yr
pH		5.76	s.u.
Ignitability		non-ignitable	
Reactivity		Non-reactive	
Hydrogen Sulfide		<10	mg/Kg
Hydrogen Cyanide		<2.5	mg/Kg
TCLP Mercury		<0.010	mg/L
TCLP Arsenic		<1	mg/L
TCLP Barium		<1	mg/L
TCLP Cadmium		<0.2	mg/L
TCLP Chromium		<1	mg/L
TCLP Lead		<1	mg/L
TCLP Selenium		<1	mg/L
TCLP Silver		<0.5	mg/L
Pyridine		<0.05	mg/L
1,4-Dichlorobenzene		<0.05	mg/L
o-Cresol		<0.05	mg/L
m,p-Cresol		<0.05	mg/L
Hexachloroethane		<0.05	mg/L
Nitrobenzene		<0.05	mg/L
Hexachlorobutadiene		<0.05	mg/L
2,4,6-Trichlorophenol		<0.05	mg/L
2,4,5-Trichlorophenol		<0.05	mg/L
2,4-Dinitrotoluene		<0.05	mg/L
2,4-D		<0.05	mg/L
Hexachlorobenzene		<0.05	mg/L

Continued on next page ...

Sample 170580 continued ...

Param	Flag	Result	Units
2,4,5-TP		<0.05	mg/L
Pentachlorophenol		<0.05	mg/L
Vinyl Chloride		<0.05	mg/L
1,1-Dichloroethene		<0.05	mg/L
Methyl ethyl ketone		<0.50	mg/L
Chloroform		<0.05	mg/L
1,2-Dichloroethane (EDC)		<0.05	mg/L
Benzene		<0.05	mg/L
Carbon Tetrachloride		<0.05	mg/L
Trichloroethene (TCE)		<0.05	mg/L
Tetrachloroethene (PCE)		<0.05	mg/L
Chlorobenzene		<0.05	mg/L
1,4-Dichlorobenzene		<0.05	mg/L
Total Arsenic		<10	mg/Kg
Total Barium		74.3	mg/Kg
Total Cadmium		<5.0	mg/Kg
Total Chromium		5.34	mg/Kg
Total Lead		22.3	mg/Kg
Total Selenium		<10	mg/Kg
Total Silver		<2.5	mg/Kg

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Analytical and Quality Control Report

Paul Sheeley
OCD
1220 S. Saint Francis Dr.
Santa Fe, NM 87504

Report Date: July 17, 2001

Order ID Number: A01050435

Project Number: N/A
Project Name: R&R Service Co.
Project Location: R&R Service Co.

Enclosed are the Analytical Results and Quality Control Data Reports for the following samples submitted to Trace-Analysis, Inc.

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
170575	0105030830	Solid	5/3/01	:	5/4/01
170576	0105030845	Solid	5/3/01	:	5/4/01
170577	0105030850	Solid	5/3/01	:	5/4/01
170578	0105030900	Solid	5/3/01	:	5/4/01
170579	0105030905	Solid	5/3/01	:	5/4/01
170580	0105030935	Sludge	5/3/01	:	5/4/01

These results represent only the samples received in the laboratory. The Quality Control Report is generated on a batch basis. All information contained in this report is for the analytical batch(es) in which your sample(s) were analyzed.

This report consists of a total of 42 pages and shall not be reproduced except in its entirety including the chain of custody (COC), without written approval of TraceAnalysis, Inc.

Dr. Blair Leftwich, Director

Analytical Report

Sample: 170575 - 0105030830

Analysis:	BTEX	Analytical Method:	S 8021B	QC Batch:	QC11134	Date Analyzed:	5/11/01
Analyst:	JW	Preparation Method:	E 5035	Prep Batch:	PB09536	Date Prepared:	5/11/01

Param	Flag	Result	Units	Dilution	RDL
Benzene		<0.025	mg/Kg	25	0.001
Toluene		<0.025	mg/Kg	25	0.001
Ethylbenzene		<0.025	mg/Kg	25	0.001
M,P,O-Xylene		<0.025	mg/Kg	25	0.001
Total BTEX		<0.025	mg/Kg	25	0.001

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
TFT		2.38	mg/Kg	25	0.10	95	72 - 128
4-BFB		2.22	mg/Kg	25	0.10	88	72 - 128

Sample: 170575 - 0105030830

Analysis:	TPH	Analytical Method:	E 418.1	QC Batch:	QC11016	Date Analyzed:	5/8/01
Analyst:	JJ	Preparation Method:	E 3550B	Prep Batch:	PB09454	Date Prepared:	5/5/01

Param	Flag	Result	Units	Dilution	RDL
TRPHC		525000	mg/Kg	1	10

Sample: 170576 - 0105030845

Analysis:	8260	Analytical Method:	S 8260B	QC Batch:	QC11114	Date Analyzed:	5/11/01
Analyst:	JG	Preparation Method:	E 5035	Prep Batch:	PB09526	Date Prepared:	5/11/01

Param	Flag	Result	Units	Dilution	RDL
Bromochloromethane		<5000	µg/Kg	5000	1
Dichlorodifluoromethane		<5000	µg/Kg	5000	1
Chloromethane (methyl chloride)		<5000	µg/Kg	5000	1
Vinyl Chloride		<5000	µg/Kg	5000	1
Bromomethane (methyl bromide)		<5000	µg/Kg	5000	1
Chloroethane		<5000	µg/Kg	5000	1
Trichlorofluoromethane		<5000	µg/Kg	5000	1
Acetone	[1]	89600	µg/Kg	5000	10
Iodomethane (methyl iodide)		<25000	µg/Kg	5000	5
Carbon Disulfide		<5000	µg/Kg	5000	1
Acrylonitrile		<5000	µg/Kg	5000	1
2-Butanone (MEK)		<25000	µg/Kg	5000	5
4-methyl-2-pentanone (MIBK)		100300	µg/Kg	5000	5
2-hexanone		<25000	µg/Kg	5000	5
trans 1,4-Dichloro-2-butene		<50000	µg/Kg	5000	10
1,1-Dichloroethene		<5000	µg/Kg	5000	1
Methylene chloride		<25000	µg/Kg	5000	5
MTBE		<5000	µg/Kg	5000	1

Continued ...

[1] estimated concentration, RSD value above 15% on initial calibration

... *Continued* Sample: 170576 Analysis: 8260

Param	Flag	Result	Units	Dilution	RDL
trans-1,2-Dichloroethene		<5000	µg/Kg	5000	1
1,1-Dichloroethane		<5000	µg/Kg	5000	1
cis-1,2-Dichloroethene		<5000	µg/Kg	5000	1
2,2-Dichloropropane		<5000	µg/Kg	5000	1
1,2-Dichloroethane (EDC)		<5000	µg/Kg	5000	1
Chloroform		<5000	µg/Kg	5000	1
1,1,1-Trichloroethane		<5000	µg/Kg	5000	1
1,1-Dichloropropene		<5000	µg/Kg	5000	1
Benzene		7600	µg/Kg	5000	1
Carbon Tetrachloride		<5000	µg/Kg	5000	1
1,2-Dichloropropane		<5000	µg/Kg	5000	1
Trichloroethene (TCE)		<5000	µg/Kg	5000	1
Dibromomethane (methylene bromide)		<5000	µg/Kg	5000	1
Bromodichloromethane		<5000	µg/Kg	5000	1
2-Chloroethyl vinyl ether		<25000	µg/Kg	5000	5
cis-1,3-Dichloropropene		<5000	µg/Kg	5000	1
trans-1,3-Dichloropropene		<5000	µg/Kg	5000	1
Toluene	[2]	1729000	µg/Kg	5000	1
1,1,2-Trichloroethane		<5000	µg/Kg	5000	1
1,3-Dichloropropane		<5000	µg/Kg	5000	1
Dibromochloromethane		<5000	µg/Kg	5000	1
1,2-Dibromoethane (EDB)		<5000	µg/Kg	5000	1
Tetrachloroethene (PCE)		<5000	µg/Kg	5000	1
Chlorobenzene		<5000	µg/Kg	5000	1
1,1,1,2-Tetrachloroethane		<5000	µg/Kg	5000	1
Ethylbenzene		192800	µg/Kg	5000	1
m,p-Xylene		668550	µg/Kg	5000	1
Bromoform		<5000	µg/Kg	5000	1
Styrene		<5000	µg/Kg	5000	1
o-Xylene		199750	µg/Kg	5000	1
1,1,2,2-Tetrachloroethane		<5000	µg/Kg	5000	1
2-Chlorotoluene		<5000	µg/Kg	5000	1
1,2,3-Trichloropropane		<5000	µg/Kg	5000	1
Isopropylbenzene		20750	µg/Kg	5000	1
Bromobenzene		<5000	µg/Kg	5000	1
n-Propylbenzene		50100	µg/Kg	5000	1
1,3,5-Trimethylbenzene		94650	µg/Kg	5000	1
tert-Butylbenzene		<5000	µg/Kg	5000	1
1,2,4-Trimethylbenzene		257250	µg/Kg	5000	1
1,4-Dichlorobenzene (para)		<5000	µg/Kg	5000	1
sec-Butylbenzene		10400	µg/Kg	5000	1
1,3-Dichlorobenzene		<5000	µg/Kg	5000	1
p-Isopropyltoluene		<5000	µg/Kg	5000	1
4-Chlorotoluene		<5000	µg/Kg	5000	1
1,2-Dichlorobenzene (ortho)		<5000	µg/Kg	5000	1
n-Butylbenzene		14800	µg/Kg	5000	1
1,2-Dibromo-3-chloropropane		<25000	µg/Kg	5000	5
1,2,3-Trichlorobenzene		<25000	µg/Kg	5000	5
1,2,4-Trichlorobenzene		<25000	µg/Kg	5000	5
Naphthalene		<25000	µg/Kg	5000	5
Hexachlorobutadiene		<25000	µg/Kg	5000	5

[2]estimated concentration, response above standard range

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Dibromofluoromethane		47.30	µg/Kg	1	50	94	87 - 121
Toluene-d8		82.29	µg/Kg	1	50	164	91 - 114
4-Bromofluorobenzene		48.13	µg/Kg	1	50	96	86 - 114

Sample: 170576 - 0105030845

Analysis: 8270 Analytical Method: S 8270C QC Batch: QC11106 Date Analyzed: 5/8/01
Analyst: RC Preparation Method: E 3510C Prep Batch: PB09518 Date Prepared: 5/7/01

Param	Flag	Result	Units	Dilution	RDL
Pyridine		<62.5	mg/Kg	250	0.25
n-Nitrosodimethylamine		<62.5	mg/Kg	250	0.25
2-Picoline		<62.5	mg/Kg	250	0.25
Methyl methanesulfonate		<62.5	mg/Kg	250	0.25
Ethyl methanesulfonate		<62.5	mg/Kg	250	0.25
Phenol		<62.5	mg/Kg	250	0.25
Aniline		<62.5	mg/Kg	250	0.25
bis (2-chloroethyl) ether		<62.5	mg/Kg	250	0.25
2-Chlorophenol		<62.5	mg/Kg	250	0.25
1,3-Dichlorobenzene		<62.5	mg/Kg	250	0.25
1,4-Dichlorobenzene		<62.5	mg/Kg	250	0.25
Benzyl alcohol		<62.5	mg/Kg	250	0.25
1,2-Dichlorobenzene		<62.5	mg/Kg	250	0.25
2-Methylphenol		<62.5	mg/Kg	250	0.25
bis (2-chloroisopropyl) ether		<62.5	mg/Kg	250	0.25
4-Methylphenol/3-Methylphenol		<62.5	mg/Kg	250	0.25
Acetophenone		<62.5	mg/Kg	250	0.25
n-Nitrosodi-n-propylamine		<62.5	mg/Kg	250	0.25
Hexachloroethane		<62.5	mg/Kg	250	0.25
Nitrobenzene		<62.5	mg/Kg	250	0.25
n-Nitrosopiperidine		<62.5	mg/Kg	250	0.25
Isophorone		<62.5	mg/Kg	250	0.25
2-Nitrophenol		<62.5	mg/Kg	250	0.25
2,4-Dimethylphenol		<62.5	mg/Kg	250	0.25
bis (2-chloroethoxy) methane		<62.5	mg/Kg	250	0.25
Benzoic acid		<62.5	mg/Kg	250	0.25
2,4-Dichlorophenol		<62.5	mg/Kg	250	0.25
1,2,4-Trichlorobenzene		<62.5	mg/Kg	250	0.25
a,a-Dimethylphenethylamine		<62.5	mg/Kg	250	0.25
Naphthalene		<62.5	mg/Kg	250	0.25
4-Chloroaniline		<62.5	mg/Kg	250	0.25
2,6-Dichlorophenol		<62.5	mg/Kg	250	0.25
Hexachlorobutadiene		<62.5	mg/Kg	250	0.25
n-Nitroso-di-n-butylamine		<62.5	mg/Kg	250	0.25
4-Chloro-3-methylphenol		<62.5	mg/Kg	250	0.25
1-Methylnaphthalene		89.92	mg/Kg	250	0.25
2-Methylnaphthalene		85.06	mg/Kg	250	0.25
1,2,4,5-Tetrachlorobenzene		<62.5	mg/Kg	250	0.25
Hexachlorocyclopentadiene		<62.5	mg/Kg	250	0.25
2,4,6-Trichlorophenol		<62.5	mg/Kg	250	0.25
2,4,5-Trichlorophenol		<62.5	mg/Kg	250	0.25
2-Chloronaphthalene		<62.5	mg/Kg	250	0.25
1-Chloronaphthalene		<62.5	mg/Kg	250	0.25

Continued ...

... *Continued* Sample: 170576 Analysis: 8270

Param	Flag	Result	Units	Dilution	RDL
2-Nitroaniline		<62.5	mg/Kg	250	0.25
Dimethylphthalate		<62.5	mg/Kg	250	0.25
Acenaphthylene		<62.5	mg/Kg	250	0.25
2,6-Dinitrotoluene		<62.5	mg/Kg	250	0.25
3-Nitroaniline		<62.5	mg/Kg	250	0.25
Acenaphthene		<62.5	mg/Kg	250	0.25
2,4-Dinitrophenol		<62.5	mg/Kg	250	0.25
Dibenzofuran		<62.5	mg/Kg	250	0.25
Pentachlorobenzene		<62.5	mg/Kg	250	0.25
4-Nitrophenol		<62.5	mg/Kg	250	0.25
1-Naphthylamine		<62.5	mg/Kg	250	0.25
2,4-Dinitrotoluene		<62.5	mg/Kg	250	0.25
2-Naphthylamine		<62.5	mg/Kg	250	0.25
2,3,4,6-Tetrachlorophenol		<62.5	mg/Kg	250	0.25
Fluorene		<62.5	mg/Kg	250	0.25
Diethylphthalate		<62.5	mg/Kg	250	0.25
4-Chlorophenyl-phenylether		<62.5	mg/Kg	250	0.25
4-Nitroaniline		<62.5	mg/Kg	250	0.25
4,6-Dinitro-2-methylphenol		<62.5	mg/Kg	250	0.25
Diphenylamine		<62.5	mg/Kg	250	0.25
Diphenylhydrazine		<62.5	mg/Kg	250	0.25
4-Bromophenyl-phenylether		<62.5	mg/Kg	250	0.25
Phenacetin		<62.5	mg/Kg	250	0.25
Hexachlorobenzene		<62.5	mg/Kg	250	0.25
4-Aminobiphenyl		<62.5	mg/Kg	250	0.25
Pentachlorophenol		<62.5	mg/Kg	250	0.25
Pentachloronitrobenzene		<62.5	mg/Kg	250	0.25
Pronamide		<62.5	mg/Kg	250	0.25
Phenanthrene		<62.5	mg/Kg	250	0.25
Anthracene		<62.5	mg/Kg	250	0.25
Di-n-butylphthalate		<62.5	mg/Kg	250	0.25
Fluoranthene		<62.5	mg/Kg	250	0.25
Benzidine		<62.5	mg/Kg	250	0.25
Pyrene		<62.5	mg/Kg	250	0.25
p-Dimethylaminoazobenzene		<62.5	mg/Kg	250	0.25
Butylbenzylphthalate		<62.5	mg/Kg	250	0.25
Benzo(a)anthracene		<62.5	mg/Kg	250	0.25
3,3-Dichlorobenzidine		<62.5	mg/Kg	250	0.25
Chrysene		<62.5	mg/Kg	250	0.25
Bis (2-ethylhexyl) phthalate		<62.5	mg/Kg	250	0.25
Di-n-octylphthalate		<62.5	mg/Kg	250	0.25
Benzo(b)fluoranthene		<62.5	mg/Kg	250	0.25
7,12-Dimethylbenz(a)anthracene		<62.5	mg/Kg	250	0.25
Benzo(k)fluoranthene		<62.5	mg/Kg	250	0.25
Benzo(a)pyrene		<62.5	mg/Kg	250	0.25
3-Methylcholanthrene		<62.5	mg/Kg	250	0.25
Dibenzo(a,j)acridine		<62.5	mg/Kg	250	0.25
Indeno(1,2,3-cd)pyrene		<62.5	mg/Kg	250	0.25
Dibenzo(a,h)anthracene		<62.5	mg/Kg	250	0.25
Benzo(g,h,i)perylene		<62.5	mg/Kg	250	0.25

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
2-Fluorophenol		30.71	mg/Kg	250	80	38	25 - 121

Continued ...

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Phenol-d5		45.26	mg/Kg	250	80	56	24 - 113
Nitrobenzene-d5		68.24	mg/Kg	250	80	85	23 - 120
2-Fluorobiphenyl		57.98	mg/Kg	250	80	72	30 - 115
2,4,6-Tribromophenol		30.28	mg/Kg	250	80	37	19 - 122
Terphenyl-d14		69.9	mg/Kg	250	80	87	28 - 137

Sample: 170576 - 0105030845

Analysis: Alkalinity | Analytical Method: E 310.1 | QC Batch: QC11294 | Date Analyzed: 5/17/01
Analyst: RS | Preparation Method: N/A | Prep Batch: PB09663 | Date Prepared: 5/17/01

Param	Flag	Result	Units	Dilution	RDL
Hydroxide Alkalinity		<1.0	mg/Kg as CaCo3	1	1
Carbonate Alkalinity		<1.0	mg/Kg as CaCo3	1	1
Bicarbonate Alkalinity		38	mg/Kg as CaCo3	1	1
Total Alkalinity		38	mg/Kg as CaCo3	1	1

Sample: 170576 - 0105030845

Analysis: Conductivity | Analytical Method: SM 2510B | QC Batch: QC11190 | Date Analyzed: 5/9/01
Analyst: JS | Preparation Method: N/A | Prep Batch: PB09552 | Date Prepared: 5/9/01

Param	Flag	Result	Units	Dilution	RDL
Specific Conductance		7280	μMHOS/cm	1	

Sample: 170576 - 0105030845

Analysis: Hg, Total | Analytical Method: S 7471A | QC Batch: QC11034 | Date Analyzed: 5/8/01
Analyst: SSC | Preparation Method: N/A | Prep Batch: PB10767 | Date Prepared: 4/7/01

Param	Flag	Result	Units	Dilution	RDL
Total Mercury		0.33	mg/Kg	1	0.19

Sample: 170576 - 0105030845

Analysis: Ion Chromatography (IC) | Analytical Method: E 300.0 | QC Batch: QC11065 | Date Analyzed: 5/9/01
Analyst: JS | Preparation Method: N/A | Prep Batch: PB09495 | Date Prepared: 5/9/01

Param	Flag	Result	Units	Dilution	RDL
CL		2130	mg/Kg	100	0.50
Fluoride		<5.0	mg/Kg	5	0.20
Nitrate-N		<5.0	mg/Kg	5	0.20
Sulfate		1320	mg/Kg	100	0.50

Sample: 170576 - 0105030845

Analysis: Salts | Analytical Method: S 6010B | QC Batch: QC12291 | Date Analyzed: 5/14/01
Analyst: LEN | Preparation Method: E 3005 A | Prep Batch: PB10517 | Date Prepared: 5/8/01

Param	Flag	Result	Units	Dilution	RDL
Dissolved Calcium		92300	mg/L	1	0.50
Dissolved Magnesium		8085	mg/L	1	0.50
Dissolved Potassium		888	mg/L	1	0.50
Dissolved Sodium		7582	mg/L	1	0.50

Sample: 170576 - 0105030845

Analysis:	TDS	Analytical Method:	E 160.1	QC Batch:	QC11260	Date Analyzed:	5/16/01
Analyst:	JS	Preparation Method:	N/A	Prep Batch:	PB09621	Date Prepared:	5/15/01

Param	Flag	Result	Units	Dilution	RDL
Total Dissolved Solids		5210	mg/L	10	10

Sample: 170576 - 0105030845

Analysis:	Total Metals	Analytical Method:	S 6010B	QC Batch:	QC11123	Date Analyzed:	5/12/01
Analyst:	RR	Preparation Method:	E 3015	Prep Batch:	PB09414	Date Prepared:	5/7/01

Param	Flag	Result	Units	Dilution	RDL
Total Arsenic		<5	mg/Kg	1	5
Total Barium		748	mg/Kg	1	5
Total Cadmium		<2	mg/Kg	1	2
Total Chromium		309	mg/Kg	1	5
Total Lead		261	mg/Kg	1	5
Total Selenium		<5	mg/Kg	1	5
Total Silver		<1	mg/Kg	1	1

Sample: 170576 - 0105030845

Analysis:	pH	Analytical Method:	E 150.1	QC Batch:	QC11250	Date Analyzed:	5/9/01
Analyst:	RS	Preparation Method:	N/A	Prep Batch:	PB09628	Date Prepared:	5/9/01

Param	Flag	Result	Units	Dilution	RDL
pH		6.9	s.u.	1	1

Sample: 170577 - 0105030850

Analysis:	8260	Analytical Method:	S 8260B	QC Batch:	QC11114	Date Analyzed:	5/11/01
Analyst:	JG	Preparation Method:	E 5035	Prep Batch:	PB09526	Date Prepared:	5/11/01

Param	Flag	Result	Units	Dilution	RDL
Bromochloromethane		<500	µg/Kg	500	1
Dichlorodifluoromethane		<500	µg/Kg	500	1
Chloromethane (methyl chloride)		<500	µg/Kg	500	1
Vinyl Chloride		<500	µg/Kg	500	1
Bromomethane (methyl bromide)		<500	µg/Kg	500	1
Chloroethane		<500	µg/Kg	500	1
Trichlorofluoromethane		<500	µg/Kg	500	1
Acetone		<5000	µg/Kg	500	10
Iodomethane (methyl iodide)		<2500	µg/Kg	500	5
Carbon Disulfide		<500	µg/Kg	500	1

Continued ...

... *Continued* Sample: 170577 Analysis: 8260

Param	Flag	Result	Units	Dilution	RDL
Acrylonitrile		<500	µg/Kg	500	1
2-Butanone (MEK)		<2500	µg/Kg	500	5
4-methyl-2-pentanone (MIBK)		<2500	µg/Kg	500	5
2-hexanone		<2500	µg/Kg	500	5
trans 1,4-Dichloro-2-butene		<5000	µg/Kg	500	10
1,1-Dichloroethene		<500	µg/Kg	500	1
Methylene chloride		<2500	µg/Kg	500	5
MTBE		<500	µg/Kg	500	1
trans-1,2-Dichloroethene		<500	µg/Kg	500	1
1,1-Dichloroethane		<500	µg/Kg	500	1
cis-1,2-Dichloroethene		<500	µg/Kg	500	1
2,2-Dichloropropane		<500	µg/Kg	500	1
1,2-Dichloroethane (EDC)		<500	µg/Kg	500	1
Chloroform		<500	µg/Kg	500	1
1,1,1-Trichloroethane		<500	µg/Kg	500	1
1,1-Dichloropropene		<500	µg/Kg	500	1
Benzene		<500	µg/Kg	500	1
Carbon Tetrachloride		<500	µg/Kg	500	1
1,2-Dichloropropane		<500	µg/Kg	500	1
Trichloroethene (TCE)		<500	µg/Kg	500	1
Dibromomethane (methylene bromide)		<500	µg/Kg	500	1
Bromodichloromethane		<500	µg/Kg	500	1
2-Chloroethyl vinyl ether		<2500	µg/Kg	500	5
cis-1,3-Dichloropropene		<500	µg/Kg	500	1
trans-1,3-Dichloropropene		<500	µg/Kg	500	1
Toluene		<500	µg/Kg	500	1
1,1,2-Trichloroethane		<500	µg/Kg	500	1
1,3-Dichloropropane		<500	µg/Kg	500	1
Dibromochloromethane		<500	µg/Kg	500	1
1,2-Dibromoethane (EDB)		<500	µg/Kg	500	1
Tetrachloroethene (PCE)		<500	µg/Kg	500	1
Chlorobenzene		<500	µg/Kg	500	1
1,1,1,2-Tetrachloroethane		<500	µg/Kg	500	1
Ethylbenzene		3625	µg/Kg	500	1
m,p-Xylene		4155	µg/Kg	500	1
Bromoform		<500	µg/Kg	500	1
Styrene		<500	µg/Kg	500	1
o-Xylene		1370	µg/Kg	500	1
1,1,2,2-Tetrachloroethane		<500	µg/Kg	500	1
2-Chlorotoluene		<500	µg/Kg	500	1
1,2,3-Trichloropropane		<500	µg/Kg	500	1
Isopropylbenzene		3075	µg/Kg	500	1
Bromobenzene		<500	µg/Kg	500	1
n-Propylbenzene		6745	µg/Kg	500	1
1,3,5-Trimethylbenzene		8165	µg/Kg	500	1
tert-Butylbenzene		<500	µg/Kg	500	1
1,2,4-Trimethylbenzene		31315	µg/Kg	500	1
1,4-Dichlorobenzene (para)		<500	µg/Kg	500	1
sec-Butylbenzene		4630	µg/Kg	500	1
1,3-Dichlorobenzene		<500	µg/Kg	500	1
p-Isopropyltoluene		3605	µg/Kg	500	1
4-Chlorotoluene		<500	µg/Kg	500	1
1,2-Dichlorobenzene (ortho)		<500	µg/Kg	500	1
n-Butylbenzene		10375	µg/Kg	500	1

Continued ...

... *Continued* Sample: 170577 Analysis: 8260

Param	Flag	Result	Units	Dilution	RDL
1,2-Dibromo-3-chloropropane		<2500	µg/Kg	500	5
1,2,3-Trichlorobenzene		<2500	µg/Kg	500	5
1,2,4-Trichlorobenzene		<2500	µg/Kg	500	5
Naphthalene		25820	µg/Kg	500	5
Hexachlorobutadiene		<2500	µg/Kg	500	5

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Dibromofluoromethane		48.29	µg/Kg	1	50	96	87 - 121
Toluene-d8		51.42	µg/Kg	1	50	102	91 - 114
4-Bromofluorobenzene		48.95	µg/Kg	1	50	97	86 - 114

Sample: 170577 - 0105030850

Analysis:	8270	Analytical Method:	S 8270C	QC Batch:	QC11106	Date Analyzed:	5/8/01
Analyst:	RC	Preparation Method:	E 3510C	Prep Batch:	PB09518	Date Prepared:	5/7/01

Param	Flag	Result	Units	Dilution	RDL
Pyridine		<62.5	mg/Kg	250	0.25
n-Nitrosodimethylamine		<62.5	mg/Kg	250	0.25
2-Picoline		<62.5	mg/Kg	250	0.25
Methyl methanesulfonate		<62.5	mg/Kg	250	0.25
Ethyl methanesulfonate		<62.5	mg/Kg	250	0.25
Phenol		<62.5	mg/Kg	250	0.25
Aniline		<62.5	mg/Kg	250	0.25
bis (2-chloroethyl) ether		<62.5	mg/Kg	250	0.25
2-Chlorophenol		<62.5	mg/Kg	250	0.25
1,3-Dichlorobenzene		<62.5	mg/Kg	250	0.25
1,4-Dichlorobenzene		<62.5	mg/Kg	250	0.25
Benzyl alcohol		<62.5	mg/Kg	250	0.25
1,2-Dichlorobenzene		<62.5	mg/Kg	250	0.25
2-Methylphenol		<62.5	mg/Kg	250	0.25
bis (2-chloroisopropyl) ether		<62.5	mg/Kg	250	0.25
4-Methylphenol/3-Methylphenol		<62.5	mg/Kg	250	0.25
Acetophenone		<62.5	mg/Kg	250	0.25
n-Nitrosodi-n-propylamine		<62.5	mg/Kg	250	0.25
Hexachloroethane		<62.5	mg/Kg	250	0.25
Nitrobenzene		<62.5	mg/Kg	250	0.25
n-Nitrosopiperidine		<62.5	mg/Kg	250	0.25
Isophorone		<62.5	mg/Kg	250	0.25
2-Nitrophenol		<62.5	mg/Kg	250	0.25
2,4-Dimethylphenol		<62.5	mg/Kg	250	0.25
bis (2-chloroethoxy) methane		<62.5	mg/Kg	250	0.25
Benzoic acid		<62.5	mg/Kg	250	0.25
2,4-Dichlorophenol		<62.5	mg/Kg	250	0.25
1,2,4-Trichlorobenzene		<62.5	mg/Kg	250	0.25
a,a-Dimethylphenethylamine		<62.5	mg/Kg	250	0.25
Naphthalene		<62.5	mg/Kg	250	0.25
4-Chloroaniline		<62.5	mg/Kg	250	0.25
2,6-Dichlorophenol		<62.5	mg/Kg	250	0.25
Hexachlorobutadiene		<62.5	mg/Kg	250	0.25
n-Nitroso-di-n-butylamine		<62.5	mg/Kg	250	0.25

Continued ...

... *Continued* Sample: 170577 Analysis: 8270

Param	Flag	Result	Units	Dilution	RDL
4-Chloro-3-methylphenol		<62.5	mg/Kg	250	0.25
1-Methylnaphthalene		147.04	mg/Kg	250	0.25
2-Methylnaphthalene		131.74	mg/Kg	250	0.25
1,2,4,5-Tetrachlorobenzene		<62.5	mg/Kg	250	0.25
Hexachlorocyclopentadiene		<62.5	mg/Kg	250	0.25
2,4,6-Trichlorophenol		<62.5	mg/Kg	250	0.25
2,4,5-Trichlorophenol		<62.5	mg/Kg	250	0.25
2-Chloronaphthalene		<62.5	mg/Kg	250	0.25
1-Chloronaphthalene		<62.5	mg/Kg	250	0.25
2-Nitroaniline		<62.5	mg/Kg	250	0.25
Dimethylphthalate		<62.5	mg/Kg	250	0.25
Acenaphthylene		<62.5	mg/Kg	250	0.25
2,6-Dinitrotoluene		<62.5	mg/Kg	250	0.25
3-Nitroaniline		<62.5	mg/Kg	250	0.25
Acenaphthene		<62.5	mg/Kg	250	0.25
2,4-Dinitrophenol		<62.5	mg/Kg	250	0.25
Dibenzofuran		<62.5	mg/Kg	250	0.25
Pentachlorobenzene		<62.5	mg/Kg	250	0.25
4-Nitrophenol		<62.5	mg/Kg	250	0.25
1-Naphthylamine		<62.5	mg/Kg	250	0.25
2,4-Dinitrotoluene		<62.5	mg/Kg	250	0.25
2-Naphthylamine		<62.5	mg/Kg	250	0.25
2,3,4,6-Tetrachlorophenol		<62.5	mg/Kg	250	0.25
Fluorene		<62.5	mg/Kg	250	0.25
Diethylphthalate		<62.5	mg/Kg	250	0.25
4-Chlorophenyl-phenylether		<62.5	mg/Kg	250	0.25
4-Nitroaniline		<62.5	mg/Kg	250	0.25
4,6-Dinitro-2-methylphenol		<62.5	mg/Kg	250	0.25
Diphenylamine		<62.5	mg/Kg	250	0.25
Diphenylhydrazine		<62.5	mg/Kg	250	0.25
4-Bromophenyl-phenylether		<62.5	mg/Kg	250	0.25
Phenacetin		<62.5	mg/Kg	250	0.25
Hexachlorobenzene		<62.5	mg/Kg	250	0.25
4-Aminobiphenyl		<62.5	mg/Kg	250	0.25
Pentachlorophenol		<62.5	mg/Kg	250	0.25
Pentachloronitrobenzene		<62.5	mg/Kg	250	0.25
Pronamide		<62.5	mg/Kg	250	0.25
Phenanthrene		77.91	mg/Kg	250	0.25
Anthracene		<62.5	mg/Kg	250	0.25
Di-n-butylphthalate		<62.5	mg/Kg	250	0.25
Fluoranthene		<62.5	mg/Kg	250	0.25
Benzidine		<62.5	mg/Kg	250	0.25
Pyrene		<62.5	mg/Kg	250	0.25
p-Dimethylaminoazobenzene		<62.5	mg/Kg	250	0.25
Butylbenzylphthalate		<62.5	mg/Kg	250	0.25
Benzo(a)anthracene		<62.5	mg/Kg	250	0.25
3,3-Dichlorobenzidine		<62.5	mg/Kg	250	0.25
Chrysene		<62.5	mg/Kg	250	0.25
Bis (2-ethylhexyl) phthalate		<62.5	mg/Kg	250	0.25
Di-n-octylphthalate		<62.5	mg/Kg	250	0.25
Benzo(b)fluoranthene		<62.5	mg/Kg	250	0.25
7,12-Dimethylbenz(a)anthracene		<62.5	mg/Kg	250	0.25
Benzo(k)fluoranthene		<62.5	mg/Kg	250	0.25
Benzo(a)pyrene		<62.5	mg/Kg	250	0.25

Continued ...

... *Continued* Sample: 170577 Analysis: 8270

Param	Flag	Result	Units	Dilution	RDL
3-Methylcholanthrene		<62.5	mg/Kg	250	0.25
Dibenzo(a,j)acridine		<62.5	mg/Kg	250	0.25
Indeno(1,2,3-cd)pyrene		<62.5	mg/Kg	250	0.25
Dibenzo(a,h)anthracene		<62.5	mg/Kg	250	0.25
Benzo(g,h,i)perylene		<62.5	mg/Kg	250	0.25
Test Comments		<62.5	mg/Kg	250	

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
2-Fluorophenol		26.94	mg/Kg	250	80	33	25 - 121
Phenol-d5		31.21	mg/Kg	250	80	39	24 - 113
Nitrobenzene-d5		54.83	mg/Kg	250	80	68	23 - 120
2-Fluorobiphenyl		59.63	mg/Kg	250	80	74	30 - 115
2,4,6-Tribromophenol		55.27	mg/Kg	250	80	69	19 - 122
Terphenyl-d14		73.25	mg/Kg	250	80	91	28 - 137

Sample: 170577 - 0105030850

Analysis: Alkalinity Analytical Method: E 310.1 QC Batch: QC11294 Date Analyzed: 5/17/01
Analyst: RS Preparation Method: N/A Prep Batch: PB09663 Date Prepared: 5/17/01

Param	Flag	Result	Units	Dilution	RDL
Hydroxide Alkalinity		<1.0	mg/Kg as CaCo3	1	1
Carbonate Alkalinity		<1.0	mg/Kg as CaCo3	1	1
Bicarbonate Alkalinity		<1.0	mg/Kg as CaCo3	1	1
Total Alkalinity		<1.0	mg/Kg as CaCo3	1	1

Sample: 170577 - 0105030850

Analysis: Conductivity Analytical Method: SM 2510B QC Batch: QC11190 Date Analyzed: 5/9/01
Analyst: JS Preparation Method: N/A Prep Batch: PB09552 Date Prepared: 5/9/01

Param	Flag	Result	Units	Dilution	RDL
Specific Conductance		32600	μMHOS/cm	1	

Sample: 170577 - 0105030850

Analysis: Hg, Total Analytical Method: S 7471A QC Batch: QC11034 Date Analyzed: 5/8/01
Analyst: SSC Preparation Method: N/A Prep Batch: PB10767 Date Prepared: 4/7/01

Param	Flag	Result	Units	Dilution	RDL
Total Mercury		<0.19	mg/Kg	1	0.19

Sample: 170577 - 0105030850

Analysis: Ion Chromatography (IC) Analytical Method: E 300.0 QC Batch: QC11065 Date Analyzed: 5/9/01
Analyst: JS Preparation Method: N/A Prep Batch: PB09495 Date Prepared: 5/9/01

Continued ...

... Continued Sample: 170577 Analysis: Ion Chromatography (IC)

Param	Flag	Result	Units	Dilution	RDL
CL		6930	mg/Kg	500	0.50
Fluoride		<10	mg/Kg	10	0.20
Nitrate-N		<10	mg/Kg	10	0.20
Sulfate		22700	mg/Kg	500	0.50

Sample: 170577 - 0105030850

Analysis: Salts Analytical Method: S 6010B QC Batch: QC12291 Date Analyzed: 5/14/01
Analyst: LEN Preparation Method: E 3005 A Prep Batch: PB10517 Date Prepared: 5/8/01

Param	Flag	Result	Units	Dilution	RDL
Dissolved Calcium		16980	mg/L	1	0.50
Dissolved Magnesium		2341	mg/L	1	0.50
Dissolved Potassium		682	mg/L	1	0.50
Dissolved Sodium		8249	mg/L	1	0.50

Sample: 170577 - 0105030850

Analysis: TDS Analytical Method: E 160.1 QC Batch: QC11260 Date Analyzed: 5/16/01
Analyst: JS Preparation Method: N/A Prep Batch: PB09621 Date Prepared: 5/15/01

Param	Flag	Result	Units	Dilution	RDL
Total Dissolved Solids		44300	mg/L	50	10

Sample: 170577 - 0105030850

Analysis: Total Metals Analytical Method: S 6010B QC Batch: QC11123 Date Analyzed: 5/12/01
Analyst: RR Preparation Method: E 3015 Prep Batch: PB09414 Date Prepared: 5/7/01

Param	Flag	Result	Units	Dilution	RDL
Total Arsenic		<5	mg/Kg	1	5
Total Barium		545	mg/Kg	1	5
Total Cadmium		3.27	mg/Kg	1	2
Total Chromium		<5	mg/Kg	1	5
Total Lead		75.7	mg/Kg	1	5
Total Selenium		<5	mg/Kg	1	5
Total Silver		<1	mg/Kg	1	1

Sample: 170577 - 0105030850

Analysis: pH Analytical Method: E 150.1 QC Batch: QC11250 Date Analyzed: 5/9/01
Analyst: RS Preparation Method: N/A Prep Batch: PB09628 Date Prepared: 5/9/01

Param	Flag	Result	Units	Dilution	RDL
pH	[3]	2.6	s.u.	1	1

[3]This sample was prepped at the same time as the other solid.

Sample: 170578 - 0105030900

Analysis:	Hg, Total	Analytical Method:	S 7471A	QC Batch:	QC11034	Date Analyzed:	5/8/01
Analyst:	SSC	Preparation Method:	N/A	Prep Batch:	PB10767	Date Prepared:	4/7/01

Param	Flag	Result	Units	Dilution	RDL
Total Mercury		<0.19	mg/Kg	1	0.19

Sample: 170578 - 0105030900

Analysis:	Total Metals	Analytical Method:	S 6010B	QC Batch:	QC11123	Date Analyzed:	5/12/01
Analyst:	RR	Preparation Method:	E 3015	Prep Batch:	PB09414	Date Prepared:	5/7/01

Param	Flag	Result	Units	Dilution	RDL
Total Arsenic		<5	mg/Kg	1	5
Total Barium		168	mg/Kg	1	5
Total Cadmium		2.92	mg/Kg	1	2
Total Chromium		24.6	mg/Kg	1	5
Total Lead		70.9	mg/Kg	1	5
Total Selenium		<5	mg/Kg	1	5
Total Silver		<1	mg/Kg	1	1

Sample: 170579 - 0105030905

Analysis:	Hg, Total	Analytical Method:	S 7471A	QC Batch:	QC11034	Date Analyzed:	5/8/01
Analyst:	SSC	Preparation Method:	N/A	Prep Batch:	PB10767	Date Prepared:	4/7/01

Param	Flag	Result	Units	Dilution	RDL
Total Mercury		<0.19	mg/Kg	1	0.19

Sample: 170579 - 0105030905

Analysis:	Total Metals	Analytical Method:	S 6010B	QC Batch:	QC11123	Date Analyzed:	5/12/01
Analyst:	RR	Preparation Method:	E 3015	Prep Batch:	PB09414	Date Prepared:	5/7/01

Param	Flag	Result	Units	Dilution	RDL
Total Arsenic		<5	mg/Kg	1	5
Total Barium		2250	mg/Kg	1	5
Total Cadmium		<2	mg/Kg	1	2
Total Chromium		275	mg/Kg	1	5
Total Lead		1080	mg/Kg	1	5
Total Selenium		<5	mg/Kg	1	5
Total Silver		<1	mg/Kg	1	1

Sample: 170580 - 0105030935

Analysis:	8260	Analytical Method:	S 8260B	QC Batch:	QC11115	Date Analyzed:	5/11/01
Analyst:	JG	Preparation Method:	E 5035	Prep Batch:	PB09527	Date Prepared:	5/11/01

Param	Flag	Result	Units	Dilution	RDL
Bromochloromethane		<500	µg/Kg	500	1
Dichlorodifluoromethane		<500	µg/Kg	500	1
Chloromethane (methyl chloride)		<500	µg/Kg	500	1

Continued ...

... *Continued* Sample: 170580 Analysis: 8260

Param	Flag	Result	Units	Dilution	RDL
Vinyl Chloride		<500	µg/Kg	500	1
Bromomethane (methyl bromide)		<500	µg/Kg	500	1
Chloroethane		<500	µg/Kg	500	1
Trichlorofluoromethane		<500	µg/Kg	500	1
Acetone	[4]	7645	µg/Kg	500	10
Iodomethane (methyl iodide)		<2500	µg/Kg	500	5
Carbon Disulfide		<500	µg/Kg	500	1
Acrylonitrile		<500	µg/Kg	500	1
2-Butanone (MEK)		<2500	µg/Kg	500	5
4-methyl-2-pentanone (MIBK)		<2500	µg/Kg	500	5
2-hexanone		<2500	µg/Kg	500	5
trans 1,4-Dichloro-2-butene		<5000	µg/Kg	500	10
1,1-Dichloroethene		<500	µg/Kg	500	1
Methylene chloride		<2500	µg/Kg	500	5
MTBE		<500	µg/Kg	500	1
trans-1,2-Dichloroethene		<500	µg/Kg	500	1
1,1-Dichloroethane		<500	µg/Kg	500	1
cis-1,2-Dichloroethene		<500	µg/Kg	500	1
2,2-Dichloropropane		<500	µg/Kg	500	1
1,2-Dichloroethane (EDC)		<500	µg/Kg	500	1
Chloroform		<500	µg/Kg	500	1
1,1,1-Trichloroethane		<500	µg/Kg	500	1
1,1-Dichloropropene		<500	µg/Kg	500	1
Benzene		<500	µg/Kg	500	1
Carbon Tetrachloride		<500	µg/Kg	500	1
1,2-Dichloropropane		<500	µg/Kg	500	1
Trichloroethene (TCE)		<500	µg/Kg	500	1
Dibromomethane (methylene bromide)		<500	µg/Kg	500	1
Bromodichloromethane		<500	µg/Kg	500	1
2-Chloroethyl vinyl ether		<2500	µg/Kg	500	5
cis-1,3-Dichloropropene		<500	µg/Kg	500	1
trans-1,3-Dichloropropene		<500	µg/Kg	500	1
Toluene		<500	µg/Kg	500	1
1,1,2-Trichloroethane		11475	µg/Kg	500	1
1,3-Dichloropropane		<500	µg/Kg	500	1
Dibromochloromethane		<500	µg/Kg	500	1
1,2-Dibromoethane (EDB)		<500	µg/Kg	500	1
Tetrachloroethene (PCE)		<500	µg/Kg	500	1
Chlorobenzene		<500	µg/Kg	500	1
1,1,1,2-Tetrachloroethane		<500	µg/Kg	500	1
Ethylbenzene		2370	µg/Kg	500	1
m,p-Xylene		7620	µg/Kg	500	1
Bromoform		<500	µg/Kg	500	1
Styrene		<500	µg/Kg	500	1
o-Xylene		3080	µg/Kg	500	1
1,1,2,2-Tetrachloroethane		<500	µg/Kg	500	1
2-Chlorotoluene		<500	µg/Kg	500	1
1,2,3-Trichloropropane		<500	µg/Kg	500	1
Isopropylbenzene		<500	µg/Kg	500	1
Bromobenzene		<500	µg/Kg	500	1
n-Propylbenzene		915	µg/Kg	500	1
1,3,5-Trimethylbenzene		1865	µg/Kg	500	1
tert-Butylbenzene		<500	µg/Kg	500	1

Continued ...

[4] estimated concentration, RSD value above 15% on initial calibration

... *Continued* Sample: 170580 Analysis: 8260

Param	Flag	Result	Units	Dilution	RDL
1,2,4-Trimethylbenzene		6465	µg/Kg	500	1
1,4-Dichlorobenzene (para)		915	µg/Kg	500	1
sec-Butylbenzene		<500	µg/Kg	500	1
1,3-Dichlorobenzene		<500	µg/Kg	500	1
p-Isopropyltoluene		<500	µg/Kg	500	1
4-Chlorotoluene		<500	µg/Kg	500	1
1,2-Dichlorobenzene (ortho)		<500	µg/Kg	500	1
n-Butylbenzene		<500	µg/Kg	500	1
1,2-Dibromo-3-chloropropane		<2500	µg/Kg	500	5
1,2,3-Trichlorobenzene		<2500	µg/Kg	500	5
1,2,4-Trichlorobenzene		<2500	µg/Kg	500	5
Naphthalene		4165	µg/Kg	500	5
Hexachlorobutadiene		<2500	µg/Kg	500	5

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Dibromofluoromethane		47.99	µg/Kg	1	50	95	87 - 112
Toluene-d8		51.40	µg/Kg	1	50	102	91 - 111
4-Bromofluorobenzene		48.60	µg/Kg	1	50	97	79 - 104

Sample: 170580 - 0105030935

Analysis:	8270	Analytical Method:	S 8270C	QC Batch:	QC11161	Date Analyzed:	5/14/01
Analyst:	RC	Preparation Method:	E 3510C	Prep Batch:	PB09570	Date Prepared:	5/9/01

Param	Flag	Result	Units	Dilution	RDL
Pyridine		<250	mg/Kg	1	0.25
n-Nitrosodimethylamine		<250	mg/Kg	1	0.25
2-Picoline		<250	mg/Kg	1	0.25
Methyl methanesulfonate		<250	mg/Kg	1	0.25
Ethyl methanesulfonate		<250	mg/Kg	1	0.25
Phenol		<250	mg/Kg	1	0.25
Aniline		<250	mg/Kg	1	0.25
bis (2-chloroethyl) ether		<250	mg/Kg	1	0.25
2-Chlorophenol		<250	mg/Kg	1	0.25
1,3-Dichlorobenzene		<250	mg/Kg	1	0.25
1,4-Dichlorobenzene		<250	mg/Kg	1	0.25
Benzyl alcohol		<250	mg/Kg	1	0.25
1,2-Dichlorobenzene		<250	mg/Kg	1	0.25
2-Methylphenol		<250	mg/Kg	1	0.25
bis (2-chloroisopropyl) ether		<250	mg/Kg	1	0.25
4-Methylphenol/3-Methylphenol		<250	mg/Kg	1	0.25
Acetophenone		<250	mg/Kg	1	0.25
n-Nitrosodi-n-propylamine		<250	mg/Kg	1	0.25
Hexachloroethane		<250	mg/Kg	1	0.25
Nitrobenzene		<250	mg/Kg	1	0.25
n-Nitrosopiperidine		<250	mg/Kg	1	0.25
Isophorone		<250	mg/Kg	1	0.25
2-Nitrophenol		<250	mg/Kg	1	0.25
2,4-Dimethylphenol		<250	mg/Kg	1	0.25
bis (2-chloroethoxy) methane		<250	mg/Kg	1	0.25
Benzoic acid		<250	mg/Kg	1	0.25

Continued ...

... *Continued* Sample: 170580 Analysis: 8270

Param	Flag	Result	Units	Dilution	RDL
2,4-Dichlorophenol		<250	mg/Kg	1	0.25
1,2,4-Trichlorobenzene		<250	mg/Kg	1	0.25
a,a-Dimethylphenethylamine		<250	mg/Kg	1	0.25
Naphthalene		<250	mg/Kg	1	0.25
4-Chloroaniline		<250	mg/Kg	1	0.25
2,6-Dichlorophenol		<250	mg/Kg	1	0.25
Hexachlorobutadiene		<250	mg/Kg	1	0.25
n-Nitroso-di-n-butylamine		<250	mg/Kg	1	0.25
4-Chloro-3-methylphenol		<250	mg/Kg	1	0.25
1-Methylnaphthalene		<250	mg/Kg	1	0.25
2-Methylnaphthalene		<250	mg/Kg	1	0.25
1,2,4,5-Tetrachlorobenzene		<250	mg/Kg	1	0.25
Hexachlorocyclopentadiene		<250	mg/Kg	1	0.25
2,4,6-Trichlorophenol		<250	mg/Kg	1	0.25
2,4,5-Trichlorophenol		<250	mg/Kg	1	0.25
2-Chloronaphthalene		<250	mg/Kg	1	0.25
1-Chloronaphthalene		<250	mg/Kg	1	0.25
2-Nitroaniline		<250	mg/Kg	1	0.25
Dimethylphthalate		<250	mg/Kg	1	0.25
Acenaphthylene		<250	mg/Kg	1	0.25
2,6-Dinitrotoluene		<250	mg/Kg	1	0.25
3-Nitroaniline		<250	mg/Kg	1	0.25
Acenaphthene		<250	mg/Kg	1	0.25
2,4-Dinitrophenol		<250	mg/Kg	1	0.25
Dibenzofuran		<250	mg/Kg	1	0.25
Pentachlorobenzene		<250	mg/Kg	1	0.25
4-Nitrophenol		<250	mg/Kg	1	0.25
1-Naphthylamine		<250	mg/Kg	1	0.25
2,4-Dinitrotoluene		<250	mg/Kg	1	0.25
2-Naphthylamine		<250	mg/Kg	1	0.25
2,3,4,6-Tetrachlorophenol		<250	mg/Kg	1	0.25
Fluorene		<250	mg/Kg	1	0.25
Diethylphthalate		<250	mg/Kg	1	0.25
4-Chlorophenyl-phenylether		<250	mg/Kg	1	0.25
4-Nitroaniline		<250	mg/Kg	1	0.25
4,6-Dinitro-2-methylphenol		<250	mg/Kg	1	0.25
Diphenylamine		<250	mg/Kg	1	0.25
Diphenylhydrazine		<250	mg/Kg	1	0.25
4-Bromophenyl-phenylether		<250	mg/Kg	1	0.25
Phenacetin		<250	mg/Kg	1	0.25
Hexachlorobenzene		<250	mg/Kg	1	0.25
4-Aminobiphenyl		<250	mg/Kg	1	0.25
Pentachlorophenol		<250	mg/Kg	1	0.25
Pentachloronitrobenzene		<250	mg/Kg	1	0.25
Pronamide		<250	mg/Kg	1	0.25
Phenanthrene		<250	mg/Kg	1	0.25
Anthracene		<250	mg/Kg	1	0.25
Di-n-butylphthalate		<250	mg/Kg	1	0.25
Fluoranthene		<250	mg/Kg	1	0.25
Benzidine		<250	mg/Kg	1	0.25
Pyrene		<250	mg/Kg	1	0.25
p-Dimethylaminoazobenzene		<250	mg/Kg	1	0.25
Butylbenzylphthalate		<250	mg/Kg	1	0.25
Benzo(a)anthracene		<250	mg/Kg	1	0.25

Continued ...

... *Continued* Sample: 170580 Analysis: 8270

Param	Flag	Result	Units	Dilution	RDL
3,3-Dichlorobenzidine		<250	mg/Kg	1	0.25
Chrysene		<250	mg/Kg	1	0.25
Bis (2-ethylhexyl) phthalate		<250	mg/Kg	1	0.25
Di-n-octylphthalate		<250	mg/Kg	1	0.25
Benzo(b)fluoranthene		<250	mg/Kg	1	0.25
7,12-Dimethylbenz(a)anthracene		<250	mg/Kg	1	0.25
Benzo(k)fluoranthene		<250	mg/Kg	1	0.25
Benzo(a)pyrene		<250	mg/Kg	1	0.25
3-Methylcholanthrene		<250	mg/Kg	1	0.25
Dibenzo(a,j)acridine		<250	mg/Kg	1	0.25
Indeno(1,2,3-cd)pyrene		<250	mg/Kg	1	0.25
Dibenzo(a,h)anthracene		<250	mg/Kg	1	0.25
Benzo(g,h,i)perylene		<250	mg/Kg	1	0.25

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
2-Fluorophenol		65.91	mg/Kg	1	80	82	25 - 121
Phenol-d5		67.65	mg/Kg	1	80	84	24 - 113
Nitrobenzene-d5		66.05	mg/Kg	1	80	82	23 - 120
2-Fluorobiphenyl		70.62	mg/Kg	1	80	88	30 - 115
2,4,6-Tribromophenol		63.23	mg/Kg	1	80	79	19 - 122
Terphenyl-d14		72.82	mg/Kg	1	80	91	28 - 137

Sample: 170580 - 0105030935

Analysis:	Corrosivity	Analytical Method:	S 1110	QC Batch:	QC11048	Date Analyzed:	5/9/01
Analyst:	TML	Preparation Method:	N/A	Prep Batch:	PB09481	Date Prepared:	5/9/01

Param	Flag	Result	Units	Dilution	RDL
Corrosivity		non	mm/yr	1	
pH		5.76	s.u.	1	

Sample: 170580 - 0105030935

Analysis:	Hg, Total	Analytical Method:	S 7471A	QC Batch:	QC11035	Date Analyzed:	4/8/01
Analyst:	SSC	Preparation Method:	N/A	Prep Batch:	PB10766	Date Prepared:	4/7/01

Param	Flag	Result	Units	Dilution	RDL
Total Mercury		<0.19	mg/Kg	1	0.19

Sample: 170580 - 0105030935

Analysis:	Ignitability	Analytical Method:	SW-846 Ch. 7.1	QC Batch:	QC11049	Date Analyzed:	5/9/01
Analyst:	TML	Preparation Method:	N/A	Prep Batch:	PB09481	Date Prepared:	5/9/01

Param	Flag	Result	Units	Dilution	RDL
Ignitability		non-ignitable		1	

Sample: 170580 - 0105030935

Analysis: Reactivity Analytical Method: ASTM D 5049-90/4978-95 QC Batch: QC11047 Date Analyzed: 5/9/01
Analyst: TML Preparation Method: N/A Prep Batch: PB09481 Date Prepared: 5/9/01

Param	Flag	Result	Units	Dilution	RDL
Reactivity		Non-reactive		1	
Hydrogen Sulfide		<10	mg/Kg	1	
Hydrogen Cyanide		<2.5	mg/Kg	1	

Sample: 170580 - 0105030935

Analysis: TCLP Hg Analytical Method: S 7470A QC Batch: QC11196 Date Analyzed: 5/15/01
Analyst: SSC Preparation Method: E 1311 Prep Batch: PB09548 Date Prepared: 5/8/01

Param	Flag	Result	Units	Dilution	RDL
TCLP Mercury		<0.010	mg/L	1	0.01

Sample: 170580 - 0105030935

Analysis: TCLP Metals Analytical Method: S 6010B QC Batch: QC11120 Date Analyzed: 5/12/01
Analyst: RR Preparation Method: 1311 Prep Batch: PB09462 Date Prepared: 5/9/01

Param	Flag	Result	Units	Dilution	RDL
TCLP Arsenic		<1	mg/L	10	1
TCLP Barium		<1	mg/L	10	1
TCLP Cadmium		<0.2	mg/L	10	0.20
TCLP Chromium		<1	mg/L	10	1
TCLP Lead		<1	mg/L	10	1
TCLP Selenium		<1	mg/L	10	1
TCLP Silver		<0.5	mg/L	10	0.50

Sample: 170580 - 0105030935

Analysis: TCLP Semivolatiles Analytical Method: E 8270C QC Batch: QC12510 Date Analyzed: 5/21/01
Analyst: RC Preparation Method: 1311 Prep Batch: PB09716 Date Prepared: 5/14/01

Param	Flag	Result	Units	Dilution	RDL
Pyridine		<0.05	mg/L	1	0.05
1,4-Dichlorobenzene		<0.05	mg/L	1	0.05
o-Cresol		<0.05	mg/L	1	0.05
m,p-Cresol		<0.05	mg/L	1	0.05
Hexachloroethane		<0.05	mg/L	1	0.05
Nitrobenzene		<0.05	mg/L	1	0.05
Hexachlorobutadiene		<0.05	mg/L	1	0.05
2,4,6-Trichlorophenol		<0.05	mg/L	1	0.05
2,4,5-Trichlorophenol		<0.05	mg/L	1	0.05
2,4-Dinitrotoluene		<0.05	mg/L	1	0.05
2,4-D		<0.05	mg/L	1	0.05
Hexachlorobenzene		<0.05	mg/L	1	0.05
2,4,5-TP		<0.05	mg/L	1	0.05
Pentachlorophenol		<0.05	mg/L	1	0.05

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
2-Fluorophenol		17.58	mg/Kg	1	80	21	21 - 100
Phenol-d5		11.58	mg/Kg	1	80	14	10 - 94
Nitrobenzene-d5		51.99	mg/Kg	1	80	64	35 - 114
2-Fluorobiphenyl		52.29	mg/Kg	1	80	65	43 - 116
2,4,6-Tribromophenol		51.6	mg/Kg	1	80	64	10 - 123
Terphenyl-d14		52.66	mg/Kg	1	80	65	33 - 141

Sample: 170580 - 0105030935

Analysis: TCLP Volatiles | Analytical Method: S 8260B | QC Batch: QC11207 | Date Analyzed: 5/10/01
Analyst: JG | Preparation Method: 1311 | Prep Batch: PB09604 | Date Prepared: 5/8/01

Param	Flag	Result	Units	Dilution	RDL
Vinyl Chloride		<0.05	mg/L	50	0.001
1,1-Dichloroethene		<0.05	mg/L	50	0.001
Methyl ethyl ketone		<0.50	mg/L	50	0.01
Chloroform		<0.05	mg/L	50	0.001
1,2-Dichloroethane (EDC)		<0.05	mg/L	50	0.001
Benzene		<0.05	mg/L	50	0.001
Carbon Tetrachloride		<0.05	mg/L	50	0.001
Trichloroethene (TCE)		<0.05	mg/L	50	0.001
Tetrachloroethene (PCE)		<0.05	mg/L	50	0.001
Chlorobenzene		<0.05	mg/L	50	0.001
1,4-Dichlorobenzene		<0.05	mg/L	50	0.001

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Dibromofluoromethane		44.5	mg/Kg	1	50	89	85 - 115
Toluene-d8		47	mg/Kg	1	50	94	86 - 114
4-Bromofluorobenzene		47	mg/Kg	1	50	94	79 - 108

Sample: 170580 - 0105030935

Analysis: Total Metals | Analytical Method: S 6010B | QC Batch: QC11118 | Date Analyzed: 5/12/01
Analyst: RR | Preparation Method: E 3015 | Prep Batch: PB09414 | Date Prepared: 5/7/01

Param	Flag	Result	Units	Dilution	RDL
Total Arsenic		<10	mg/Kg	1	5
Total Barium		74.3	mg/Kg	1	5
Total Cadmium		<5.0	mg/Kg	1	2
Total Chromium		5.34	mg/Kg	1	5
Total Lead		22.3	mg/Kg	1	5
Total Selenium		<10	mg/Kg	1	5
Total Silver		<2.5	mg/Kg	1	1

Quality Control Report
Method Blank

Method Blank QCBatch: QC11034

Param	Flag	Results	Units	Reporting Limit
Total Mercury		<0.19	mg/Kg	0.19

Method Blank QCBatch: QC11065

Param	Flag	Results	Units	Reporting Limit
CL		2.90	mg/Kg	0.50
Fluoride		<1.0	mg/Kg	0.20
Nitrate-N		<1.0	mg/Kg	0.20
Sulfate		8.14	mg/Kg	0.50

Method Blank QCBatch: QC11114

Param	Flag	Results	Units	Reporting Limit
Bromochloromethane		<25.0	µg/Kg	1
Dichlorodifluoromethane		<25.0	µg/Kg	1
Chloromethane (methyl chloride)		<25.0	µg/Kg	1
Vinyl Chloride		<25.0	µg/Kg	1
Bromomethane (methyl bromide)		<25.0	µg/Kg	1
Chloroethane		<25.0	µg/Kg	1
Trichlorofluoromethane		<25.0	µg/Kg	1
Acetone		<250	µg/Kg	10
Iodomethane (methyl iodide)		<125	µg/Kg	5
Carbon Disulfide		<25.0	µg/Kg	1
Acrylonitrile		<25.0	µg/Kg	1
2-Butanone (MEK)		<125	µg/Kg	5
4-methyl-2-pentanone (MIBK)		<125	µg/Kg	5
2-hexanone		<125	µg/Kg	5
trans 1,4-Dichloro-2-butene		<250	µg/Kg	10
1,1-Dichloroethene		<25.0	µg/Kg	1
Methylene chloride		<125	µg/Kg	5
MTBE		<25.0	µg/Kg	1
trans-1,2-Dichloroethene		<25.0	µg/Kg	1
1,1-Dichloroethane		<25.0	µg/Kg	1
cis-1,2-Dichloroethene		<25.0	µg/Kg	1
2,2-Dichloropropane		<25.0	µg/Kg	1
1,2-Dichloroethane (EDC)		<25.0	µg/Kg	1
Chloroform		<25.0	µg/Kg	1
1,1,1-Trichloroethane		<25.0	µg/Kg	1
1,1-Dichloropropene		<25.0	µg/Kg	1
Benzene		<25.0	µg/Kg	1
Carbon Tetrachloride		<25.0	µg/Kg	1

Continued ...

... Continued

Param	Flag	Results	Units	Reporting Limit
1,2-Dichloropropane		<25.0	µg/Kg	1
Trichloroethene (TCE)		<25.0	µg/Kg	1
Dibromomethane (methylene bromide)		<25.0	µg/Kg	1
Bromodichloromethane		<25.0	µg/Kg	1
2-Chloroethyl vinyl ether		<125	µg/Kg	5
cis-1,3-Dichloropropene		<25.0	µg/Kg	1
trans-1,3-Dichloropropene		<25.0	µg/Kg	1
Toluene		<25.0	µg/Kg	1
1,1,2-Trichloroethane		<25.0	µg/Kg	1
1,3-Dichloropropane		<25.0	µg/Kg	1
Dibromochloromethane		<25.0	µg/Kg	1
1,2-Dibromoethane (EDB)		<25.0	µg/Kg	1
Tetrachloroethene (PCE)		<25.0	µg/Kg	1
Chlorobenzene		<25.0	µg/Kg	1
1,1,1,2-Tetrachloroethane		<25.0	µg/Kg	1
Ethylbenzene		<25.0	µg/Kg	1
m,p-Xylene		<25.0	µg/Kg	1
Bromoform		<25.0	µg/Kg	1
Styrene		<25.0	µg/Kg	1
o-Xylene		<25.0	µg/Kg	1
1,1,2,2-Tetrachloroethane		<25.0	µg/Kg	1
2-Chlorotoluene		<25.0	µg/Kg	1
1,2,3-Trichloropropane		<25.0	µg/Kg	1
Isopropylbenzene		<25.0	µg/Kg	1
Bromobenzene		<25.0	µg/Kg	1
n-Propylbenzene		<25.0	µg/Kg	1
1,3,5-Trimethylbenzene		<25.0	µg/Kg	1
tert-Butylbenzene		<25.0	µg/Kg	1
1,2,4-Trimethylbenzene		<25.0	µg/Kg	1
1,4-Dichlorobenzene (para)		<25.0	µg/Kg	1
sec-Butylbenzene		<25.0	µg/Kg	1
1,3-Dichlorobenzene		<25.0	µg/Kg	1
p-Isopropyltoluene		<25.0	µg/Kg	1
4-Chlorotoluene		<25.0	µg/Kg	1
1,2-Dichlorobenzene (ortho)		<25.0	µg/Kg	1
n-Butylbenzene		<25.0	µg/Kg	1
1,2-Dibromo-3-chloropropane		<125	µg/Kg	5
1,2,3-Trichlorobenzene		<125	µg/Kg	5
1,2,4-Trichlorobenzene		<125	µg/Kg	5
Naphthalene		<125	µg/Kg	5
Hexachlorobutadiene		<125	µg/Kg	5

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Dibromofluoromethane		48.83	µg/Kg	1	50	97	87 - 121
Toluene-d8		50.75	µg/Kg	1	50	101	91 - 114
4-Bromofluorobenzene		47.14	µg/Kg	1	50	94	86 - 114

Method Blank QCBatch: QC11115

Param	Flag	Results	Units	Reporting Limit
Bromochloromethane		<25.0	µg/Kg	1
Dichlorodifluoromethane		<25.0	µg/Kg	1
Chloromethane (methyl chloride)		<25.0	µg/Kg	1
Vinyl Chloride		<25.0	µg/Kg	1
Bromomethane (methyl bromide)		<25.0	µg/Kg	1
Chloroethane		<25.0	µg/Kg	1
Trichlorofluoromethane		<25.0	µg/Kg	1
Acetone		<250	µg/Kg	10
Iodomethane (methyl iodide)		<125	µg/Kg	5
Carbon Disulfide		<25.0	µg/Kg	1
Acrylonitrile		<25.0	µg/Kg	1
2-Butanone (MEK)		<125	µg/Kg	5
4-methyl-2-pentanone (MIBK)		<125	µg/Kg	5
2-hexanone		<125	µg/Kg	5
trans 1,4-Dichloro-2-butene		<250	µg/Kg	10
1,1-Dichloroethene		<25.0	µg/Kg	1
Methylene chloride		<125	µg/Kg	5
MTBE		<25.0	µg/Kg	1
trans-1,2-Dichloroethene		<25.0	µg/Kg	1
1,1-Dichloroethane		<25.0	µg/Kg	1
cis-1,2-Dichloroethene		<25.0	µg/Kg	1
2,2-Dichloropropane		<25.0	µg/Kg	1
1,2-Dichloroethane (EDC)		<25.0	µg/Kg	1
Chloroform		<25.0	µg/Kg	1
1,1,1-Trichloroethane		<25.0	µg/Kg	1
1,1-Dichloropropene		<25.0	µg/Kg	1
Benzene		<25.0	µg/Kg	1
Carbon Tetrachloride		<25.0	µg/Kg	1
1,2-Dichloropropane		<25.0	µg/Kg	1
Trichloroethene (TCE)		<25.0	µg/Kg	1
Dibromomethane (methylene bromide)		<25.0	µg/Kg	1
Bromodichloromethane		<25.0	µg/Kg	1
2-Chloroethyl vinyl ether		<125	µg/Kg	5
cis-1,3-Dichloropropene		<25.0	µg/Kg	1
trans-1,3-Dichloropropene		<25.0	µg/Kg	1
Toluene		<25.0	µg/Kg	1
1,1,2-Trichloroethane		<25.0	µg/Kg	1
1,3-Dichloropropane		<25.0	µg/Kg	1
Dibromochloromethane		<25.0	µg/Kg	1
1,2-Dibromoethane (EDB)		<25.0	µg/Kg	1
Tetrachloroethene (PCE)		<25.0	µg/Kg	1
Chlorobenzene		<25.0	µg/Kg	1
1,1,1,2-Tetrachloroethane		<25.0	µg/Kg	1
Ethylbenzene		<25.0	µg/Kg	1
m,p-Xylene		<25.0	µg/Kg	1
Bromoform		<25.0	µg/Kg	1
Styrene		<25.0	µg/Kg	1
o-Xylene		<25.0	µg/Kg	1
1,1,2,2-Tetrachloroethane		<25.0	µg/Kg	1
2-Chlorotoluene		<25.0	µg/Kg	1
1,2,3-Trichloropropane		<25.0	µg/Kg	1
Isopropylbenzene		<25.0	µg/Kg	1
Bromobenzene		<25.0	µg/Kg	1
n-Propylbenzene		<25.0	µg/Kg	1

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Param	Flag	Results	Units	Reporting Limit
1,3,5-Trimethylbenzene		<25.0	µg/Kg	1
tert-Butylbenzene		<25.0	µg/Kg	1
1,2,4-Trimethylbenzene		<25.0	µg/Kg	1
1,4-Dichlorobenzene (para)		<25.0	µg/Kg	1
sec-Butylbenzene		<25.0	µg/Kg	1
1,3-Dichlorobenzene		<25.0	µg/Kg	1
p-Isopropyltoluene		<25.0	µg/Kg	1
4-Chlorotoluene		<25.0	µg/Kg	1
1,2-Dichlorobenzene (ortho)		<25.0	µg/Kg	1
n-Butylbenzene		<25.0	µg/Kg	1
1,2-Dibromo-3-chloropropane		<125	µg/Kg	5
1,2,3-Trichlorobenzene		<125	µg/Kg	5
1,2,4-Trichlorobenzene		<125	µg/Kg	5
Naphthalene		<125	µg/Kg	5
Hexachlorobutadiene		<125	µg/Kg	5

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Dibromofluoromethane		48.83	µg/Kg	1	50	97	87 - 112
Toluene-d8		50.75	µg/Kg	1	50	101	91 - 111
4-Bromofluorobenzene		47.14	µg/Kg	1	50	94	79 - 104

Method Blank

QCBatch: QC11118

Param	Flag	Results	Units	Reporting Limit
Total Arsenic		<10	mg/Kg	5
Total Barium		<20	mg/Kg	5
Total Cadmium		<5.0	mg/Kg	2
Total Chromium		<2.0	mg/Kg	5
Total Lead		<10	mg/Kg	5
Total Selenium		<10	mg/Kg	5
Total Silver		<2.5	mg/Kg	1

Method Blank

QCBatch: QC11120

Param	Flag	Results	Units	Reporting Limit
TCLP Arsenic		<1	mg/L	1
TCLP Barium		<1	mg/L	1
TCLP Cadmium		<0.2	mg/L	0.20
TCLP Chromium		<1	mg/L	1
TCLP Lead		<1	mg/L	1
TCLP Selenium		<1	mg/L	1
TCLP Silver		<0.5	mg/L	0.50

Method Blank

QCBatch: QC11134

Param	Flag	Results	Units	Reporting Limit
Benzene		<0.013	mg/Kg	0.001
Toluene		<0.013	mg/Kg	0.001
Ethylbenzene		<0.013	mg/Kg	0.001
M,P,O-Xylene		<0.013	mg/Kg	0.001
Total BTEX		<0.013	mg/Kg	0.001

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
TFT		1.27	mg/Kg	13	0.10	97	72 - 128
4-BFB		1.11	mg/Kg	13	0.10	85	72 - 128

Method Blank

QCBatch: QC11161

Param	Flag	Results	Units	Reporting Limit
Pyridine		<0.005	mg/Kg	0.25
n-Nitrosodimethylamine		<0.005	mg/Kg	0.25
2-Picoline		<0.005	mg/Kg	0.25
Methyl methanesulfonate		<0.005	mg/Kg	0.25
Ethyl methanesulfonate		<0.005	mg/Kg	0.25
Phenol		<0.005	mg/Kg	0.25
Aniline		<0.005	mg/Kg	0.25
bis (2-chloroethyl) ether		<0.005	mg/Kg	0.25
2-Chlorophenol		<0.005	mg/Kg	0.25
1,3-Dichlorobenzene		<0.005	mg/Kg	0.25
1,4-Dichlorobenzene		<0.005	mg/Kg	0.25
Benzyl alcohol		<0.005	mg/Kg	0.25
1,2-Dichlorobenzene		<0.005	mg/Kg	0.25
2-Methylphenol		<0.005	mg/Kg	0.25
bis (2-chloroisopropyl) ether		<0.005	mg/Kg	0.25
4-Methylphenol/3-Methylphenol		<0.005	mg/Kg	0.25
Acetophenone		<0.005	mg/Kg	0.25
n-Nitrosodi-n-propylamine		<0.005	mg/Kg	0.25
Hexachloroethane		<0.005	mg/Kg	0.25
Nitrobenzene		<0.005	mg/Kg	0.25
n-Nitrosopiperidine		<0.005	mg/Kg	0.25
Isophorone		<0.005	mg/Kg	0.25
2-Nitrophenol		<0.005	mg/Kg	0.25
2,4-Dimethylphenol		<0.005	mg/Kg	0.25
bis (2-chloroethoxy) methane		<0.005	mg/Kg	0.25
Benzoic acid		<0.005	mg/Kg	0.25
2,4-Dichlorophenol		<0.005	mg/Kg	0.25
1,2,4-Trichlorobenzene		<0.005	mg/Kg	0.25
a,a-Dimethylphenethylamine		<0.005	mg/Kg	0.25
Naphthalene		<0.005	mg/Kg	0.25
4-Chloroaniline		<0.005	mg/Kg	0.25
2,6-Dichlorophenol		<0.005	mg/Kg	0.25
Hexachlorobutadiene		<0.005	mg/Kg	0.25
n-Nitroso-di-n-butylamine		<0.005	mg/Kg	0.25
4-Chloro-3-methylphenol		<0.005	mg/Kg	0.25
1-Methylnaphthalene		<0.005	mg/Kg	0.25

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Param	Flag	Results	Units	Reporting Limit
2-Methylnaphthalene		<0.005	mg/Kg	0.25
1,2,4,5-Tetrachlorobenzene		<0.005	mg/Kg	0.25
Hexachlorocyclopentadiene		<0.005	mg/Kg	0.25
2,4,6-Trichlorophenol		<0.005	mg/Kg	0.25
2,4,5-Trichlorophenol		<0.005	mg/Kg	0.25
2-Chloronaphthalene		<0.005	mg/Kg	0.25
1-Chloronaphthalene		<0.005	mg/Kg	0.25
2-Nitroaniline		<0.005	mg/Kg	0.25
Dimethylphthalate		<0.005	mg/Kg	0.25
Acenaphthylene		<0.005	mg/Kg	0.25
2,6-Dinitrotoluene		<0.005	mg/Kg	0.25
3-Nitroaniline		<0.005	mg/Kg	0.25
Acenaphthene		<0.005	mg/Kg	0.25
2,4-Dinitrophenol		<0.005	mg/Kg	0.25
Dibenzofuran		<0.005	mg/Kg	0.25
Pentachlorobenzene		<0.005	mg/Kg	0.25
4-Nitrophenol		<0.005	mg/Kg	0.25
1-Naphthylamine		<0.005	mg/Kg	0.25
2,4-Dinitrotoluene		<0.005	mg/Kg	0.25
2-Naphthylamine		<0.005	mg/Kg	0.25
2,3,4,6-Tetrachlorophenol		<0.005	mg/Kg	0.25
Fluorene		<0.005	mg/Kg	0.25
Diethylphthalate		<0.005	mg/Kg	0.25
4-Chlorophenyl-phenylether		<0.005	mg/Kg	0.25
4-Nitroaniline		<0.005	mg/Kg	0.25
4,6-Dinitro-2-methylphenol		<0.005	mg/Kg	0.25
Diphenylamine		<0.005	mg/Kg	0.25
Diphenylhydrazine		<0.005	mg/Kg	0.25
4-Bromophenyl-phenylether		<0.005	mg/Kg	0.25
Phenacetin		<0.005	mg/Kg	0.25
Hexachlorobenzene		<0.005	mg/Kg	0.25
4-Aminobiphenyl		<0.005	mg/Kg	0.25
Pentachlorophenol		<0.005	mg/Kg	0.25
Pentachloronitrobenzene		<0.005	mg/Kg	0.25
Pronamide		<0.005	mg/Kg	0.25
Phenanthrene		<0.005	mg/Kg	0.25
Anthracene		<0.005	mg/Kg	0.25
Di-n-butylphthalate		<0.005	mg/Kg	0.25
Fluoranthene		<0.005	mg/Kg	0.25
Benzidine		<0.005	mg/Kg	0.25
Pyrene		<0.005	mg/Kg	0.25
p-Dimethylaminoazobenzene		<0.005	mg/Kg	0.25
Butylbenzylphthalate		<0.005	mg/Kg	0.25
Benzo(a)anthracene		<0.005	mg/Kg	0.25
3,3-Dichlorobenzidine		<0.005	mg/Kg	0.25
Chrysene		<0.005	mg/Kg	0.25
Bis (2-ethylhexyl) phthalate		<0.005	mg/Kg	0.25
Di-n-octylphthalate		<0.005	mg/Kg	0.25
Benzo(b)fluoranthene		<0.005	mg/Kg	0.25
7,12-Dimethylbenz(a)anthracene		<0.005	mg/Kg	0.25
Benzo(k)fluoranthene		<0.005	mg/Kg	0.25
Benzo(a)pyrene		<0.005	mg/Kg	0.25
3-Methylcholanthrene		<0.005	mg/Kg	0.25

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Param	Flag	Results	Units	Reporting Limit
Dibenzo(a,j)acridine		<0.005	mg/Kg	0.25
Indeno(1,2,3-cd)pyrene		<0.005	mg/Kg	0.25
Dibenzo(a,h)anthracene		<0.005	mg/Kg	0.25
Benzo(g,h,i)perylene		<0.005	mg/Kg	0.25

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
2-Fluorophenol		74.29	mg/Kg	1	80	92	25 - 121
Phenol-d5		71.09	mg/Kg	1	80	88	24 - 113
Nitrobenzene-d5		71.53	mg/Kg	1	80	89	23 - 120
2-Fluorobiphenyl		79.01	mg/Kg	1	80	98	30 - 115
2,4,6-Tribromophenol		57.77	mg/Kg	1	80	72	19 - 122
Terphenyl-d14		73.85	mg/Kg	1	80	92	28 - 137

Method Blank

QCBatch: QC11190

Param	Flag	Results	Units	Reporting Limit
Specific Conductance		6.77	μMHOS/cm	

Method Blank

QCBatch: QC11196

Param	Flag	Results	Units	Reporting Limit
TCLP Mercury		<0.010	mg/L	0.01

Method Blank

QCBatch: QC11207

Param	Flag	Results	Units	Reporting Limit
Vinyl Chloride		<0.05	mg/L	0.001
1,1-Dichloroethene		<0.05	mg/L	0.001
Methyl ethyl ketone		<0.50	mg/L	0.01
Chloroform		<0.05	mg/L	0.001
1,2-Dichloroethane (EDC)		<0.05	mg/L	0.001
Benzene		<0.05	mg/L	0.001
Carbon Tetrachloride		<0.05	mg/L	0.001
Trichloroethene (TCE)		<0.05	mg/L	0.001
Tetrachloroethene (PCE)		<0.05	mg/L	0.001
Chlorobenzene		<0.05	mg/L	0.001
1,4-Dichlorobenzene		<0.05	mg/L	0.001

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Dibromofluoromethane		43	mg/L	1	50	86	85 - 115

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Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Toluene-d8		45.5	mg/L	1	50	91	86 - 114
4-Bromofluorobenzene		47.5	mg/L	1	50	95	79 - 108

Method Blank

QCBatch: QC11294

Param	Flag	Results	Units	Reporting Limit
Hydroxide Alkalinity		<1.0	mg/Kg as CaCo3	1
Carbonate Alkalinity		<1.0	mg/Kg as CaCo3	1
Bicarbonate Alkalinity		<4.0	mg/Kg as CaCo3	1
Total Alkalinity		<4.0	mg/Kg as CaCo3	1

Method Blank

QCBatch: QC12510

Param	Flag	Results	Units	Reporting Limit
Pyridine		<0.05	mg/L	0.05
1,4-Dichlorobenzene		<0.05	mg/L	0.05
o-Cresol		<0.05	mg/L	0.05
m,p-Cresol		<0.05	mg/L	0.05
Hexachloroethane		<0.05	mg/L	0.05
Nitrobenzene		<0.05	mg/L	0.05
Hexachlorobutadiene		<0.05	mg/L	0.05
2,4,6-Trichlorophenol		<0.05	mg/L	0.05
2,4,5-Trichlorophenol		<0.05	mg/L	0.05
2,4-Dinitrotoluene		<0.05	mg/L	0.05
2,4-D		<0.05	mg/L	0.05
Hexachlorobenzene		<0.05	mg/L	0.05
2,4,5-TP		<0.05	mg/L	0.05
Pentachlorophenol		<0.05	mg/L	0.05

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
2-Fluorophenol		22.11	mg/L	1	80	27	21 - 100
Phenol-d5		13.03	mg/L	1	80	16	10 - 94
Nitrobenzene-d5		67.05	mg/L	1	80	83	35 - 114
2-Fluorobiphenyl		68.19	mg/L	1	80	85	43 - 116
2,4,6-Tribromophenol		58.54	mg/L	1	80	73	10 - 123
Terphenyl-d14		71.95	mg/L	1	80	89	33 - 141

Quality Control Report
Duplicate Samples

Duplicate

QCBatch: QC11047

Param	Flag	Duplicate Result	Sample Result	Units	Dilution	RPD	RPD Limit
Reactivity		non	Non-reactive		1	0	20
Hydrogen Cyanide		<2.5	<2.5		1	0	20
Hydrogen Sulfide		<10	<10		1	0	20

Duplicate QCBatch: QC11048

Param	Flag	Duplicate Result	Sample Result	Units	Dilution	RPD	RPD Limit
Corrosivity		non		mm/yr	1	0	20
Corrosivity		non	non	mm/yr	1	0	20
pH		5.74		s.u.	1	0	20
pH		5.74	5.76	s.u.	1	0	20

Duplicate QCBatch: QC11049

Param	Flag	Duplicate Result	Sample Result	Units	Dilution	RPD	RPD Limit
Ignitability		non	non-ignitable		1	0	20

Duplicate QCBatch: QC11190

Param	Flag	Duplicate Result	Sample Result	Units	Dilution	RPD	RPD Limit
Specific Conductance		32604	32600	μMHOS/cm	1	0	6.1

Duplicate QCBatch: QC11250

Param	Flag	Duplicate Result	Sample Result	Units	Dilution	RPD	RPD Limit
pH		6.9	6.9	s.u.	1	0	0.85

Duplicate QCBatch: QC11294

Param	Flag	Duplicate Result	Sample Result	Units	Dilution	RPD	RPD Limit
Hydroxide Alkalinity		<1.0	<1.0	mg/Kg as CaCo3	1	0	7
Carbonate Alkalinity		<1.0	<1.0	mg/Kg as CaCo3	1	0	7
Bicarbonate Alkalinity		40	38	mg/Kg as CaCo3	1	5	7
Total Alkalinity		40	38	mg/Kg as CaCo3	1	5	7

Quality Control Report
Lab Control Spikes and Duplicate Spikes

Laboratory Control Spikes

QCBatch: QC11034

Param	LCS Result	LCSD Result	Units	Dil.	Spike Amount Added	Matrix Result	% Rec	RPD	% Rec Limit	RPD Limit
Total Mercury	2.55	2.48	mg/Kg	1	2.50	<0.19	102	2	83 - 124	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spikes

QCBatch: QC11065

Param	LCS Result	LCSD Result	Units	Dil.	Spike Amount Added	Matrix Result	% Rec	RPD	% Rec Limit	RPD Limit
CL	[5] 14.52	[6] 14.43	mg/Kg	1	12.50	2.90	116	0	90 - 110	20
Fluoride	2.77	2.79	mg/Kg	1	2.50	<1.0	110	0	90 - 110	20
Nitrate-N	2.66	2.64	mg/Kg	1	2.50	<1.0	106	0	90 - 110	20
Sulfate	[7] 20.80	[8] 20.72	mg/Kg	1	12.50	8.14	166	0	90 - 110	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spikes

QCBatch: QC11114

Param	LCS Result	LCSD Result	Units	Dil.	Spike Amount Added	Matrix Result	% Rec	RPD	% Rec Limit	RPD Limit
1,1-Dichloroethene	105	108	µg/Kg	1	100	<25.0	105	2	67 - 131	20
Benzene	98	99	µg/Kg	1	100	<25.0	98	1	74 - 120	20
Trichloroethene (TCE)	94	96	µg/Kg	1	100	<25.0	94	2	74 - 115	20
Toluene	97	97	µg/Kg	1	100	<25.0	97	0	74 - 117	20
Chlorobenzene	101	102	µg/Kg	1	100	<25.0	101	0	81 - 116	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	LCS Result	LCSD Result	Units	Dilution	Spike Amount	LCS % Rec	LCSD % Rec	Recovery Limits
Dibromofluoromethane	44.19	44.64	µg/Kg	1	50	88	89	87 - 121
Toluene-d8	51.59	51.51	µg/Kg	1	50	103	103	91 - 114
4-Bromofluorobenzene	49.32	49.46	µg/Kg	1	50	98	98	86 - 114

Laboratory Control Spikes

QCBatch: QC11115

Param	LCS Result	LCSD Result	Units	Dil.	Spike Amount Added	Matrix Result	% Rec	RPD	% Rec Limit	RPD Limit
1,1-Dichloroethene	105	108	µg/Kg	1	100	<25.0	105	2	67 - 131	20
Benzene	98	99	µg/Kg	1	100	<25.0	98	1	74 - 120	20
Trichloroethene (TCE)	94	96	µg/Kg	1	100	<25.0	94	2	74 - 115	20
Toluene	97	97	µg/Kg	1	100	<25.0	97	0	74 - 117	20
Chlorobenzene	101	102	µg/Kg	1	100	<25.0	101	0	81 - 116	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

[5]Sample master doesn't subtract the blank from the spikes. The correct %EA = 93.
[6]Sample master doesn't subtract the blank from the spikes.
[7]Sample master doesn't subtract the blank from the spikes. The correct %EA = 101.
[8]Sample master doesn't subtract the blank from the spikes.

Surrogate	LCS Result	LCSD Result	Units	Dilution	Spike Amount	LCS % Rec	LCSD % Rec	Recovery Limits
Dibromofluoromethane	44.19	44.64	µg/Kg	1	50	88	89	87 - 112
Toluene-d8	51.59	51.51	µg/Kg	1	50	103	103	91 - 111
4-Bromofluorobenzene	49.32	49.46	µg/Kg	1	50	98	98	79 - 104

Laboratory Control Spikes

QCBatch: QC11118

Param	LCS Result	LCSD Result	Units	Dil.	Spike Amount Added	Matrix Result	% Rec	RPD	% Rec Limit	RPD Limit
Total Arsenic	48.2	48.9	mg/Kg	1	50	<10	96	1	80 - 120	20
Total Barium	97	100	mg/Kg	1	100	<20	97	3	80 - 120	20
Total Cadmium	23.1	23.8	mg/Kg	1	25	<5.0	92	2	80 - 120	20
Total Chromium	10	10.2	mg/Kg	1	10	<2.0	100	1	80 - 120	20
Total Lead	45.8	46	mg/Kg	1	50	<10	91	0	80 - 120	20
Total Selenium	41.6	46.5	mg/Kg	1	50	<10	83	11	80 - 120	20
Total Silver	11.2	11	mg/Kg	1	12.50	<2.5	89	1	80 - 120	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spikes

QCBatch: QC11120

Param	LCS Result	LCSD Result	Units	Dil.	Spike Amount Added	Matrix Result	% Rec	RPD	% Rec Limit	RPD Limit
TCLP Arsenic	5.97	6.06	mg/L	1	5	<1	119	1	80 - 120	20
TCLP Barium	10.1	10.1	mg/L	1	10	<1	101	0	80 - 120	20
TCLP Cadmium	2.63	2.63	mg/L	1	2.50	<0.2	105	0	80 - 120	20
TCLP Chromium	1.03	1.03	mg/L	1	1	<1	103	0	80 - 120	20
TCLP Lead	5.18	5.21	mg/L	1	5	<1	103	0	80 - 120	20
TCLP Selenium	4.79	4.86	mg/L	1	5	<1	95	1	80 - 120	20
TCLP Silver	1.21	1.22	mg/L	1	1.25	<0.5	96	0	80 - 120	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spikes

QCBatch: QC11134

Param	LCS Result	LCSD Result	Units	Dil.	Spike Amount Added	Matrix Result	% Rec	RPD	% Rec Limit	RPD Limit
MTBE	1.28	1.19	mg/Kg	1	0.10	<0.013	98	7	80 - 120	20
Benzene	1.33	1.29	mg/Kg	1	0.10	<0.013	102	3	80 - 120	20
Toluene	1.25	1.23	mg/Kg	1	0.10	<0.013	96	1	80 - 120	20
Ethylbenzene	1.22	1.2	mg/Kg	1	0.10	<0.013	93	1	80 - 120	20
M,P,O-Xylene	3.7	3.62	mg/Kg	1	0.30	<0.013	94	2	80 - 120	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	LCS Result	LCSD Result	Units	Dilution	Spike Amount	LCS % Rec	LCSD % Rec	Recovery Limits
TFT	1.3	1.25	mg/Kg	13	0.10	100	96	72 - 128
4-BFB	1.23	1.19	mg/Kg	13	0.10	94	91	72 - 128

Laboratory Control Spikes

QCBatch: QC11161

Param	LCS Result	LCSD Result	Units	Dil.	Spike Amount Added	Matrix Result	% Rec	RPD	% Rec Limit	RPD Limit
Phenol	61.85	60.98	mg/Kg	1	80	<0.005	77	1	5 - 112	20
2-Chlorophenol	65.39	65.57	mg/Kg	1	80	<0.005	81	0	23 - 134	20
1,4-Dichlorobenzene	65.12	66.4	mg/Kg	1	80	<0.005	81	1	20 - 124	20
n-Nitrosodi-n-propylamine	64.62	64.84	mg/Kg	1	80	<0.005	80	0	0 - 230	20
1,2,4-Trichlorobenzene	66.83	67.75	mg/Kg	1	80	<0.005	83	1	44 - 142	20
4-Chloro-3-methylphenol	62.5	61.65	mg/Kg	1	80	<0.005	78	1	22 - 147	20
Acenaphthene	74.08	74.8	mg/Kg	1	80	<0.005	92	0	47 - 145	20
4-Nitrophenol	32.14	32.26	mg/Kg	1	80	<0.005	40	0	0 - 132	20
2,4-Dinitrotoluene	66.95	67.35	mg/Kg	1	80	<0.005	83	0	39 - 139	20
Pentachlorophenol	26.12	24.36	mg/Kg	1	80	<0.005	32	6	14 - 176	20
Pyrene	72.08	74.97	mg/Kg	1	80	<0.005	90	3	52 - 115	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	LCS Result	LCSD Result	Units	Dilution	Spike Amount	LCS % Rec	LCSD % Rec	Recovery Limits
2-Fluorophenol	58.85	59.29	mg/Kg	1	80	73	74	25 - 121
Phenol-d5	59.9	59.2	mg/Kg	1	80	74	74	24 - 113
Nitrobenzene-d5	62.21	61.81	mg/Kg	1	80	77	77	23 - 120
2-Fluorobiphenyl	66.78	67.98	mg/Kg	1	80	83	84	30 - 115
2,4,6-Tribromophenol	57.01	57.54	mg/Kg	1	80	71	71	19 - 122
Terphenyl-d14	65.59	68.69	mg/Kg	1	80	81	85	28 - 137

Laboratory Control Spikes

QCBatch: QC11196

Param	LCS Result	LCSD Result	Units	Dil.	Spike Amount Added	Matrix Result	% Rec	RPD	% Rec Limit	RPD Limit
TCLP Mercury	0.0523	0.0415	mg/L	1	0.05	<0.010	104	23	80 - 119	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spikes

QCBatch: QC11207

Param	LCS Result	LCSD Result	Units	Dil.	Spike Amount Added	Matrix Result	% Rec	RPD	% Rec Limit	RPD Limit
Vinyl Chloride	3.35	3.49	mg/L	1	5	<0.05	67	4	36 - 130	20
1,1-Dichloroethene	4.91	5.07	mg/L	1	5	<0.05	98	3	63 - 165	20
Methyl ethyl ketone	4.24	4.35	mg/L	1	5	<0.50	84	2	41 - 169	20
Chloroform	4.80	5.03	mg/L	1	5	<0.05	96	4	72 - 133	20
1,2-Dichloroethane (EDC)	4.45	4.68	mg/L	1	5	<0.05	89	5	80 - 127	20
Benzene	4.39	4.54	mg/L	1	5	<0.05	87	3	77 - 129	20
Carbon Tetrachloride	5.14	5.38	mg/L	1	5	<0.05	102	4	62 - 162	20
Trichloroethene (TCE)	4.24	4.44	mg/L	1	5	<0.05	84	4	81 - 119	20
Tetrachloroethene (PCE)	5.12	5.24	mg/L	1	5	<0.05	102	2	50 - 131	20
Chlorobenzene	4.72	4.96	mg/L	1	5	<0.05	94	4	88 - 118	20
1,4-Dichlorobenzene	5.99	6.18	mg/L	1	5	<0.05	119	3	84 - 124	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	LCS Result	LCSD Result	Units	Dilution	Spike Amount	LCS % Rec	LCSD % Rec	Recovery Limits
Dibromofluoromethane	50.5	51.5	mg/L	1	50	101	103	85 - 115
Toluene-d8	46.5	47	mg/L	1	50	93	94	86 - 114
4-Bromofluorobenzene	46	46.5	mg/L	1	50	92	93	79 - 108

Laboratory Control Spikes

QCBatch: QC12510

Param	LCS Result	LCSD Result	Units	Dil.	Spike Amount Added	Matrix Result	% Rec	RPD	% Rec Limit	RPD Limit
Pyridine	16.07	15.55	mg/L	1	80	<0.05	20	3	0 - 92	20
1,4-Dichlorobenzene	38.04	37.51	mg/L	1	80	<0.05	47	1	20 - 124	20
o-Cresol	23.70	22.88	mg/L	1	80	<0.05	29	3	41 - 92	20
m,p-Cresol	49.35	47.94	mg/L	1	160	<0.05	30	2	7 - 127	20
Hexachloroethane	40.59	38.79	mg/L	1	80	<0.05	50	4	40 - 113	20
Nitrobenzene	44.54	43.81	mg/L	1	80	<0.05	55	1	35 - 186	20
Hexachlorobutadiene	41.44	41.56	mg/L	1	80	<0.05	51	0	24 - 116	20
2,4,6-Trichlorophenol	41.20	40.30	mg/L	1	80	<0.05	51	2	37 - 144	20
2,4,5-Trichlorophenol	41.27	41.89	mg/L	1	80	<0.05	51	1	49 - 185	20
2,4-Dinitrotoluene	52.11	49.45	mg/L	1	80	<0.05	65	5	39 - 139	20
2,4-D	<10	<10	mg/L	1	80	<0.05	0	0	2 - 92	20
Hexachlorobenzene	49.81	50.64	mg/L	1	80	<0.05	62	1	0 - 152	20
2,4,5-TP	<10	<10	mg/L	1	80	<0.05	0	0	0 - 112	20
Pentachlorophenol	28.62	19.65	mg/L	1	80	<0.05	35	37	14 - 176	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	LCS Result	LCSD Result	Units	Dilution	Spike Amount	LCS % Rec	LCSD % Rec	Recovery Limits
2-Fluorophenol	15.89	15.18	mg/L	1	80	19	18	21 - 100
Phenol-d5	9.53	9.40	mg/L	1	80	11	11	10 - 94
Nitrobenzene-d5	45.69	45.30	mg/L	1	80	57	56	35 - 114
2-Fluorobiphenyl	44.77	44.70	mg/L	1	80	55	55	43 - 116
2,4,6-Tribromophenol	43.68	40.93	mg/L	1	80	54	51	10 - 123
Terphenyl-d14	41.21	42.36	mg/L	1	80	51	52	33 - 141

Quality Control Report
Matrix Spikes and Duplicate Spikes

Matrix Spikes

QCBatch: QC11034

Param	MS Result	MSD Result	Units	Dil.	Spike Amount Added	Matrix Result	% Rec	RPD	% Rec Limit	RPD Limit
Total Mercury	2.51	2.53	mg/Kg	1	2.50	<0.19	100	0	83 - 124	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spikes

QCBatch: QC11035

Param	MS Result	MSD Result	Units	Dil.	Spike Amount Added	Matrix Result	% Rec	RPD	% Rec Limit	RPD Limit
Total Mercury	2.61	2.63	mg/Kg	1	2.50	<0.19	104	0	83 - 124	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spikes

QCBatch: QC11065

Param	MS Result	MSD Result	Units	Dil.	Spike Amount Added	Matrix Result	% Rec	RPD	% Rec Limit	RPD Limit
CL	3213.81	3221.40	mg/Kg	1	1250	2130	86	0	70 - 115	20
Fluoride	[9] 254.30	[10] 252.64	mg/Kg	1	250	<5.0	101	0	77 - 111	20
Nitrate-N	[11] 261.83	[12] 257.80	mg/Kg	1	250	<5.0	104	1	80 - 112	20
Sulfate	2648.39	2617.28	mg/Kg	1	1250	1320	106	2	74 - 118	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spikes

QCBatch: QC11118

Param	MS Result	MSD Result	Units	Dil.	Spike Amount Added	Matrix Result	% Rec	RPD	% Rec Limit	RPD Limit
Total Arsenic	46.7	43.7	mg/Kg	1	50	<10	93	6	75 - 125	20
Total Barium	158	141	mg/Kg	1	100	74.3	83	22	75 - 125	20
Total Cadmium	24.1	24.3	mg/Kg	1	25	<5.0	96	0	75 - 125	20
Total Chromium	13.9	12.7	mg/Kg	1	10	5.34	85	15	75 - 125	20
Total Lead	67.1	64.4	mg/Kg	1	50	22.3	89	6	75 - 125	20
Total Selenium	41.8	43.5	mg/Kg	1	50	<10	83	3	75 - 125	20
Total Silver	11.3	11.7	mg/Kg	1	12.50	<2.5	90	3	75 - 125	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spikes

QCBatch: QC11120

Param	MS Result	MSD Result	Units	Dil.	Spike Amount Added	Matrix Result	% Rec	RPD	% Rec Limit	RPD Limit
TCLP Arsenic	6.24	6.08	mg/L	1	5	<1	124	2	75 - 125	20
TCLP Barium	10.6	10.4	mg/L	1	10	<1	106	1	75 - 125	20
TCLP Cadmium	2.74	2.69	mg/L	1	2.50	<0.2	109	1	75 - 125	20
TCLP Chromium	1.06	1.05	mg/L	1	1	<1	106	0	75 - 125	20
TCLP Lead	5.4	5.32	mg/L	1	5	<1	108	1	75 - 125	20
TCLP Selenium	5.04	4.87	mg/L	1	5	<1	100	3	75 - 125	20
TCLP Silver	1.26	1.23	mg/L	1	1.25	<0.5	100	2	75 - 125	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

[9] I spiked the *100 dilution for 170576, but reported the *5 dilution.
[10] I spiked the *100 dilution for 170576, but reported the *5 dilution.
[11] I spiked the *100 dilution for 170576, but reported the *5 dilution.
[12] I spiked the *100 dilution for 170576, but reported the *5 dilution.

Matrix Spikes

QCBatch: QC11196

Param	MS Result	MSD Result	Units	Dil.	Spike Amount Added	Matrix Result	% Rec	RPD	% Rec Limit	RPD Limit
TCLP Mercury	0.0503	0.0505	mg/L	1	0.05	<0.010	100	0	83 - 125	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spikes

QCBatch: QC12510

Param	MS Result	MSD Result	Units	Dil.	Spike Amount Added	Matrix Result	% Rec	RPD	% Rec Limit	RPD Limit
Pyridine	<10	<10	mg/L	1	80	<0.05	0	0	0 - 92	20
1,4-Dichlorobenzene	40.30	41.28	mg/L	1	80	<0.05	50	2	20 - 124	20
o-Cresol	39.77	38.21	mg/L	1	80	<0.05	49	4	41 - 92	20
m,p-Cresol	92.88	87.25	mg/L	1	160	<0.05	58	6	7 - 127	20
Hexachloroethane	43.84	43.61	mg/L	1	80	<0.05	54	0	40 - 113	20
Nitrobenzene	48.52	49.40	mg/L	1	80	<0.05	60	1	35 - 186	20
Hexachlorobutadiene	47.26	48.26	mg/L	1	80	<0.05	59	2	24 - 116	20
2,4,6-Trichlorophenol	51.06	46.29	mg/L	1	80	<0.05	63	9	37 - 144	20
2,4,5-Trichlorophenol	51.25	48.45	mg/L	1	80	<0.05	64	5	49 - 185	20
2,4-Dinitrotoluene	56.48	56.33	mg/L	1	80	<0.05	70	0	39 - 139	20
2,4-D	18.55	16.23	mg/L	1	80	<0.05	23	13	2 - 92	20
Hexachlorobenzene	61.75	61.08	mg/L	1	80	<0.05	77	1	0 - 152	20
2,4,5-TP	14.40	11.54	mg/L	1	80	<0.05	18	22	0 - 112	20
Pentachlorophenol	39.38	35.21	mg/L	1	80	<0.05	49	11	14 - 176	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	MS Result	MSD Result	Units	Dilution	Spike Amount	MS % Rec	MSD % Rec	Recovery Limits
2-Fluorophenol	31.21	30.81	mg/L	1	80	39	38	21 - 100
Phenol-d5	25.22	24.87	mg/L	1	80	31	31	10 - 94
Nitrobenzene-d5	48.36	48.66	mg/L	1	80	60	60	35 - 114
2-Fluorobiphenyl	50.89	52.13	mg/L	1	80	63	65	43 - 116
2,4,6-Tribromophenol	48.34	41.78	mg/L	1	80	60	52	10 - 123
Terphenyl-d14	56.20	53.20	mg/L	1	80	70	66	33 - 141

Quality Control Report
Continuing Calibration Verification Standards

CCV (1)

QCBatch: QC11016

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
TRPHC		mg/Kg	100	98.1	98	75 - 125	5/8/01

CCV (2)

QCBatch: QC11016

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
TRPHC		mg/Kg	100	104	104	75 - 125	5/8/01

ICV (1) QCBatch: QC11016

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
TRPHC		mg/Kg	100	98.6	98	75 - 125	5/8/01

CCV (1) QCBatch: QC11034

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Mercury		mg/Kg	0.005	0.00480	96	80 - 120	5/8/01

ICV (1) QCBatch: QC11034

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Mercury		mg/Kg	0.005	0.00488	97	80 - 120	5/8/01

CCV (1) QCBatch: QC11035

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Mercury		mg/L	0.005	0.00480	96	80 - 120	4/8/01

ICV (1) QCBatch: QC11035

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Mercury		mg/L	0.005	0.00488	97	80 - 120	4/8/01

CCV (1) QCBatch: QC11065

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Bromide		mg/Kg	2.50	2.67	106	90 - 110	5/9/01
CL		mg/Kg	12.50	12.12	96	90 - 110	5/9/01
Fluoride		mg/Kg	2.50	2.44	97	90 - 110	5/9/01
Nitrate-N		mg/Kg	2.50	2.49	99	90 - 110	5/9/01
Sulfate		mg/Kg	12.50	12.60	100	90 - 110	5/9/01

ICV (1)

QCBatch: QC11065

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Bromide		mg/Kg	2.50	2.69	107	90 - 110	5/9/01
CL		mg/Kg	12.50	12.21	97	90 - 110	5/9/01
Fluoride		mg/Kg	2.50	2.44	97	90 - 110	5/9/01
Nitrate-N		mg/Kg	2.50	2.48	99	90 - 110	5/9/01
Sulfate		mg/Kg	12.50	12.71	101	90 - 110	5/9/01

CCV (1)

QCBatch: QC11106

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Phenol		mg/Kg	60	55.78	92	80 - 120	5/8/01
1,4-Dichlorobenzene		mg/Kg	60	54.79	91	80 - 120	5/8/01
2-Nitrophenol		mg/Kg	60	53.86	89	80 - 120	5/8/01
2,4-Dichlorophenol		mg/Kg	60	55.12	91	80 - 120	5/8/01
Hexachlorobutadiene		mg/Kg	60	54.32	90	80 - 120	5/8/01
4-Chloro-3-methylphenol		mg/Kg	60	54.71	91	80 - 120	5/8/01
2,4,6-Trichlorophenol		mg/Kg	60	52.71	87	80 - 120	5/8/01
Acenaphthene		mg/Kg	60	55.45	92	80 - 120	5/8/01
Diphenylamine		mg/Kg	60	55.97	93	80 - 120	5/8/01
Fluoranthene		mg/Kg	60	69.41	115	80 - 120	5/8/01
Di-n-octylphthalate		mg/Kg	60	63.25	105	80 - 120	5/8/01
Benzo(a)pyrene		mg/Kg	60	57.41	95	80 - 120	5/8/01
2-Fluorophenol		mg/Kg	60	54.89	91	80 - 120	5/8/01
Phenol-d5		mg/Kg	60	58.66	97	80 - 120	5/8/01
Nitrobenzene-d5		mg/Kg	60	55.88	93	80 - 120	5/8/01
2-Fluorobiphenyl		mg/Kg	60	54.24	90	80 - 120	5/8/01
2,4,6-Tribromophenol		mg/Kg	60	51.11	85	80 - 120	5/8/01
Terphenyl-d14		mg/Kg	60	62.03	103	80 - 120	5/8/01

CCV (1)

QCBatch: QC11114

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Vinyl Chloride		µg/Kg	100	88	88	80 - 120	5/11/01

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Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
1,1-Dichloroethene		µg/Kg	100	89	89	80 - 120	5/11/01
Chloroform		µg/Kg	100	89	89	80 - 120	5/11/01
1,2-Dichloropropane		µg/Kg	100	94	94	80 - 120	5/11/01
Toluene		µg/Kg	100	91	91	80 - 120	5/11/01
Chlorobenzene		µg/Kg	100	99	99	80 - 120	5/11/01
Ethylbenzene		µg/Kg	100	100	100	80 - 120	5/11/01
Dibromofluoromethane		µg/Kg	50	44.36	88	80 - 120	5/11/01
Toluene-d8		µg/Kg	50	50.67	101	80 - 120	5/11/01
4-Bromofluorobenzene		µg/Kg	50	48.92	97	80 - 120	5/11/01

CCV (1) QCBatch: QC11115

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Vinyl Chloride		µg/Kg	100	88	88	80 - 120	5/11/01
1,1-Dichloroethene		µg/Kg	100	89	89	80 - 120	5/11/01
Chloroform		µg/Kg	100	89	89	80 - 120	5/11/01
1,2-Dichloropropane		µg/Kg	100	94	94	80 - 120	5/11/01
Toluene		µg/Kg	100	91	91	80 - 120	5/11/01
Chlorobenzene		µg/Kg	100	99	99	80 - 120	5/11/01
Ethylbenzene		µg/Kg	100	100	100	80 - 120	5/11/01
Dibromofluoromethane		µg/Kg	50	44.36	88	80 - 120	5/11/01
Toluene-d8		µg/Kg	50	50.67	101	80 - 120	5/11/01
4-Bromofluorobenzene		µg/Kg	50	48.92	97	80 - 120	5/11/01

CCV (1) QCBatch: QC11118

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Arsenic		mg/L	1	.92	92	90 - 110	5/12/01
Total Barium		mg/L	2	1.90	95	90 - 110	5/12/01
Total Cadmium		mg/L	0.50	.48	96	90 - 110	5/12/01
Total Chromium		mg/L	0.20	.18	90	90 - 110	5/12/01
Total Lead		mg/L	1	.91	91	90 - 110	5/12/01
Total Selenium		mg/L	1	.97	97	90 - 110	5/12/01
Total Silver		mg/L	0.25	.23	92	90 - 110	5/12/01

ICV (1) QCBatch: QC11118

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Arsenic		mg/L	1	1.01	101	90 - 110	5/12/01
Total Barium		mg/L	2	1.95	97	90 - 110	5/12/01

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Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Cadmium		mg/L	0.50	.49	98	90 - 110	5/12/01
Total Chromium		mg/L	0.20	.20	100	90 - 110	5/12/01
Total Lead		mg/L	1	.97	97	90 - 110	5/12/01
Total Selenium		mg/L	1	1.02	102	90 - 110	5/12/01
Total Silver		mg/L	0.25	.24	96	90 - 110	5/12/01

CCV (1) QCBatch: QC11120

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
TCLP Arsenic		mg/L	1	1.07	107	90 - 110	5/12/01
TCLP Barium		mg/L	2	2.07	103	90 - 110	5/12/01
TCLP Cadmium		mg/L	0.50	0.531	106	90 - 110	5/12/01
TCLP Chromium		mg/L	0.20	0.208	104	90 - 110	5/12/01
TCLP Lead		mg/L	1	1.05	105	90 - 110	5/12/01
TCLP Selenium		mg/L	1	1.06	106	90 - 110	5/12/01
TCLP Silver		mg/L	0.25	0.247	98	90 - 110	5/12/01

ICV (1) QCBatch: QC11120

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
TCLP Arsenic		mg/L	1	1.03	103	90 - 110	5/12/01
TCLP Barium		mg/L	2	2	100	90 - 110	5/12/01
TCLP Cadmium		mg/L	0.50	0.501	100	90 - 110	5/12/01
TCLP Chromium		mg/L	0.20	0.2	100	90 - 110	5/12/01
TCLP Lead		mg/L	1	1	100	90 - 110	5/12/01
TCLP Selenium		mg/L	1	1	100	90 - 110	5/12/01
TCLP Silver		mg/L	0.25	0.249	99	90 - 110	5/12/01

CCV (1) QCBatch: QC11123

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Arsenic		mg/L	1	1.07	107	90 - 110	5/12/01
Total Barium		mg/L	2	2.09	104	90 - 110	5/12/01
Total Cadmium		mg/L	0.50	0.531	106	90 - 110	5/12/01
Total Chromium		mg/L	0.20	0.209	104	90 - 110	5/12/01
Total Lead		mg/L	1	1.05	105	90 - 110	5/12/01
Total Selenium		mg/L	1	1.04	104	90 - 110	5/12/01
Total Silver		mg/L	0.25	0.251	100	90 - 110	5/12/01

ICV (1) QCBatch: QC11123

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Arsenic		mg/L	1	1.03	103	90 - 110	5/12/01
Total Barium		mg/L	2	2	100	90 - 110	5/12/01
Total Cadmium		mg/L	0.50	0.501	100	90 - 110	5/12/01
Total Chromium		mg/L	0.20	0.20	100	90 - 110	5/12/01
Total Lead		mg/L	1	1	100	90 - 110	5/12/01
Total Selenium		mg/L	1	1	100	90 - 110	5/12/01
Total Silver		mg/L	0.25	0.249	99	90 - 110	5/12/01

CCV (1) QCBatch: QC11134

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
MTBE		mg/Kg	0.10	0.106	106	85 - 115	5/11/01
Benzene		mg/Kg	0.10	0.103	103	85 - 115	5/11/01
Toluene		mg/Kg	0.10	0.0977	97	85 - 115	5/11/01
Ethylbenzene		mg/Kg	0.10	0.0921	92	85 - 115	5/11/01
M,P,O-Xylene		mg/Kg	0.30	0.272	90	85 - 115	5/11/01

ICV (1) QCBatch: QC11134

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
MTBE		mg/Kg	0.10	0.102	102	85 - 115	5/11/01
Benzene		mg/Kg	0.10	0.103	103	85 - 115	5/11/01
Toluene		mg/Kg	0.10	0.0985	98	85 - 115	5/11/01
Ethylbenzene		mg/Kg	0.10	0.0972	97	85 - 115	5/11/01
M,P,O-Xylene		mg/Kg	0.30	0.29	96	85 - 115	5/11/01

CCV (1) QCBatch: QC11161

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Phenol		mg/Kg	60	58.24	97	80 - 120	5/14/01
1,4-Dichlorobenzene		mg/Kg	60	55.21	92	80 - 120	5/14/01
2-Nitrophenol		mg/Kg	60	57.84	96	80 - 120	5/14/01
2,4-Dichlorophenol		mg/Kg	60	57.29	95	80 - 120	5/14/01
Hexachlorobutadiene		mg/Kg	60	53.28	88	80 - 120	5/14/01
4-Chloro-3-methylphenol		mg/Kg	60	58.54	97	80 - 120	5/14/01
2,4,6-Trichlorophenol		mg/Kg	60	55.18	91	80 - 120	5/14/01
Acenaphthene		mg/Kg	60	54.59	90	80 - 120	5/14/01
Diphenylamine		mg/Kg	60	56.46	94	80 - 120	5/14/01
Pentachlorophenol		mg/Kg	60	64.19	106	80 - 120	5/14/01

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Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Fluoranthene		mg/Kg	60	62.7	104	80 - 120	5/14/01
Di-n-octylphthalate		mg/Kg	60	70.88	118	80 - 120	5/14/01
Benzo(a)pyrene		mg/Kg	60	56.16	93	80 - 120	5/14/01
2-Fluorophenol		mg/Kg	60	56.29	93	80 - 120	5/14/01
Phenol-d5		mg/Kg	60	60.49	100	80 - 120	5/14/01
Nitrobenzene-d5		mg/Kg	60	56.27	93	80 - 120	5/14/01
2-Fluorobiphenyl		mg/Kg	60	54.13	90	80 - 120	5/14/01
2,4,6-Tribromophenol		mg/Kg	60	59.29	98	80 - 120	5/14/01
Terphenyl-d14		mg/Kg	60	61.57	102	80 - 120	5/14/01

CCV (1) QCBatch: QC11190

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Specific Conductance		μMHOS/cm	1412	1388	98	90 - 110	5/9/01

ICV (1) QCBatch: QC11190

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Specific Conductance		μMHOS/cm	1411	1397	99	90 - 110	5/9/01

CCV (1) QCBatch: QC11196

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
TCLP Mercury		mg/L	0.005	0.00474	94	80 - 120	5/15/01

ICV (1) QCBatch: QC11196

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
TCLP Mercury		mg/L	0.005	0.00533	106	80 - 120	5/15/01

CCV (1) QCBatch: QC11207

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Vinyl Chloride		mg/L	100	92	92	80 - 120	5/10/01
1,1-Dichloroethene		mg/L	100	95	95	80 - 120	5/10/01
Methyl ethyl ketone		mg/L	100	90	90	80 - 120	5/10/01
Chloroform		mg/L	100	95	95	80 - 120	5/10/01
1,2-Dichloroethane (EDC)		mg/L	100	94	94	80 - 120	5/10/01
Benzene		mg/L	100	94	94	80 - 120	5/10/01
Carbon Tetrachloride		mg/L	100	104	104	80 - 120	5/10/01
Trichloroethene (TCE)		mg/L	100	97	97	80 - 120	5/10/01
Tetrachloroethene (PCE)		mg/L	100	106	106	80 - 120	5/10/01
Chlorobenzene		mg/L	100	100	100	80 - 120	5/10/01
1,4-Dichlorobenzene		mg/L	100	95	95	80 - 120	5/10/01
Dibromofluoromethane		mg/L	50	48.5	97	80 - 120	5/10/01
Toluene-d8		mg/L	50	48.5	97	80 - 120	5/10/01
4-Bromofluorobenzene		mg/L	50	48.5	97	80 - 120	5/10/01

CCV (1)

QCBatch: QC11250

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
pH		s.u.	7	7.0	100	-0.1 s.u. - +0.1 s.u.	5/9/01

ICV (1)

QCBatch: QC11250

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
pH		s.u.	7	7.0	100	-0.1 s.u. - +0.1 s.u.	5/9/01

CCV (1)

QCBatch: QC11294

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Hydroxide Alkalinity		mg/Kg as CaCo3	0	<1.0	0	90 - 110	5/17/01
Carbonate Alkalinity		mg/Kg as CaCo3	0	236	0	90 - 110	5/17/01
Bicarbonate Alkalinity		mg/Kg as CaCo3	0	10	0	90 - 110	5/17/01
Total Alkalinity		mg/Kg as CaCo3	250	246	98	90 - 110	5/17/01

ICV (1)

QCBatch: QC11294

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Hydroxide Alkalinity		mg/Kg as CaCo3	0	<1.0	0	90 - 110	5/17/01

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Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Carbonate Alkalinity		mg/Kg as CaCo3	0	228	0	90 - 110	5/17/01
Bicarbonate Alkalinity		mg/Kg as CaCo3	0	18	0	90 - 110	5/17/01
Total Alkalinity		mg/Kg as CaCo3	250	246	98	90 - 110	5/17/01

CCV (1)

QCBatch: QC12510

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Pyridine		mg/L	60	60.32	100	80 - 120	5/21/01
1,4-Dichlorobenzene		mg/L	60	60.35	100	80 - 120	5/21/01
o-Cresol		mg/L	60	59.44	99	80 - 120	5/21/01
m,p-Cresol		mg/L	60	59.26	98	80 - 120	5/21/01
Hexachloroethane		mg/L	60	63.70	106	80 - 120	5/21/01
Nitrobenzene		mg/L	60	61.95	103	80 - 120	5/21/01
Hexachlorobutadiene		mg/L	60	59.49	99	80 - 120	5/21/01
2,4,6-Trichlorophenol		mg/L	60	57.41	95	80 - 120	5/21/01
2,4,5-Trichlorophenol		mg/L	60	56.31	93	80 - 120	5/21/01
2,4-Dinitrotoluene		mg/L	60	66.90	111	80 - 120	5/21/01
2,4-D		mg/L	60	58.14	96	2 - 92	5/21/01
Hexachlorobenzene		mg/L	60	55.17	91	80 - 120	5/21/01
2,4,5-TP		mg/L	60	56.07	93	0 - 112	5/21/01
Pentachlorophenol		mg/L	60	40.51	67	80 - 120	5/21/01
2-Fluorophenol		mg/L	60	57.44	95	80 - 120	5/21/01
Nitrobenzene-d5		mg/L	60	62.62	104	80 - 120	5/21/01
2-Fluorobiphenyl		mg/L	60	59.99	99	80 - 120	5/21/01
2,4,6-Tribromophenol		mg/L	60	57.22	95	80 - 120	5/21/01
Terphenyl-d14		mg/L	60	53.07	88	80 - 120	5/21/01

170575-80

Wayne Price 505-476-3487

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

LAB Order ID # A0105043S

Company Name: Oil Conservation Div Phone #: (505) 393 6161

Address: (Street, City, Zip) 1220 S SAINT FRANCIS DRIVE SANTA FE NM 87505 Fax #: 505-393-0720

Contact Person: Paul Sheeley

Invoice to: (If different from above)

Project #: Project Name: R+R Service Co. - Hobbs

Project Location: R & R Service Co Sampler Signature: Wayne Price

LAB # (LAB USE ONLY)	FIELD CODE	# CONTAINERS	Volume/Amount	MATRIX: WATER	SOIL	AIR	SLUDGE	Misc. Chips	PRESERVATIVE METHOD: HCL	HNO3	$NaHSO_4$	H_2SO_4	NaOH	ICE	NONE	SAMPLING: DATE	TIME
170575	0105030830	1	4oz		✓									✓		5/3/01	8:30 AM
76	0105030845	1	"				✓							✓		"	8:45
77	0105030850	1	"		✓									✓		"	8:50
78	0105030900	1	"		✓									✓		"	9:00
79	0105030905	1	"					✓						✓		"	9:05
80	0105030935	1	40ml				✓		✓					✓		"	935
	0105030935	1	"				✓		✓					✓		"	935
	0105030935	1	1-L				✓							✓		"	735

ANALYSIS REQUEST (Circle or Specify Method No.)

MTBE 8021B/602	BTEX 8021B/602	TPH 418.1/TX1005	PAH 8270C	Total Metals Ag As Ba Cd Cr Pb Se Hg 6010B/200.7	TCLP Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Volatiles	TCLP Semi Volatiles	TCLP Pesticides	RCI	GC-MS Vol. 8260B/624	GC/MS Semi. Vol. 8270C/625	PCB's 8082/608	Pesticides 8081A/608	BOD, TSS, pH	OCD GEN CHEM	Turn Around Time if different from standard	Hold
X	X	X		X						X	X				X		
				X						X	X				X		
				X						X	X				X		
				X													
				X													
				⊗						X	X						
				X						X	X						
					X	X	X		X								

Relinquished by: WAYNE PRICE Date: 5/3/01 Time: 10:15 AM

Received by: Date: Time:

Relinquished by: Date: Time:

Received by: Date: Time:

Relinquished by: Date: Time:

Received at Laboratory by: Nell Green Date: 5-4-01 Time: 10:00am

LAB USE ONLY

Intact (Y) / N

Headspace Y / N

Temp 0 °

Log-in Review

REMARKS:

170579 - Grind prior to testing

7/18

Carrier # Bus. 902 591 4134

Submittal of samples constitutes agreement to Terms and Conditions listed on reverse side of C.O.C.

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170575-80

Wayne Price 505-476-3487

Page 1 of

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1 (888) 588-3443

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

LAB Order ID # A01050435

Company Name: Oil Conservation Div Phone #: (505) 393 6161

Address: (Street, City, Zip) 1220 S SAINT FRANCIS DRIVE SANTA FE NM 87505 Fax #: 505-393-0720

Contact Person: Paul Sheeley

Invoice to: (If different from above)

Project #: Project Name: R+R Service Co. - Hobbs

Project Location: R & R Service Co Sampler Signature: Wayne Price

LAB # (LAB USE ONLY)	FIELD CODE	# CONTAINERS	Volume/Amount	MATRIX: WATER	SOIL	AIR	SLUDGE	Misc. Chips	PRESERVATIVE METHOD: HCL	HNO3	NaHSO4	H2SO4	NaOH	ICE	NONE	SAMPLING: DATE	TIME
170575	0105030830	1	4oz		✓									✓		5/3/01	8:30 AM
76	0105030845	1	"				✓							✓		"	8:45
77	0105030850	1	"		✓									✓		"	8:50
78	0105030900	1	"		✓									✓		"	9:00
79	0105030905	1	"					✓						✓		"	9:05
80	0105030935	1	40ml				✓		✓					✓		"	935
	0105030935	1	"				✓		✓					✓		"	935
	0105030935	1	1-L				✓							✓		"	935

ANALYSIS REQUEST (Circle or Specify Method No.)

MTBE 8021B/602	BTEX 8021B/602	TPH 418.1/TX1005	PAH 8270C	Total Metals Ag As Ba Cd Cr Pb Se Hg 6010B/200.7	TCLP Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Volatiles	TCLP Semi Volatiles	TCLP Pesticides	RCI	GC-MS Vol. 8260B/624	GC/MS Semi. Vol. 8270C/625	PCB's 8082/608	Pesticides 8081A/608	BOD, TSS, pH	OCD GW CHEM			Turn Around Time if different from standard	Hold
X	X	X		X						X	X			X	X				
				X						X	X			X					
				X						X	X			X					
				X															
				X															
				⊗						X	X								
				X						X	X								
					X	X	X		X										

Relinquished by: WAYNE PRICE Date: 5/3/01 Time: 10:15 AM

Received by: Date: Time:

Relinquished by: Date: Time:

Received by: Date: Time:

Relinquished by: Date: Time:

Received at Laboratory by: Nell Green Date: 5-4-01 Time: 10:00am

LAB USE ONLY

Intact (Y) / N

Headspace Y / N

Temp 0 °

Log-in Review

REMARKS: 170579 - Grind prior to testing

7/18

Carrier # 545 · 902 591 4139

Submittal of samples constitutes agreement to Terms and Conditions listed on reverse side of C.O.C.

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Quality Control Report
Method Blank

Method Blank

QCBatch: QC11034

Param	Flag	Results	Units	Reporting Limit
Total Mercury		<0.19	mg/Kg	0.19

Method Blank

QCBatch: QC11065

Param	Flag	Results	Units	Reporting Limit
CL		2.90	mg/Kg	0.50
Fluoride		<1.0	mg/Kg	0.20
Nitrate-N		<1.0	mg/Kg	0.20
Sulfate		8.14	mg/Kg	0.50

Method Blank

QCBatch: QC11114

Param	Flag	Results	Units	Reporting Limit
Bromochloromethane		<25.0	µg/Kg	1
Dichlorodifluoromethane		<25.0	µg/Kg	1
Chloromethane (methyl chloride)		<25.0	µg/Kg	1
Vinyl Chloride		<25.0	µg/Kg	1
Bromomethane (methyl bromide)		<25.0	µg/Kg	1
Chloroethane		<25.0	µg/Kg	1
Trichlorofluoromethane		<25.0	µg/Kg	1
Acetone		<250	µg/Kg	10
Iodomethane (methyl iodide)		<125	µg/Kg	5
Carbon Disulfide		<25.0	µg/Kg	1
Acrylonitrile		<25.0	µg/Kg	1
2-Butanone (MEK)		<125	µg/Kg	5
4-methyl-2-pentanone (MIBK)		<125	µg/Kg	5
2-hexanone		<125	µg/Kg	5
trans 1,4-Dichloro-2-butene		<250	µg/Kg	10
1,1-Dichloroethene		<25.0	µg/Kg	1
Methylene chloride		<125	µg/Kg	5
MTBE		<25.0	µg/Kg	1
trans-1,2-Dichloroethene		<25.0	µg/Kg	1
1,1-Dichloroethane		<25.0	µg/Kg	1
cis-1,2-Dichloroethene		<25.0	µg/Kg	1
2,2-Dichloropropane		<25.0	µg/Kg	1
1,2-Dichloroethane (EDC)		<25.0	µg/Kg	1
Chloroform		<25.0	µg/Kg	1
1,1,1-Trichloroethane		<25.0	µg/Kg	1
1,1-Dichloropropene		<25.0	µg/Kg	1
Benzene		<25.0	µg/Kg	1
Carbon Tetrachloride		<25.0	µg/Kg	1

Continued ...

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Param	Flag	Results	Units	Reporting Limit
1,2-Dichloropropane		<25.0	µg/Kg	1
Trichloroethene (TCE)		<25.0	µg/Kg	1
Dibromomethane (methylene bromide)		<25.0	µg/Kg	1
Bromodichloromethane		<25.0	µg/Kg	1
2-Chloroethyl vinyl ether		<125	µg/Kg	5
cis-1,3-Dichloropropene		<25.0	µg/Kg	1
trans-1,3-Dichloropropene		<25.0	µg/Kg	1
Toluene		<25.0	µg/Kg	1
1,1,2-Trichloroethane		<25.0	µg/Kg	1
1,3-Dichloropropane		<25.0	µg/Kg	1
Dibromochloromethane		<25.0	µg/Kg	1
1,2-Dibromoethane (EDB)		<25.0	µg/Kg	1
Tetrachloroethene (PCE)		<25.0	µg/Kg	1
Chlorobenzene		<25.0	µg/Kg	1
1,1,1,2-Tetrachloroethane		<25.0	µg/Kg	1
Ethylbenzene		<25.0	µg/Kg	1
m,p-Xylene		<25.0	µg/Kg	1
Bromoform		<25.0	µg/Kg	1
Styrene		<25.0	µg/Kg	1
o-Xylene		<25.0	µg/Kg	1
1,1,2,2-Tetrachloroethane		<25.0	µg/Kg	1
2-Chlorotoluene		<25.0	µg/Kg	1
1,2,3-Trichloropropane		<25.0	µg/Kg	1
Isopropylbenzene		<25.0	µg/Kg	1
Bromobenzene		<25.0	µg/Kg	1
n-Propylbenzene		<25.0	µg/Kg	1
1,3,5-Trimethylbenzene		<25.0	µg/Kg	1
tert-Butylbenzene		<25.0	µg/Kg	1
1,2,4-Trimethylbenzene		<25.0	µg/Kg	1
1,4-Dichlorobenzene (para)		<25.0	µg/Kg	1
sec-Butylbenzene		<25.0	µg/Kg	1
1,3-Dichlorobenzene		<25.0	µg/Kg	1
p-Isopropyltoluene		<25.0	µg/Kg	1
4-Chlorotoluene		<25.0	µg/Kg	1
1,2-Dichlorobenzene (ortho)		<25.0	µg/Kg	1
n-Butylbenzene		<25.0	µg/Kg	1
1,2-Dibromo-3-chloropropane		<125	µg/Kg	5
1,2,3-Trichlorobenzene		<125	µg/Kg	5
1,2,4-Trichlorobenzene		<125	µg/Kg	5
Naphthalene		<125	µg/Kg	5
Hexachlorobutadiene		<125	µg/Kg	5

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Dibromofluoromethane		48.83	µg/Kg	1	50	97	87 - 121
Toluene-d8		50.75	µg/Kg	1	50	101	91 - 114
4-Bromofluorobenzene		47.14	µg/Kg	1	50	94	86 - 114

Method Blank QCBatch: QC11115

Param	Flag	Results	Units	Reporting Limit
Bromochloromethane		<25.0	µg/Kg	1
Dichlorodifluoromethane		<25.0	µg/Kg	1
Chloromethane (methyl chloride)		<25.0	µg/Kg	1
Vinyl Chloride		<25.0	µg/Kg	1
Bromomethane (methyl bromide)		<25.0	µg/Kg	1
Chloroethane		<25.0	µg/Kg	1
Trichlorofluoromethane		<25.0	µg/Kg	1
Acetone		<250	µg/Kg	10
Iodomethane (methyl iodide)		<125	µg/Kg	5
Carbon Disulfide		<25.0	µg/Kg	1
Acrylonitrile		<25.0	µg/Kg	1
2-Butanone (MEK)		<125	µg/Kg	5
4-methyl-2-pentanone (MIBK)		<125	µg/Kg	5
2-hexanone		<125	µg/Kg	5
trans 1,4-Dichloro-2-butene		<250	µg/Kg	10
1,1-Dichloroethene		<25.0	µg/Kg	1
Methylene chloride		<125	µg/Kg	5
MTBE		<25.0	µg/Kg	1
trans-1,2-Dichloroethene		<25.0	µg/Kg	1
1,1-Dichloroethane		<25.0	µg/Kg	1
cis-1,2-Dichloroethene		<25.0	µg/Kg	1
2,2-Dichloropropane		<25.0	µg/Kg	1
1,2-Dichloroethane (EDC)		<25.0	µg/Kg	1
Chloroform		<25.0	µg/Kg	1
1,1,1-Trichloroethane		<25.0	µg/Kg	1
1,1-Dichloropropene		<25.0	µg/Kg	1
Benzene		<25.0	µg/Kg	1
Carbon Tetrachloride		<25.0	µg/Kg	1
1,2-Dichloropropane		<25.0	µg/Kg	1
Trichloroethene (TCE)		<25.0	µg/Kg	1
Dibromomethane (methylene bromide)		<25.0	µg/Kg	1
Bromodichloromethane		<25.0	µg/Kg	1
2-Chloroethyl vinyl ether		<125	µg/Kg	5
cis-1,3-Dichloropropene		<25.0	µg/Kg	1
trans-1,3-Dichloropropene		<25.0	µg/Kg	1
Toluene		<25.0	µg/Kg	1
1,1,2-Trichloroethane		<25.0	µg/Kg	1
1,3-Dichloropropane		<25.0	µg/Kg	1
Dibromochloromethane		<25.0	µg/Kg	1
1,2-Dibromoethane (EDB)		<25.0	µg/Kg	1
Tetrachloroethene (PCE)		<25.0	µg/Kg	1
Chlorobenzene		<25.0	µg/Kg	1
1,1,1,2-Tetrachloroethane		<25.0	µg/Kg	1
Ethylbenzene		<25.0	µg/Kg	1
m,p-Xylene		<25.0	µg/Kg	1
Bromoform		<25.0	µg/Kg	1
Styrene		<25.0	µg/Kg	1
o-Xylene		<25.0	µg/Kg	1
1,1,2,2-Tetrachloroethane		<25.0	µg/Kg	1
2-Chlorotoluene		<25.0	µg/Kg	1
1,2,3-Trichloropropane		<25.0	µg/Kg	1
Isopropylbenzene		<25.0	µg/Kg	1
Bromobenzene		<25.0	µg/Kg	1
n-Propylbenzene		<25.0	µg/Kg	1

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Param	Flag	Results	Units	Reporting Limit
1,3,5-Trimethylbenzene		<25.0	µg/Kg	1
tert-Butylbenzene		<25.0	µg/Kg	1
1,2,4-Trimethylbenzene		<25.0	µg/Kg	1
1,4-Dichlorobenzene (para)		<25.0	µg/Kg	1
sec-Butylbenzene		<25.0	µg/Kg	1
1,3-Dichlorobenzene		<25.0	µg/Kg	1
p-Isopropyltoluene		<25.0	µg/Kg	1
4-Chlorotoluene		<25.0	µg/Kg	1
1,2-Dichlorobenzene (ortho)		<25.0	µg/Kg	1
n-Butylbenzene		<25.0	µg/Kg	1
1,2-Dibromo-3-chloropropane		<125	µg/Kg	5
1,2,3-Trichlorobenzene		<125	µg/Kg	5
1,2,4-Trichlorobenzene		<125	µg/Kg	5
Naphthalene		<125	µg/Kg	5
Hexachlorobutadiene		<125	µg/Kg	5

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Dibromofluoromethane		48.83	µg/Kg	1	50	97	87 - 112
Toluene-d8		50.75	µg/Kg	1	50	101	91 - 111
4-Bromofluorobenzene		47.14	µg/Kg	1	50	94	79 - 104

Method Blank

QCBatch: QC11118

Param	Flag	Results	Units	Reporting Limit
Total Arsenic		<10	mg/Kg	5
Total Barium		<20	mg/Kg	5
Total Cadmium		<5.0	mg/Kg	2
Total Chromium		<2.0	mg/Kg	5
Total Lead		<10	mg/Kg	5
Total Selenium		<10	mg/Kg	5
Total Silver		<2.5	mg/Kg	1

Method Blank

QCBatch: QC11120

Param	Flag	Results	Units	Reporting Limit
TCLP Arsenic		<1	mg/L	1
TCLP Barium		<1	mg/L	1
TCLP Cadmium		<0.2	mg/L	0.20
TCLP Chromium		<1	mg/L	1
TCLP Lead		<1	mg/L	1
TCLP Selenium		<1	mg/L	1
TCLP Silver		<0.5	mg/L	0.50

Method Blank

QCBatch: QC11134

Param	Flag	Results	Units	Reporting Limit
Benzene		<0.013	mg/Kg	0.001
Toluene		<0.013	mg/Kg	0.001
Ethylbenzene		<0.013	mg/Kg	0.001
M,P,O-Xylene		<0.013	mg/Kg	0.001
Total BTEX		<0.013	mg/Kg	0.001

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
TFT		1.27	mg/Kg	13	0.10	97	72 - 128
4-BFB		1.11	mg/Kg	13	0.10	85	72 - 128

Method Blank

QCBatch: QC11161

Param	Flag	Results	Units	Reporting Limit
Pyridine		<0.005	mg/Kg	0.25
n-Nitrosodimethylamine		<0.005	mg/Kg	0.25
2-Picoline		<0.005	mg/Kg	0.25
Methyl methanesulfonate		<0.005	mg/Kg	0.25
Ethyl methanesulfonate		<0.005	mg/Kg	0.25
Phenol		<0.005	mg/Kg	0.25
Aniline		<0.005	mg/Kg	0.25
bis (2-chloroethyl) ether		<0.005	mg/Kg	0.25
2-Chlorophenol		<0.005	mg/Kg	0.25
1,3-Dichlorobenzene		<0.005	mg/Kg	0.25
1,4-Dichlorobenzene		<0.005	mg/Kg	0.25
Benzyl alcohol		<0.005	mg/Kg	0.25
1,2-Dichlorobenzene		<0.005	mg/Kg	0.25
2-Methylphenol		<0.005	mg/Kg	0.25
bis (2-chloroisopropyl) ether		<0.005	mg/Kg	0.25
4-Methylphenol/3-Methylphenol		<0.005	mg/Kg	0.25
Acetophenone		<0.005	mg/Kg	0.25
n-Nitrosodi-n-propylamine		<0.005	mg/Kg	0.25
Hexachloroethane		<0.005	mg/Kg	0.25
Nitrobenzene		<0.005	mg/Kg	0.25
n-Nitrosopiperidine		<0.005	mg/Kg	0.25
Isophorone		<0.005	mg/Kg	0.25
2-Nitrophenol		<0.005	mg/Kg	0.25
2,4-Dimethylphenol		<0.005	mg/Kg	0.25
bis (2-chloroethoxy) methane		<0.005	mg/Kg	0.25
Benzoic acid		<0.005	mg/Kg	0.25
2,4-Dichlorophenol		<0.005	mg/Kg	0.25
1,2,4-Trichlorobenzene		<0.005	mg/Kg	0.25
a,a-Dimethylphenethylamine		<0.005	mg/Kg	0.25
Naphthalene		<0.005	mg/Kg	0.25
4-Chloroaniline		<0.005	mg/Kg	0.25
2,6-Dichlorophenol		<0.005	mg/Kg	0.25
Hexachlorobutadiene		<0.005	mg/Kg	0.25
n-Nitroso-di-n-butylamine		<0.005	mg/Kg	0.25
4-Chloro-3-methylphenol		<0.005	mg/Kg	0.25
1-Methylnaphthalene		<0.005	mg/Kg	0.25

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Param	Flag	Results	Units	Reporting Limit
2-Methylnaphthalene		<0.005	mg/Kg	0.25
1,2,4,5-Tetrachlorobenzene		<0.005	mg/Kg	0.25
Hexachlorocyclopentadiene		<0.005	mg/Kg	0.25
2,4,6-Trichlorophenol		<0.005	mg/Kg	0.25
2,4,5-Trichlorophenol		<0.005	mg/Kg	0.25
2-Chloronaphthalene		<0.005	mg/Kg	0.25
1-Chloronaphthalene		<0.005	mg/Kg	0.25
2-Nitroaniline		<0.005	mg/Kg	0.25
Dimethylphthalate		<0.005	mg/Kg	0.25
Acenaphthylene		<0.005	mg/Kg	0.25
2,6-Dinitrotoluene		<0.005	mg/Kg	0.25
3-Nitroaniline		<0.005	mg/Kg	0.25
Acenaphthene		<0.005	mg/Kg	0.25
2,4-Dinitrophenol		<0.005	mg/Kg	0.25
Dibenzofuran		<0.005	mg/Kg	0.25
Pentachlorobenzene		<0.005	mg/Kg	0.25
4-Nitrophenol		<0.005	mg/Kg	0.25
1-Naphthylamine		<0.005	mg/Kg	0.25
2,4-Dinitrotoluene		<0.005	mg/Kg	0.25
2-Naphthylamine		<0.005	mg/Kg	0.25
2,3,4,6-Tetrachlorophenol		<0.005	mg/Kg	0.25
Fluorene		<0.005	mg/Kg	0.25
Diethylphthalate		<0.005	mg/Kg	0.25
4-Chlorophenyl-phenylether		<0.005	mg/Kg	0.25
4-Nitroaniline		<0.005	mg/Kg	0.25
4,6-Dinitro-2-methylphenol		<0.005	mg/Kg	0.25
Diphenylamine		<0.005	mg/Kg	0.25
Diphenylhydrazine		<0.005	mg/Kg	0.25
4-Bromophenyl-phenylether		<0.005	mg/Kg	0.25
Phenacetin		<0.005	mg/Kg	0.25
Hexachlorobenzene		<0.005	mg/Kg	0.25
4-Aminobiphenyl		<0.005	mg/Kg	0.25
Pentachlorophenol		<0.005	mg/Kg	0.25
Pentachloronitrobenzene		<0.005	mg/Kg	0.25
Pronamide		<0.005	mg/Kg	0.25
Phenanthrene		<0.005	mg/Kg	0.25
Anthracene		<0.005	mg/Kg	0.25
Di-n-butylphthalate		<0.005	mg/Kg	0.25
Fluoranthene		<0.005	mg/Kg	0.25
Benzidine		<0.005	mg/Kg	0.25
Pyrene		<0.005	mg/Kg	0.25
p-Dimethylaminoazobenzene		<0.005	mg/Kg	0.25
Butylbenzylphthalate		<0.005	mg/Kg	0.25
Benzo(a)anthracene		<0.005	mg/Kg	0.25
3,3-Dichlorobenzidine		<0.005	mg/Kg	0.25
Chrysene		<0.005	mg/Kg	0.25
Bis (2-ethylhexyl) phthalate		<0.005	mg/Kg	0.25
Di-n-octylphthalate		<0.005	mg/Kg	0.25
Benzo(b)fluoranthene		<0.005	mg/Kg	0.25
7,12-Dimethylbenz(a)anthracene		<0.005	mg/Kg	0.25
Benzo(k)fluoranthene		<0.005	mg/Kg	0.25
Benzo(a)pyrene		<0.005	mg/Kg	0.25
3-Methylcholanthrene		<0.005	mg/Kg	0.25

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Param	Flag	Results	Units	Reporting Limit
Dibenzo(a,j)acridine		<0.005	mg/Kg	0.25
Indeno(1,2,3-cd)pyrene		<0.005	mg/Kg	0.25
Dibenzo(a,h)anthracene		<0.005	mg/Kg	0.25
Benzo(g,h,i)perylene		<0.005	mg/Kg	0.25

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
2-Fluorophenol		74.29	mg/Kg	1	80	92	25 - 121
Phenol-d5		71.09	mg/Kg	1	80	88	24 - 113
Nitrobenzene-d5		71.53	mg/Kg	1	80	89	23 - 120
2-Fluorobiphenyl		79.01	mg/Kg	1	80	98	30 - 115
2,4,6-Tribromophenol		57.77	mg/Kg	1	80	72	19 - 122
Terphenyl-d14		73.85	mg/Kg	1	80	92	28 - 137

Method Blank

QCBatch: QC11190

Param	Flag	Results	Units	Reporting Limit
Specific Conductance		6.77	μMHOS/cm	

Method Blank

QCBatch: QC11196

Param	Flag	Results	Units	Reporting Limit
TCLP Mercury		<0.010	mg/L	0.01

Method Blank

QCBatch: QC11207

Param	Flag	Results	Units	Reporting Limit
Vinyl Chloride		<0.05	mg/L	0.001
1,1-Dichloroethene		<0.05	mg/L	0.001
Methyl ethyl ketone		<0.50	mg/L	0.01
Chloroform		<0.05	mg/L	0.001
1,2-Dichloroethane (EDC)		<0.05	mg/L	0.001
Benzene		<0.05	mg/L	0.001
Carbon Tetrachloride		<0.05	mg/L	0.001
Trichloroethene (TCE)		<0.05	mg/L	0.001
Tetrachloroethene (PCE)		<0.05	mg/L	0.001
Chlorobenzene		<0.05	mg/L	0.001
1,4-Dichlorobenzene		<0.05	mg/L	0.001

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Dibromofluoromethane		43	mg/L	1	50	86	85 - 115

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Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Toluene-d8		45.5	mg/L	1	50	91	86 - 114
4-Bromofluorobenzene		47.5	mg/L	1	50	95	79 - 108

Method Blank

QCBatch: QC11294

Param	Flag	Results	Units	Reporting Limit
Hydroxide Alkalinity		<1.0	mg/Kg as CaCo3	1
Carbonate Alkalinity		<1.0	mg/Kg as CaCo3	1
Bicarbonate Alkalinity		<4.0	mg/Kg as CaCo3	1
Total Alkalinity		<4.0	mg/Kg as CaCo3	1

Method Blank

QCBatch: QC12510

Param	Flag	Results	Units	Reporting Limit
Pyridine		<0.05	mg/L	0.05
1,4-Dichlorobenzene		<0.05	mg/L	0.05
o-Cresol		<0.05	mg/L	0.05
m,p-Cresol		<0.05	mg/L	0.05
Hexachloroethane		<0.05	mg/L	0.05
Nitrobenzene		<0.05	mg/L	0.05
Hexachlorobutadiene		<0.05	mg/L	0.05
2,4,6-Trichlorophenol		<0.05	mg/L	0.05
2,4,5-Trichlorophenol		<0.05	mg/L	0.05
2,4-Dinitrotoluene		<0.05	mg/L	0.05
2,4-D		<0.05	mg/L	0.05
Hexachlorobenzene		<0.05	mg/L	0.05
2,4,5-TP		<0.05	mg/L	0.05
Pentachlorophenol		<0.05	mg/L	0.05

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
2-Fluorophenol		22.11	mg/L	1	80	27	21 - 100
Phenol-d5		13.03	mg/L	1	80	16	10 - 94
Nitrobenzene-d5		67.05	mg/L	1	80	83	35 - 114
2-Fluorobiphenyl		68.19	mg/L	1	80	85	43 - 116
2,4,6-Tribromophenol		58.54	mg/L	1	80	73	10 - 123
Terphenyl-d14		71.95	mg/L	1	80	89	33 - 141

Quality Control Report
Duplicate Samples

Duplicate

QCBatch: QC11047

Param	Flag	Duplicate Result	Sample Result	Units	Dilution	RPD	RPD Limit
Reactivity		non	Non-reactive		1	0	20
Hydrogen Cyanide		<2.5	<2.5		1	0	20
Hydrogen Sulfide		<10	<10		1	0	20

Duplicate

QCBatch: QC11048

Param	Flag	Duplicate Result	Sample Result	Units	Dilution	RPD	RPD Limit
Corrosivity		non		mm/yr	1	0	20
Corrosivity		non	non	mm/yr	1	0	20
pH		5.74		s.u.	1	0	20
pH		5.74	5.76	s.u.	1	0	20

Duplicate

QCBatch: QC11049

Param	Flag	Duplicate Result	Sample Result	Units	Dilution	RPD	RPD Limit
Ignitability		non	non-ignitable		1	0	20

Duplicate

QCBatch: QC11190

Param	Flag	Duplicate Result	Sample Result	Units	Dilution	RPD	RPD Limit
Specific Conductance		32604	32600	μMHOS/cm	1	0	6.1

Duplicate

QCBatch: QC11250

Param	Flag	Duplicate Result	Sample Result	Units	Dilution	RPD	RPD Limit
pH		6.9	6.9	s.u.	1	0	0.85

Duplicate

QCBatch: QC11294

Param	Flag	Duplicate Result	Sample Result	Units	Dilution	RPD	RPD Limit
Hydroxide Alkalinity		<1.0	<1.0	mg/Kg as CaCo3	1	0	7
Carbonate Alkalinity		<1.0	<1.0	mg/Kg as CaCo3	1	0	7
Bicarbonate Alkalinity		40	38	mg/Kg as CaCo3	1	5	7
Total Alkalinity		40	38	mg/Kg as CaCo3	1	5	7

Quality Control Report
Lab Control Spikes and Duplicate Spikes

Laboratory Control Spikes

QCBatch: QC11034

Param	LCS Result	LCSD Result	Units	Dil.	Spike Amount Added	Matrix Result	% Rec	RPD	% Rec Limit	RPD Limit
Total Mercury	2.55	2.48	mg/Kg	1	2.50	<0.19	102	2	83 - 124	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spikes

QCBatch: QC11065

Param	LCS Result	LCSD Result	Units	Dil.	Spike Amount Added	Matrix Result	% Rec	RPD	% Rec Limit	RPD Limit
CL	[5] 14.52	[6] 14.43	mg/Kg	1	12.50	2.90	116	0	90 - 110	20
Fluoride	2.77	2.79	mg/Kg	1	2.50	<1.0	110	0	90 - 110	20
Nitrate-N	2.66	2.64	mg/Kg	1	2.50	<1.0	106	0	90 - 110	20
Sulfate	[7] 20.80	[8] 20.72	mg/Kg	1	12.50	8.14	166	0	90 - 110	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spikes

QCBatch: QC11114

Param	LCS Result	LCSD Result	Units	Dil.	Spike Amount Added	Matrix Result	% Rec	RPD	% Rec Limit	RPD Limit
1,1-Dichloroethene	105	108	µg/Kg	1	100	<25.0	105	2	67 - 131	20
Benzene	98	99	µg/Kg	1	100	<25.0	98	1	74 - 120	20
Trichloroethene (TCE)	94	96	µg/Kg	1	100	<25.0	94	2	74 - 115	20
Toluene	97	97	µg/Kg	1	100	<25.0	97	0	74 - 117	20
Chlorobenzene	101	102	µg/Kg	1	100	<25.0	101	0	81 - 116	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	LCS Result	LCSD Result	Units	Dilution	Spike Amount	LCS % Rec	LCSD % Rec	Recovery Limits
Dibromofluoromethane	44.19	44.64	µg/Kg	1	50	88	89	87 - 121
Toluene-d8	51.59	51.51	µg/Kg	1	50	103	103	91 - 114
4-Bromofluorobenzene	49.32	49.46	µg/Kg	1	50	98	98	86 - 114

Laboratory Control Spikes

QCBatch: QC11115

Param	LCS Result	LCSD Result	Units	Dil.	Spike Amount Added	Matrix Result	% Rec	RPD	% Rec Limit	RPD Limit
1,1-Dichloroethene	105	108	µg/Kg	1	100	<25.0	105	2	67 - 131	20
Benzene	98	99	µg/Kg	1	100	<25.0	98	1	74 - 120	20
Trichloroethene (TCE)	94	96	µg/Kg	1	100	<25.0	94	2	74 - 115	20
Toluene	97	97	µg/Kg	1	100	<25.0	97	0	74 - 117	20
Chlorobenzene	101	102	µg/Kg	1	100	<25.0	101	0	81 - 116	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

[5]Sample master doesn't subtract the blank from the spikes. The correct %EA = 93.
[6]Sample master doesn't subtract the blank from the spikes.
[7]Sample master doesn't subtract the blank from the spikes. The correct %EA = 101.
[8]Sample master doesn't subtract the blank from the spikes.

Surrogate	LCS Result	LCSD Result	Units	Dilution	Spike Amount	LCS % Rec	LCSD % Rec	Recovery Limits
Dibromofluoromethane	44.19	44.64	µg/Kg	1	50	88	89	87 - 112
Toluene-d8	51.59	51.51	µg/Kg	1	50	103	103	91 - 111
4-Bromofluorobenzene	49.32	49.46	µg/Kg	1	50	98	98	79 - 104

Laboratory Control Spikes

QCBatch: QC11118

Param	LCS Result	LCSD Result	Units	Dil.	Spike Amount Added	Matrix Result	% Rec	RPD	% Rec Limit	RPD Limit
Total Arsenic	48.2	48.9	mg/Kg	1	50	<10	96	1	80 - 120	20
Total Barium	97	100	mg/Kg	1	100	<20	97	3	80 - 120	20
Total Cadmium	23.1	23.8	mg/Kg	1	25	<5.0	92	2	80 - 120	20
Total Chromium	10	10.2	mg/Kg	1	10	<2.0	100	1	80 - 120	20
Total Lead	45.8	46	mg/Kg	1	50	<10	91	0	80 - 120	20
Total Selenium	41.6	46.5	mg/Kg	1	50	<10	83	11	80 - 120	20
Total Silver	11.2	11	mg/Kg	1	12.50	<2.5	89	1	80 - 120	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spikes

QCBatch: QC11120

Param	LCS Result	LCSD Result	Units	Dil.	Spike Amount Added	Matrix Result	% Rec	RPD	% Rec Limit	RPD Limit
TCLP Arsenic	5.97	6.06	mg/L	1	5	<1	119	1	80 - 120	20
TCLP Barium	10.1	10.1	mg/L	1	10	<1	101	0	80 - 120	20
TCLP Cadmium	2.63	2.63	mg/L	1	2.50	<0.2	105	0	80 - 120	20
TCLP Chromium	1.03	1.03	mg/L	1	1	<1	103	0	80 - 120	20
TCLP Lead	5.18	5.21	mg/L	1	5	<1	103	0	80 - 120	20
TCLP Selenium	4.79	4.86	mg/L	1	5	<1	95	1	80 - 120	20
TCLP Silver	1.21	1.22	mg/L	1	1.25	<0.5	96	0	80 - 120	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spikes

QCBatch: QC11134

Param	LCS Result	LCSD Result	Units	Dil.	Spike Amount Added	Matrix Result	% Rec	RPD	% Rec Limit	RPD Limit
MTBE	1.28	1.19	mg/Kg	1	0.10	<0.013	98	7	80 - 120	20
Benzene	1.33	1.29	mg/Kg	1	0.10	<0.013	102	3	80 - 120	20
Toluene	1.25	1.23	mg/Kg	1	0.10	<0.013	96	1	80 - 120	20
Ethylbenzene	1.22	1.2	mg/Kg	1	0.10	<0.013	93	1	80 - 120	20
M,P,O-Xylene	3.7	3.62	mg/Kg	1	0.30	<0.013	94	2	80 - 120	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	LCS Result	LCSD Result	Units	Dilution	Spike Amount	LCS % Rec	LCSD % Rec	Recovery Limits
TFT	1.3	1.25	mg/Kg	13	0.10	100	96	72 - 128
4-BFB	1.23	1.19	mg/Kg	13	0.10	94	91	72 - 128

Laboratory Control Spikes

QCBatch: QC11161

Param	LCS Result	LCSD Result	Units	Dil.	Spike Amount Added	Matrix Result	% Rec	RPD	% Rec Limit	RPD Limit
Phenol	61.85	60.98	mg/Kg	1	80	<0.005	77	1	5 - 112	20
2-Chlorophenol	65.39	65.57	mg/Kg	1	80	<0.005	81	0	23 - 134	20
1,4-Dichlorobenzene	65.12	66.4	mg/Kg	1	80	<0.005	81	1	20 - 124	20
n-Nitrosodi-n-propylamine	64.62	64.84	mg/Kg	1	80	<0.005	80	0	0 - 230	20
1,2,4-Trichlorobenzene	66.83	67.75	mg/Kg	1	80	<0.005	83	1	44 - 142	20
4-Chloro-3-methylphenol	62.5	61.65	mg/Kg	1	80	<0.005	78	1	22 - 147	20
Acenaphthene	74.08	74.8	mg/Kg	1	80	<0.005	92	0	47 - 145	20
4-Nitrophenol	32.14	32.26	mg/Kg	1	80	<0.005	40	0	0 - 132	20
2,4-Dinitrotoluene	66.95	67.35	mg/Kg	1	80	<0.005	83	0	39 - 139	20
Pentachlorophenol	26.12	24.36	mg/Kg	1	80	<0.005	32	6	14 - 176	20
Pyrene	72.08	74.97	mg/Kg	1	80	<0.005	90	3	52 - 115	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	LCS Result	LCSD Result	Units	Dilution	Spike Amount	LCS % Rec	LCSD % Rec	Recovery Limits
2-Fluorophenol	58.85	59.29	mg/Kg	1	80	73	74	25 - 121
Phenol-d5	59.9	59.2	mg/Kg	1	80	74	74	24 - 113
Nitrobenzene-d5	62.21	61.81	mg/Kg	1	80	77	77	23 - 120
2-Fluorobiphenyl	66.78	67.98	mg/Kg	1	80	83	84	30 - 115
2,4,6-Tribromophenol	57.01	57.54	mg/Kg	1	80	71	71	19 - 122
Terphenyl-d14	65.59	68.69	mg/Kg	1	80	81	85	28 - 137

Laboratory Control Spikes

QCBatch: QC11196

Param	LCS Result	LCSD Result	Units	Dil.	Spike Amount Added	Matrix Result	% Rec	RPD	% Rec Limit	RPD Limit
TCLP Mercury	0.0523	0.0415	mg/L	1	0.05	<0.010	104	23	80 - 119	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spikes

QCBatch: QC11207

Param	LCS Result	LCSD Result	Units	Dil.	Spike Amount Added	Matrix Result	% Rec	RPD	% Rec Limit	RPD Limit
Vinyl Chloride	3.35	3.49	mg/L	1	5	<0.05	67	4	36 - 130	20
1,1-Dichloroethene	4.91	5.07	mg/L	1	5	<0.05	98	3	63 - 165	20
Methyl ethyl ketone	4.24	4.35	mg/L	1	5	<0.50	84	2	41 - 169	20
Chloroform	4.80	5.03	mg/L	1	5	<0.05	96	4	72 - 133	20
1,2-Dichloroethane (EDC)	4.45	4.68	mg/L	1	5	<0.05	89	5	80 - 127	20
Benzene	4.39	4.54	mg/L	1	5	<0.05	87	3	77 - 129	20
Carbon Tetrachloride	5.14	5.38	mg/L	1	5	<0.05	102	4	62 - 162	20
Trichloroethene (TCE)	4.24	4.44	mg/L	1	5	<0.05	84	4	81 - 119	20
Tetrachloroethene (PCE)	5.12	5.24	mg/L	1	5	<0.05	102	2	50 - 131	20
Chlorobenzene	4.72	4.96	mg/L	1	5	<0.05	94	4	88 - 118	20
1,4-Dichlorobenzene	5.99	6.18	mg/L	1	5	<0.05	119	3	84 - 124	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	LCS Result	LCSD Result	Units	Dilution	Spike Amount	LCS % Rec	LCSD % Rec	Recovery Limits
Dibromofluoromethane	50.5	51.5	mg/L	1	50	101	103	85 - 115
Toluene-d8	46.5	47	mg/L	1	50	93	94	86 - 114
4-Bromofluorobenzene	46	46.5	mg/L	1	50	92	93	79 - 108

Laboratory Control Spikes

QCBatch: QC12510

Param	LCS Result	LCSD Result	Units	Dil.	Spike Amount Added	Matrix Result	% Rec	RPD	% Rec Limit	RPD Limit
Pyridine	16.07	15.55	mg/L	1	80	<0.05	20	3	0 - 92	20
1,4-Dichlorobenzene	38.04	37.51	mg/L	1	80	<0.05	47	1	20 - 124	20
o-Cresol	23.70	22.88	mg/L	1	80	<0.05	29	3	41 - 92	20
m,p-Cresol	49.35	47.94	mg/L	1	160	<0.05	30	2	7 - 127	20
Hexachloroethane	40.59	38.79	mg/L	1	80	<0.05	50	4	40 - 113	20
Nitrobenzene	44.54	43.81	mg/L	1	80	<0.05	55	1	35 - 186	20
Hexachlorobutadiene	41.44	41.56	mg/L	1	80	<0.05	51	0	24 - 116	20
2,4,6-Trichlorophenol	41.20	40.30	mg/L	1	80	<0.05	51	2	37 - 144	20
2,4,5-Trichlorophenol	41.27	41.89	mg/L	1	80	<0.05	51	1	49 - 185	20
2,4-Dinitrotoluene	52.11	49.45	mg/L	1	80	<0.05	65	5	39 - 139	20
2,4-D	<10	<10	mg/L	1	80	<0.05	0	0	2 - 92	20
Hexachlorobenzene	49.81	50.64	mg/L	1	80	<0.05	62	1	0 - 152	20
2,4,5-TP	<10	<10	mg/L	1	80	<0.05	0	0	0 - 112	20
Pentachlorophenol	28.62	19.65	mg/L	1	80	<0.05	35	37	14 - 176	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	LCS Result	LCSD Result	Units	Dilution	Spike Amount	LCS % Rec	LCSD % Rec	Recovery Limits
2-Fluorophenol	15.89	15.18	mg/L	1	80	19	18	21 - 100
Phenol-d5	9.53	9.40	mg/L	1	80	11	11	10 - 94
Nitrobenzene-d5	45.69	45.30	mg/L	1	80	57	56	35 - 114
2-Fluorobiphenyl	44.77	44.70	mg/L	1	80	55	55	43 - 116
2,4,6-Tribromophenol	43.68	40.93	mg/L	1	80	54	51	10 - 123
Terphenyl-d14	41.21	42.36	mg/L	1	80	51	52	33 - 141

Quality Control Report
Matrix Spikes and Duplicate Spikes

Matrix Spikes

QCBatch: QC11034

Param	MS Result	MSD Result	Units	Dil.	Spike Amount Added	Matrix Result	% Rec	RPD	% Rec Limit	RPD Limit
Total Mercury	2.51	2.53	mg/Kg	1	2.50	<0.19	100	0	83 - 124	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spikes

QCBatch: QC11035

Param	MS Result	MSD Result	Units	Dil.	Spike Amount Added	Matrix Result	% Rec	RPD	% Rec Limit	RPD Limit
Total Mercury	2.61	2.63	mg/Kg	1	2.50	<0.19	104	0	83 - 124	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spikes

QCBatch: QC11065

Param	MS Result	MSD Result	Units	Dil.	Spike Amount Added	Matrix Result	% Rec	RPD	% Rec Limit	RPD Limit
CL	3213.81	3221.40	mg/Kg	1	1250	2130	86	0	70 - 115	20
Fluoride	[9] 254.30	[10] 252.64	mg/Kg	1	250	<5.0	101	0	77 - 111	20
Nitrate-N	[11] 261.83	[12] 257.80	mg/Kg	1	250	<5.0	104	1	80 - 112	20
Sulfate	2648.39	2617.28	mg/Kg	1	1250	1320	106	2	74 - 118	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spikes

QCBatch: QC11118

Param	MS Result	MSD Result	Units	Dil.	Spike Amount Added	Matrix Result	% Rec	RPD	% Rec Limit	RPD Limit
Total Arsenic	46.7	43.7	mg/Kg	1	50	<10	93	6	75 - 125	20
Total Barium	158	141	mg/Kg	1	100	74.3	83	22	75 - 125	20
Total Cadmium	24.1	24.3	mg/Kg	1	25	<5.0	96	0	75 - 125	20
Total Chromium	13.9	12.7	mg/Kg	1	10	5.34	85	15	75 - 125	20
Total Lead	67.1	64.4	mg/Kg	1	50	22.3	89	6	75 - 125	20
Total Selenium	41.8	43.5	mg/Kg	1	50	<10	83	3	75 - 125	20
Total Silver	11.3	11.7	mg/Kg	1	12.50	<2.5	90	3	75 - 125	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spikes

QCBatch: QC11120

Param	MS Result	MSD Result	Units	Dil.	Spike Amount Added	Matrix Result	% Rec	RPD	% Rec Limit	RPD Limit
TCLP Arsenic	6.24	6.08	mg/L	1	5	<1	124	2	75 - 125	20
TCLP Barium	10.6	10.4	mg/L	1	10	<1	106	1	75 - 125	20
TCLP Cadmium	2.74	2.69	mg/L	1	2.50	<0.2	109	1	75 - 125	20
TCLP Chromium	1.06	1.05	mg/L	1	1	<1	106	0	75 - 125	20
TCLP Lead	5.4	5.32	mg/L	1	5	<1	108	1	75 - 125	20
TCLP Selenium	5.04	4.87	mg/L	1	5	<1	100	3	75 - 125	20
TCLP Silver	1.26	1.23	mg/L	1	1.25	<0.5	100	2	75 - 125	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

[9] I spiked the *100 dilution for 170576, but reported the *5 dilution.
[10] I spiked the *100 dilution for 170576, but reported the *5 dilution.
[11] I spiked the *100 dilution for 170576, but reported the *5 dilution.
[12] I spiked the *100 dilution for 170576, but reported the *5 dilution.

Matrix Spikes

QCBatch: QC11196

Param	MS Result	MSD Result	Units	Dil.	Spike Amount Added	Matrix Result	% Rec	RPD	% Rec Limit	RPD Limit
TCLP Mercury	0.0503	0.0505	mg/L	1	0.05	<0.010	100	0	83 - 125	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spikes

QCBatch: QC12510

Param	MS Result	MSD Result	Units	Dil.	Spike Amount Added	Matrix Result	% Rec	RPD	% Rec Limit	RPD Limit
Pyridine	<10	<10	mg/L	1	80	<0.05	0	0	0 - 92	20
1,4-Dichlorobenzene	40.30	41.28	mg/L	1	80	<0.05	50	2	20 - 124	20
o-Cresol	39.77	38.21	mg/L	1	80	<0.05	49	4	41 - 92	20
m,p-Cresol	92.88	87.25	mg/L	1	160	<0.05	58	6	7 - 127	20
Hexachloroethane	43.84	43.61	mg/L	1	80	<0.05	54	0	40 - 113	20
Nitrobenzene	48.52	49.40	mg/L	1	80	<0.05	60	1	35 - 186	20
Hexachlorobutadiene	47.26	48.26	mg/L	1	80	<0.05	59	2	24 - 116	20
2,4,6-Trichlorophenol	51.06	46.29	mg/L	1	80	<0.05	63	9	37 - 144	20
2,4,5-Trichlorophenol	51.25	48.45	mg/L	1	80	<0.05	64	5	49 - 185	20
2,4-Dinitrotoluene	56.48	56.33	mg/L	1	80	<0.05	70	0	39 - 139	20
2,4-D	18.55	16.23	mg/L	1	80	<0.05	23	13	2 - 92	20
Hexachlorobenzene	61.75	61.08	mg/L	1	80	<0.05	77	1	0 - 152	20
2,4,5-TP	14.40	11.54	mg/L	1	80	<0.05	18	22	0 - 112	20
Pentachlorophenol	39.38	35.21	mg/L	1	80	<0.05	49	11	14 - 176	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	MS Result	MSD Result	Units	Dilution	Spike Amount	MS % Rec	MSD % Rec	Recovery Limits
2-Fluorophenol	31.21	30.81	mg/L	1	80	39	38	21 - 100
Phenol-d5	25.22	24.87	mg/L	1	80	31	31	10 - 94
Nitrobenzene-d5	48.36	48.66	mg/L	1	80	60	60	35 - 114
2-Fluorobiphenyl	50.89	52.13	mg/L	1	80	63	65	43 - 116
2,4,6-Tribromophenol	48.34	41.78	mg/L	1	80	60	52	10 - 123
Terphenyl-d14	56.20	53.20	mg/L	1	80	70	66	33 - 141

Quality Control Report
Continuing Calibration Verification Standards

CCV (1)

QCBatch: QC11016

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
TRPHC		mg/Kg	100	98.1	98	75 - 125	5/8/01

CCV (2)

QCBatch: QC11016

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
TRPHC		mg/Kg	100	104	104	75 - 125	5/8/01

ICV (1) QCBatch: QC11016

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
TRPHC		mg/Kg	100	98.6	98	75 - 125	5/8/01

CCV (1) QCBatch: QC11034

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Mercury		mg/Kg	0.005	0.00480	96	80 - 120	5/8/01

ICV (1) QCBatch: QC11034

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Mercury		mg/Kg	0.005	0.00488	97	80 - 120	5/8/01

CCV (1) QCBatch: QC11035

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Mercury		mg/L	0.005	0.00480	96	80 - 120	4/8/01

ICV (1) QCBatch: QC11035

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Mercury		mg/L	0.005	0.00488	97	80 - 120	4/8/01

CCV (1) QCBatch: QC11065

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Bromide		mg/Kg	2.50	2.67	106	90 - 110	5/9/01
CL		mg/Kg	12.50	12.12	96	90 - 110	5/9/01
Fluoride		mg/Kg	2.50	2.44	97	90 - 110	5/9/01
Nitrate-N		mg/Kg	2.50	2.49	99	90 - 110	5/9/01
Sulfate		mg/Kg	12.50	12.60	100	90 - 110	5/9/01

ICV (1)

QCBatch: QC11065

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Bromide		mg/Kg	2.50	2.69	107	90 - 110	5/9/01
CL		mg/Kg	12.50	12.21	97	90 - 110	5/9/01
Fluoride		mg/Kg	2.50	2.44	97	90 - 110	5/9/01
Nitrate-N		mg/Kg	2.50	2.48	99	90 - 110	5/9/01
Sulfate		mg/Kg	12.50	12.71	101	90 - 110	5/9/01

CCV (1)

QCBatch: QC11106

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Phenol		mg/Kg	60	55.78	92	80 - 120	5/8/01
1,4-Dichlorobenzene		mg/Kg	60	54.79	91	80 - 120	5/8/01
2-Nitrophenol		mg/Kg	60	53.86	89	80 - 120	5/8/01
2,4-Dichlorophenol		mg/Kg	60	55.12	91	80 - 120	5/8/01
Hexachlorobutadiene		mg/Kg	60	54.32	90	80 - 120	5/8/01
4-Chloro-3-methylphenol		mg/Kg	60	54.71	91	80 - 120	5/8/01
2,4,6-Trichlorophenol		mg/Kg	60	52.71	87	80 - 120	5/8/01
Acenaphthene		mg/Kg	60	55.45	92	80 - 120	5/8/01
Diphenylamine		mg/Kg	60	55.97	93	80 - 120	5/8/01
Fluoranthene		mg/Kg	60	69.41	115	80 - 120	5/8/01
Di-n-octylphthalate		mg/Kg	60	63.25	105	80 - 120	5/8/01
Benzo(a)pyrene		mg/Kg	60	57.41	95	80 - 120	5/8/01
2-Fluorophenol		mg/Kg	60	54.89	91	80 - 120	5/8/01
Phenol-d5		mg/Kg	60	58.66	97	80 - 120	5/8/01
Nitrobenzene-d5		mg/Kg	60	55.88	93	80 - 120	5/8/01
2-Fluorobiphenyl		mg/Kg	60	54.24	90	80 - 120	5/8/01
2,4,6-Tribromophenol		mg/Kg	60	51.11	85	80 - 120	5/8/01
Terphenyl-d14		mg/Kg	60	62.03	103	80 - 120	5/8/01

CCV (1)

QCBatch: QC11114

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Vinyl Chloride		µg/Kg	100	88	88	80 - 120	5/11/01

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Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
1,1-Dichloroethene		µg/Kg	100	89	89	80 - 120	5/11/01
Chloroform		µg/Kg	100	89	89	80 - 120	5/11/01
1,2-Dichloropropane		µg/Kg	100	94	94	80 - 120	5/11/01
Toluene		µg/Kg	100	91	91	80 - 120	5/11/01
Chlorobenzene		µg/Kg	100	99	99	80 - 120	5/11/01
Ethylbenzene		µg/Kg	100	100	100	80 - 120	5/11/01
Dibromofluoromethane		µg/Kg	50	44.36	88	80 - 120	5/11/01
Toluene-d8		µg/Kg	50	50.67	101	80 - 120	5/11/01
4-Bromofluorobenzene		µg/Kg	50	48.92	97	80 - 120	5/11/01

CCV (1) QCBatch: QC11115

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Vinyl Chloride		µg/Kg	100	88	88	80 - 120	5/11/01
1,1-Dichloroethene		µg/Kg	100	89	89	80 - 120	5/11/01
Chloroform		µg/Kg	100	89	89	80 - 120	5/11/01
1,2-Dichloropropane		µg/Kg	100	94	94	80 - 120	5/11/01
Toluene		µg/Kg	100	91	91	80 - 120	5/11/01
Chlorobenzene		µg/Kg	100	99	99	80 - 120	5/11/01
Ethylbenzene		µg/Kg	100	100	100	80 - 120	5/11/01
Dibromofluoromethane		µg/Kg	50	44.36	88	80 - 120	5/11/01
Toluene-d8		µg/Kg	50	50.67	101	80 - 120	5/11/01
4-Bromofluorobenzene		µg/Kg	50	48.92	97	80 - 120	5/11/01

CCV (1) QCBatch: QC11118

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Arsenic		mg/L	1	.92	92	90 - 110	5/12/01
Total Barium		mg/L	2	1.90	95	90 - 110	5/12/01
Total Cadmium		mg/L	0.50	.48	96	90 - 110	5/12/01
Total Chromium		mg/L	0.20	.18	90	90 - 110	5/12/01
Total Lead		mg/L	1	.91	91	90 - 110	5/12/01
Total Selenium		mg/L	1	.97	97	90 - 110	5/12/01
Total Silver		mg/L	0.25	.23	92	90 - 110	5/12/01

ICV (1) QCBatch: QC11118

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Arsenic		mg/L	1	1.01	101	90 - 110	5/12/01
Total Barium		mg/L	2	1.95	97	90 - 110	5/12/01

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Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Cadmium		mg/L	0.50	.49	98	90 - 110	5/12/01
Total Chromium		mg/L	0.20	.20	100	90 - 110	5/12/01
Total Lead		mg/L	1	.97	97	90 - 110	5/12/01
Total Selenium		mg/L	1	1.02	102	90 - 110	5/12/01
Total Silver		mg/L	0.25	.24	96	90 - 110	5/12/01

CCV (1)

QCBatch: QC11120

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
TCLP Arsenic		mg/L	1	1.07	107	90 - 110	5/12/01
TCLP Barium		mg/L	2	2.07	103	90 - 110	5/12/01
TCLP Cadmium		mg/L	0.50	0.531	106	90 - 110	5/12/01
TCLP Chromium		mg/L	0.20	0.208	104	90 - 110	5/12/01
TCLP Lead		mg/L	1	1.05	105	90 - 110	5/12/01
TCLP Selenium		mg/L	1	1.06	106	90 - 110	5/12/01
TCLP Silver		mg/L	0.25	0.247	98	90 - 110	5/12/01

ICV (1)

QCBatch: QC11120

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
TCLP Arsenic		mg/L	1	1.03	103	90 - 110	5/12/01
TCLP Barium		mg/L	2	2	100	90 - 110	5/12/01
TCLP Cadmium		mg/L	0.50	0.501	100	90 - 110	5/12/01
TCLP Chromium		mg/L	0.20	0.2	100	90 - 110	5/12/01
TCLP Lead		mg/L	1	1	100	90 - 110	5/12/01
TCLP Selenium		mg/L	1	1	100	90 - 110	5/12/01
TCLP Silver		mg/L	0.25	0.249	99	90 - 110	5/12/01

CCV (1)

QCBatch: QC11123

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Arsenic		mg/L	1	1.07	107	90 - 110	5/12/01
Total Barium		mg/L	2	2.09	104	90 - 110	5/12/01
Total Cadmium		mg/L	0.50	0.531	106	90 - 110	5/12/01
Total Chromium		mg/L	0.20	0.209	104	90 - 110	5/12/01
Total Lead		mg/L	1	1.05	105	90 - 110	5/12/01
Total Selenium		mg/L	1	1.04	104	90 - 110	5/12/01
Total Silver		mg/L	0.25	0.251	100	90 - 110	5/12/01

ICV (1) QCBatch: QC11123

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Arsenic		mg/L	1	1.03	103	90 - 110	5/12/01
Total Barium		mg/L	2	2	100	90 - 110	5/12/01
Total Cadmium		mg/L	0.50	0.501	100	90 - 110	5/12/01
Total Chromium		mg/L	0.20	0.20	100	90 - 110	5/12/01
Total Lead		mg/L	1	1	100	90 - 110	5/12/01
Total Selenium		mg/L	1	1	100	90 - 110	5/12/01
Total Silver		mg/L	0.25	0.249	99	90 - 110	5/12/01

CCV (1) QCBatch: QC11134

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
MTBE		mg/Kg	0.10	0.106	106	85 - 115	5/11/01
Benzene		mg/Kg	0.10	0.103	103	85 - 115	5/11/01
Toluene		mg/Kg	0.10	0.0977	97	85 - 115	5/11/01
Ethylbenzene		mg/Kg	0.10	0.0921	92	85 - 115	5/11/01
M,P,O-Xylene		mg/Kg	0.30	0.272	90	85 - 115	5/11/01

ICV (1) QCBatch: QC11134

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
MTBE		mg/Kg	0.10	0.102	102	85 - 115	5/11/01
Benzene		mg/Kg	0.10	0.103	103	85 - 115	5/11/01
Toluene		mg/Kg	0.10	0.0985	98	85 - 115	5/11/01
Ethylbenzene		mg/Kg	0.10	0.0972	97	85 - 115	5/11/01
M,P,O-Xylene		mg/Kg	0.30	0.29	96	85 - 115	5/11/01

CCV (1) QCBatch: QC11161

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Phenol		mg/Kg	60	58.24	97	80 - 120	5/14/01
1,4-Dichlorobenzene		mg/Kg	60	55.21	92	80 - 120	5/14/01
2-Nitrophenol		mg/Kg	60	57.84	96	80 - 120	5/14/01
2,4-Dichlorophenol		mg/Kg	60	57.29	95	80 - 120	5/14/01
Hexachlorobutadiene		mg/Kg	60	53.28	88	80 - 120	5/14/01
4-Chloro-3-methylphenol		mg/Kg	60	58.54	97	80 - 120	5/14/01
2,4,6-Trichlorophenol		mg/Kg	60	55.18	91	80 - 120	5/14/01
Acenaphthene		mg/Kg	60	54.59	90	80 - 120	5/14/01
Diphenylamine		mg/Kg	60	56.46	94	80 - 120	5/14/01
Pentachlorophenol		mg/Kg	60	64.19	106	80 - 120	5/14/01

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Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Fluoranthene		mg/Kg	60	62.7	104	80 - 120	5/14/01
Di-n-octylphthalate		mg/Kg	60	70.88	118	80 - 120	5/14/01
Benzo(a)pyrene		mg/Kg	60	56.16	93	80 - 120	5/14/01
2-Fluorophenol		mg/Kg	60	56.29	93	80 - 120	5/14/01
Phenol-d5		mg/Kg	60	60.49	100	80 - 120	5/14/01
Nitrobenzene-d5		mg/Kg	60	56.27	93	80 - 120	5/14/01
2-Fluorobiphenyl		mg/Kg	60	54.13	90	80 - 120	5/14/01
2,4,6-Tribromophenol		mg/Kg	60	59.29	98	80 - 120	5/14/01
Terphenyl-d14		mg/Kg	60	61.57	102	80 - 120	5/14/01

CCV (1) QCBatch: QC11190

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Specific Conductance		μMHOS/cm	1412	1388	98	90 - 110	5/9/01

ICV (1) QCBatch: QC11190

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Specific Conductance		μMHOS/cm	1411	1397	99	90 - 110	5/9/01

CCV (1) QCBatch: QC11196

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
TCLP Mercury		mg/L	0.005	0.00474	94	80 - 120	5/15/01

ICV (1) QCBatch: QC11196

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
TCLP Mercury		mg/L	0.005	0.00533	106	80 - 120	5/15/01

CCV (1) QCBatch: QC11207

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Vinyl Chloride		mg/L	100	92	92	80 - 120	5/10/01
1,1-Dichloroethene		mg/L	100	95	95	80 - 120	5/10/01
Methyl ethyl ketone		mg/L	100	90	90	80 - 120	5/10/01
Chloroform		mg/L	100	95	95	80 - 120	5/10/01
1,2-Dichloroethane (EDC)		mg/L	100	94	94	80 - 120	5/10/01
Benzene		mg/L	100	94	94	80 - 120	5/10/01
Carbon Tetrachloride		mg/L	100	104	104	80 - 120	5/10/01
Trichloroethene (TCE)		mg/L	100	97	97	80 - 120	5/10/01
Tetrachloroethene (PCE)		mg/L	100	106	106	80 - 120	5/10/01
Chlorobenzene		mg/L	100	100	100	80 - 120	5/10/01
1,4-Dichlorobenzene		mg/L	100	95	95	80 - 120	5/10/01
Dibromofluoromethane		mg/L	50	48.5	97	80 - 120	5/10/01
Toluene-d8		mg/L	50	48.5	97	80 - 120	5/10/01
4-Bromofluorobenzene		mg/L	50	48.5	97	80 - 120	5/10/01

CCV (1)

QCBatch: QC11250

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
pH		s.u.	7	7.0	100	-0.1 s.u. - +0.1 s.u.	5/9/01

ICV (1)

QCBatch: QC11250

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
pH		s.u.	7	7.0	100	-0.1 s.u. - +0.1 s.u.	5/9/01

CCV (1)

QCBatch: QC11294

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Hydroxide Alkalinity		mg/Kg as CaCo3	0	<1.0	0	90 - 110	5/17/01
Carbonate Alkalinity		mg/Kg as CaCo3	0	236	0	90 - 110	5/17/01
Bicarbonate Alkalinity		mg/Kg as CaCo3	0	10	0	90 - 110	5/17/01
Total Alkalinity		mg/Kg as CaCo3	250	246	98	90 - 110	5/17/01

ICV (1)

QCBatch: QC11294

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Hydroxide Alkalinity		mg/Kg as CaCo3	0	<1.0	0	90 - 110	5/17/01

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Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Carbonate Alkalinity		mg/Kg as CaCo3	0	228	0	90 - 110	5/17/01
Bicarbonate Alkalinity		mg/Kg as CaCo3	0	18	0	90 - 110	5/17/01
Total Alkalinity		mg/Kg as CaCo3	250	246	98	90 - 110	5/17/01

CCV (1)

QCBatch: QC12510

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Pyridine		mg/L	60	60.32	100	80 - 120	5/21/01
1,4-Dichlorobenzene		mg/L	60	60.35	100	80 - 120	5/21/01
o-Cresol		mg/L	60	59.44	99	80 - 120	5/21/01
m,p-Cresol		mg/L	60	59.26	98	80 - 120	5/21/01
Hexachloroethane		mg/L	60	63.70	106	80 - 120	5/21/01
Nitrobenzene		mg/L	60	61.95	103	80 - 120	5/21/01
Hexachlorobutadiene		mg/L	60	59.49	99	80 - 120	5/21/01
2,4,6-Trichlorophenol		mg/L	60	57.41	95	80 - 120	5/21/01
2,4,5-Trichlorophenol		mg/L	60	56.31	93	80 - 120	5/21/01
2,4-Dinitrotoluene		mg/L	60	66.90	111	80 - 120	5/21/01
2,4-D		mg/L	60	58.14	96	2 - 92	5/21/01
Hexachlorobenzene		mg/L	60	55.17	91	80 - 120	5/21/01
2,4,5-TP		mg/L	60	56.07	93	0 - 112	5/21/01
Pentachlorophenol		mg/L	60	40.51	67	80 - 120	5/21/01
2-Fluorophenol		mg/L	60	57.44	95	80 - 120	5/21/01
Nitrobenzene-d5		mg/L	60	62.62	104	80 - 120	5/21/01
2-Fluorobiphenyl		mg/L	60	59.99	99	80 - 120	5/21/01
2,4,6-Tribromophenol		mg/L	60	57.22	95	80 - 120	5/21/01
Terphenyl-d14		mg/L	60	53.07	88	80 - 120	5/21/01

Summary Report

Paul Sheeley
OCD
1220 S. Saint Francis Dr.
Santa Fe, NM 87504

Report Date: July 10, 2001

Order ID Number: A01050435

Project Number: N/A
Project Name: R&R Service Co.
Project Location: R&R Service Co.

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
170575	0105030830	Solid	5/3/01	:	5/4/01
170576	0105030845	Solid	5/3/01	:	5/4/01
170577	0105030850	Solid	5/3/01	:	5/4/01
170578	0105030900	Solid	5/3/01	:	5/4/01
170579	0105030905	Solid	5/3/01	:	5/4/01
170580	0105030935	Sludge	5/3/01	:	5/4/01

This report consists of a total of 13 page(s) and is intended only as a summary of results for the sample(s) listed above.

	BTEX					TPH
Sample - Field Code	Benzene (mg/Kg)	Toluene (mg/Kg)	Ethylbenzene (mg/Kg)	M,P,O-Xylene (mg/Kg)	Total BTEX (mg/Kg)	TRPHC (mg/Kg)
170575 - 0105030830	<0.025	<0.025	<0.025	<0.025	<0.025	525000

Sample: 170576 - 0105030845

Param	Flag	Result	Units
Bromochloromethane		<5000	µg/Kg
Dichlorodifluoromethane		<5000	µg/Kg
Chloromethane (methyl chloride)		<5000	µg/Kg
Vinyl Chloride		<5000	µg/Kg
Bromomethane (methyl bromide)		<5000	µg/Kg
Chloroethane		<5000	µg/Kg
Trichlorofluoromethane		<5000	µg/Kg
Acetone	[1]	89600	µg/Kg
Iodomethane (methyl iodide)		<25000	µg/Kg
Carbon Disulfide		<5000	µg/Kg
Acrylonitrile		<5000	µg/Kg
2-Butanone (MEK)		<25000	µg/Kg
4-methyl-2-pentanone (MIBK)		100300	µg/Kg
2-hexanone		<25000	µg/Kg
trans 1,4-Dichloro-2-butene		<50000	µg/Kg
1,1-Dichloroethene		<5000	µg/Kg
Methylene chloride		<25000	µg/Kg
MTBE		<5000	µg/Kg

Continued on next page ...

[1] estimated concentration, RSD value above 15% on initial calibration

Sample 170576 continued ...

Param	Flag	Result	Units
trans-1,2-Dichloroethene		<5000	µg/Kg
1,1-Dichloroethane		<5000	µg/Kg
cis-1,2-Dichloroethene		<5000	µg/Kg
2,2-Dichloropropane		<5000	µg/Kg
1,2-Dichloroethane (EDC)		<5000	µg/Kg
Chloroform		<5000	µg/Kg
1,1,1-Trichloroethane		<5000	µg/Kg
1,1-Dichloropropene		<5000	µg/Kg
Benzene		7600	µg/Kg
Carbon Tetrachloride		<5000	µg/Kg
1,2-Dichloropropane		<5000	µg/Kg
Trichloroethene (TCE)		<5000	µg/Kg
Dibromomethane (methylene bromide)		<5000	µg/Kg
Bromodichloromethane		<5000	µg/Kg
2-Chloroethyl vinyl ether		<25000	µg/Kg
cis-1,3-Dichloropropene		<5000	µg/Kg
trans-1,3-Dichloropropene		<5000	µg/Kg
Toluene	2	1729000	µg/Kg
1,1,2-Trichloroethane		<5000	µg/Kg
1,3-Dichloropropane		<5000	µg/Kg
Dibromochloromethane		<5000	µg/Kg
1,2-Dibromoethane (EDB)		<5000	µg/Kg
Tetrachloroethene (PCE)		<5000	µg/Kg
Chlorobenzene		<5000	µg/Kg
1,1,1,2-Tetrachloroethane		<5000	µg/Kg
Ethylbenzene		192800	µg/Kg
m,p-Xylene		668550	µg/Kg
Bromoform		<5000	µg/Kg
Styrene		<5000	µg/Kg
o-Xylene		199750	µg/Kg
1,1,2,2-Tetrachloroethane		<5000	µg/Kg
2-Chlorotoluene		<5000	µg/Kg
1,2,3-Trichloropropane		<5000	µg/Kg
Isopropylbenzene		20750	µg/Kg
Bromobenzene		<5000	µg/Kg
n-Propylbenzene		50100	µg/Kg
1,3,5-Trimethylbenzene		94650	µg/Kg
tert-Butylbenzene		<5000	µg/Kg
1,2,4-Trimethylbenzene		257250	µg/Kg
1,4-Dichlorobenzene (para)		<5000	µg/Kg
sec-Butylbenzene		10400	µg/Kg
1,3-Dichlorobenzene		<5000	µg/Kg
p-Isopropyltoluene		<5000	µg/Kg
4-Chlorotoluene		<5000	µg/Kg
1,2-Dichlorobenzene (ortho)		<5000	µg/Kg
n-Butylbenzene		14800	µg/Kg
1,2-Dibromo-3-chloropropane		<25000	µg/Kg
1,2,3-Trichlorobenzene		<25000	µg/Kg
1,2,4-Trichlorobenzene		<25000	µg/Kg
Naphthalene		<25000	µg/Kg
Hexachlorobutadiene		<25000	µg/Kg
Pyridine		<62.5	mg/Kg

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[2]estimated concentration, response above standard range

Sample 170576 continued ...

Param	Flag	Result	Units
n-Nitrosodimethylamine		<62.5	mg/Kg
2-Picoline		<62.5	mg/Kg
Methyl methanesulfonate		<62.5	mg/Kg
Ethyl methanesulfonate		<62.5	mg/Kg
Phenol		<62.5	mg/Kg
Aniline		<62.5	mg/Kg
bis (2-chloroethyl) ether		<62.5	mg/Kg
2-Chlorophenol		<62.5	mg/Kg
1,3-Dichlorobenzene		<62.5	mg/Kg
1,4-Dichlorobenzene		<62.5	mg/Kg
Benzyl alcohol		<62.5	mg/Kg
1,2-Dichlorobenzene		<62.5	mg/Kg
2-Methylphenol		<62.5	mg/Kg
bis (2-chloroisopropyl) ether		<62.5	mg/Kg
4-Methylphenol/3-Methylphenol		<62.5	mg/Kg
Acetophenone		<62.5	mg/Kg
n-Nitrosodi-n-propylamine		<62.5	mg/Kg
Hexachloroethane		<62.5	mg/Kg
Nitrobenzene		<62.5	mg/Kg
n-Nitrosopiperidine		<62.5	mg/Kg
Isophorone		<62.5	mg/Kg
2-Nitrophenol		<62.5	mg/Kg
2,4-Dimethylphenol		<62.5	mg/Kg
bis (2-chloroethoxy) methane		<62.5	mg/Kg
Benzoic acid		<62.5	mg/Kg
2,4-Dichlorophenol		<62.5	mg/Kg
1,2,4-Trichlorobenzene		<62.5	mg/Kg
a,a-Dimethylphenethylamine		<62.5	mg/Kg
Naphthalene		<62.5	mg/Kg
4-Chloroaniline		<62.5	mg/Kg
2,6-Dichlorophenol		<62.5	mg/Kg
Hexachlorobutadiene		<62.5	mg/Kg
n-Nitroso-di-n-butylamine		<62.5	mg/Kg
4-Chloro-3-methylphenol		<62.5	mg/Kg
1-Methylnaphthalene		89.92	mg/Kg
2-Methylnaphthalene		85.06	mg/Kg
1,2,4,5-Tetrachlorobenzene		<62.5	mg/Kg
Hexachlorocyclopentadiene		<62.5	mg/Kg
2,4,6-Trichlorophenol		<62.5	mg/Kg
2,4,5-Trichlorophenol		<62.5	mg/Kg
2-Chloronaphthalene		<62.5	mg/Kg
1-Chloronaphthalene		<62.5	mg/Kg
2-Nitroaniline		<62.5	mg/Kg
Dimethylphthalate		<62.5	mg/Kg
Acenaphthylene		<62.5	mg/Kg
2,6-Dinitrotoluene		<62.5	mg/Kg
3-Nitroaniline		<62.5	mg/Kg
Acenaphthene		<62.5	mg/Kg
2,4-Dinitrophenol		<62.5	mg/Kg
Dibenzofuran		<62.5	mg/Kg
Pentachlorobenzene		<62.5	mg/Kg
4-Nitrophenol		<62.5	mg/Kg
1-Naphthylamine		<62.5	mg/Kg

Continued on next page ...

Sample 170576 continued ...

Param	Flag	Result	Units
2,4-Dinitrotoluene		<62.5	mg/Kg
2-Naphthylamine		<62.5	mg/Kg
2,3,4,6-Tetrachlorophenol		<62.5	mg/Kg
Fluorene		<62.5	mg/Kg
Diethylphthalate		<62.5	mg/Kg
4-Chlorophenyl-phenylether		<62.5	mg/Kg
4-Nitroaniline		<62.5	mg/Kg
4,6-Dinitro-2-methylphenol		<62.5	mg/Kg
Diphenylamine		<62.5	mg/Kg
Diphenylhydrazine		<62.5	mg/Kg
4-Bromophenyl-phenylether		<62.5	mg/Kg
Phenacetin		<62.5	mg/Kg
Hexachlorobenzene		<62.5	mg/Kg
4-Aminobiphenyl		<62.5	mg/Kg
Pentachlorophenol		<62.5	mg/Kg
Pentachloronitrobenzene		<62.5	mg/Kg
Pronamide		<62.5	mg/Kg
Phenanthrene		<62.5	mg/Kg
Anthracene		<62.5	mg/Kg
Di-n-butylphthalate		<62.5	mg/Kg
Fluoranthene		<62.5	mg/Kg
Benzidine		<62.5	mg/Kg
Pyrene		<62.5	mg/Kg
p-Dimethylaminoazobenzene		<62.5	mg/Kg
Butylbenzylphthalate		<62.5	mg/Kg
Benzo(a)anthracene		<62.5	mg/Kg
3,3-Dichlorobenzidine		<62.5	mg/Kg
Chrysene		<62.5	mg/Kg
Bis (2-ethylhexyl) phthalate		<62.5	mg/Kg
Di-n-octylphthalate		<62.5	mg/Kg
Benzo(b)fluoranthene		<62.5	mg/Kg
7,12-Dimethylbenz(a)anthracene		<62.5	mg/Kg
Benzo(k)fluoranthene		<62.5	mg/Kg
Benzo(a)pyrene		<62.5	mg/Kg
3-Methylcholanthrene		<62.5	mg/Kg
Dibenzo(a,j)acridine		<62.5	mg/Kg
Indeno(1,2,3-cd)pyrene		<62.5	mg/Kg
Dibenzo(a,h)anthracene		<62.5	mg/Kg
Benzo(g,h,i)perylene		<62.5	mg/Kg
Hydroxide Alkalinity		<1.0	mg/Kg as CaCo3
Carbonate Alkalinity		<1.0	mg/Kg as CaCo3
Bicarbonate Alkalinity		38	mg/Kg as CaCo3
Total Alkalinity		38	mg/Kg as CaCo3
Specific Conductance		7280	μMHOS/cm
Total Mercury		0.33	mg/Kg
CL		2130	mg/Kg
Fluoride		<5.0	mg/Kg
Nitrate-N		<5.0	mg/Kg
Sulfate		1320	mg/Kg
Dissolved Calcium		92300	mg/L
Dissolved Magnesium		8085	mg/L
Dissolved Potassium		888	mg/L
Dissolved Sodium		7582	mg/L

Continued on next page ...

Sample 170576 continued ...

Param	Flag	Result	Units
Total Dissolved Solids		5210	mg/L
Total Arsenic		<5	mg/Kg
Total Barium		748	mg/Kg
Total Cadmium		<2	mg/Kg
Total Chromium		309	mg/Kg
Total Lead		261	mg/Kg
Total Selenium		<5	mg/Kg
Total Silver		<1	mg/Kg
pH		6.9	s.u.

Sample: 170577 - 0105030850

Param	Flag	Result	Units
Bromochloromethane		<500	µg/Kg
Dichlorodifluoromethane		<500	µg/Kg
Chloromethane (methyl chloride)		<500	µg/Kg
Vinyl Chloride		<500	µg/Kg
Bromomethane (methyl bromide)		<500	µg/Kg
Chloroethane		<500	µg/Kg
Trichlorofluoromethane		<500	µg/Kg
Acetone		<5000	µg/Kg
Iodomethane (methyl iodide)		<2500	µg/Kg
Carbon Disulfide		<500	µg/Kg
Acrylonitrile		<500	µg/Kg
2-Butanone (MEK)		<2500	µg/Kg
4-methyl-2-pentanone (MIBK)		<2500	µg/Kg
2-hexanone		<2500	µg/Kg
trans 1,4-Dichloro-2-butene		<5000	µg/Kg
1,1-Dichloroethene		<500	µg/Kg
Methylene chloride		<2500	µg/Kg
MTBE		<500	µg/Kg
trans-1,2-Dichloroethene		<500	µg/Kg
1,1-Dichloroethane		<500	µg/Kg
cis-1,2-Dichloroethene		<500	µg/Kg
2,2-Dichloropropane		<500	µg/Kg
1,2-Dichloroethane (EDC)		<500	µg/Kg
Chloroform		<500	µg/Kg
1,1,1-Trichloroethane		<500	µg/Kg
1,1-Dichloropropene		<500	µg/Kg
Benzene		<500	µg/Kg
Carbon Tetrachloride		<500	µg/Kg
1,2-Dichloropropane		<500	µg/Kg
Trichloroethene (TCE)		<500	µg/Kg
Dibromomethane (methylene bromide)		<500	µg/Kg
Bromodichloromethane		<500	µg/Kg
2-Chloroethyl vinyl ether		<2500	µg/Kg
cis-1,3-Dichloropropene		<500	µg/Kg
trans-1,3-Dichloropropene		<500	µg/Kg
Toluene		<500	µg/Kg
1,1,2-Trichloroethane		<500	µg/Kg
1,3-Dichloropropane		<500	µg/Kg
Dibromochloromethane		<500	µg/Kg

Continued on next page ...

Sample 170577 continued ...

Param	Flag	Result	Units
1,2-Dibromoethane (EDB)		<500	µg/Kg
Tetrachloroethene (PCE)		<500	µg/Kg
Chlorobenzene		<500	µg/Kg
1,1,1,2-Tetrachloroethane		<500	µg/Kg
Ethylbenzene		3625	µg/Kg
m,p-Xylene		4155	µg/Kg
Bromoform		<500	µg/Kg
Styrene		<500	µg/Kg
o-Xylene		1370	µg/Kg
1,1,2,2-Tetrachloroethane		<500	µg/Kg
2-Chlorotoluene		<500	µg/Kg
1,2,3-Trichloropropane		<500	µg/Kg
Isopropylbenzene		3075	µg/Kg
Bromobenzene		<500	µg/Kg
n-Propylbenzene		6745	µg/Kg
1,3,5-Trimethylbenzene		8165	µg/Kg
tert-Butylbenzene		<500	µg/Kg
1,2,4-Trimethylbenzene		31315	µg/Kg
1,4-Dichlorobenzene (para)		<500	µg/Kg
sec-Butylbenzene		4630	µg/Kg
1,3-Dichlorobenzene		<500	µg/Kg
p-Isopropyltoluene		3605	µg/Kg
4-Chlorotoluene		<500	µg/Kg
1,2-Dichlorobenzene (ortho)		<500	µg/Kg
n-Butylbenzene		10375	µg/Kg
1,2-Dibromo-3-chloropropane		<2500	µg/Kg
1,2,3-Trichlorobenzene		<2500	µg/Kg
1,2,4-Trichlorobenzene		<2500	µg/Kg
Naphthalene		25820	µg/Kg
Hexachlorobutadiene		<2500	µg/Kg
Pyridine		<62.5	mg/Kg
n-Nitrosodimethylamine		<62.5	mg/Kg
2-Picoline		<62.5	mg/Kg
Methyl methanesulfonate		<62.5	mg/Kg
Ethyl methanesulfonate		<62.5	mg/Kg
Phenol		<62.5	mg/Kg
Aniline		<62.5	mg/Kg
bis (2-chloroethyl) ether		<62.5	mg/Kg
2-Chlorophenol		<62.5	mg/Kg
1,3-Dichlorobenzene		<62.5	mg/Kg
1,4-Dichlorobenzene		<62.5	mg/Kg
Benzyl alcohol		<62.5	mg/Kg
1,2-Dichlorobenzene		<62.5	mg/Kg
2-Methylphenol		<62.5	mg/Kg
bis (2-chloroisopropyl) ether		<62.5	mg/Kg
4-Methylphenol/3-Methylphenol		<62.5	mg/Kg
Acetophenone		<62.5	mg/Kg
n-Nitrosodi-n-propylamine		<62.5	mg/Kg
Hexachloroethane		<62.5	mg/Kg
Nitrobenzene		<62.5	mg/Kg
n-Nitrosopiperidine		<62.5	mg/Kg
Isophorone		<62.5	mg/Kg
2-Nitrophenol		<62.5	mg/Kg

Continued on next page ...

Sample 170577 continued ...

Param	Flag	Result	Units
2,4-Dimethylphenol		<62.5	mg/Kg
bis (2-chloroethoxy) methane		<62.5	mg/Kg
Benzoic acid		<62.5	mg/Kg
2,4-Dichlorophenol		<62.5	mg/Kg
1,2,4-Trichlorobenzene		<62.5	mg/Kg
a,a-Dimethylphenethylamine		<62.5	mg/Kg
Naphthalene		<62.5	mg/Kg
4-Chloroaniline		<62.5	mg/Kg
2,6-Dichlorophenol		<62.5	mg/Kg
Hexachlorobutadiene		<62.5	mg/Kg
n-Nitroso-di-n-butylamine		<62.5	mg/Kg
4-Chloro-3-methylphenol		<62.5	mg/Kg
1-Methylnaphthalene		147.04	mg/Kg
2-Methylnaphthalene		131.74	mg/Kg
1,2,4,5-Tetrachlorobenzene		<62.5	mg/Kg
Hexachlorocyclopentadiene		<62.5	mg/Kg
2,4,6-Trichlorophenol		<62.5	mg/Kg
2,4,5-Trichlorophenol		<62.5	mg/Kg
2-Chloronaphthalene		<62.5	mg/Kg
1-Chloronaphthalene		<62.5	mg/Kg
2-Nitroaniline		<62.5	mg/Kg
Dimethylphthalate		<62.5	mg/Kg
Acenaphthylene		<62.5	mg/Kg
2,6-Dinitrotoluene		<62.5	mg/Kg
3-Nitroaniline		<62.5	mg/Kg
Acenaphthene		<62.5	mg/Kg
2,4-Dinitrophenol		<62.5	mg/Kg
Dibenzofuran		<62.5	mg/Kg
Pentachlorobenzene		<62.5	mg/Kg
4-Nitrophenol		<62.5	mg/Kg
1-Naphthylamine		<62.5	mg/Kg
2,4-Dinitrotoluene		<62.5	mg/Kg
2-Naphthylamine		<62.5	mg/Kg
2,3,4,6-Tetrachlorophenol		<62.5	mg/Kg
Fluorene		<62.5	mg/Kg
Diethylphthalate		<62.5	mg/Kg
4-Chlorophenyl-phenylether		<62.5	mg/Kg
4-Nitroaniline		<62.5	mg/Kg
4,6-Dinitro-2-methylphenol		<62.5	mg/Kg
Diphenylamine		<62.5	mg/Kg
Diphenylhydrazine		<62.5	mg/Kg
4-Bromophenyl-phenylether		<62.5	mg/Kg
Phenacetin		<62.5	mg/Kg
Hexachlorobenzene		<62.5	mg/Kg
4-Aminobiphenyl		<62.5	mg/Kg
Pentachlorophenol		<62.5	mg/Kg
Pentachloronitrobenzene		<62.5	mg/Kg
Pronamide		<62.5	mg/Kg
Phenanthrene		77.91	mg/Kg
Anthracene		<62.5	mg/Kg
Di-n-butylphthalate		<62.5	mg/Kg
Fluoranthene		<62.5	mg/Kg
Benzidine		<62.5	mg/Kg

Continued on next page ...

Sample 170577 continued ...

Param	Flag	Result	Units
Pyrene		<62.5	mg/Kg
p-Dimethylaminoazobenzene		<62.5	mg/Kg
Butylbenzylphthalate		<62.5	mg/Kg
Benzo(a)anthracene		<62.5	mg/Kg
3,3-Dichlorobenzidine		<62.5	mg/Kg
Chrysene		<62.5	mg/Kg
Bis (2-ethylhexyl) phthalate		<62.5	mg/Kg
Di-n-octylphthalate		<62.5	mg/Kg
Benzo(b)fluoranthene		<62.5	mg/Kg
7,12-Dimethylbenz(a)anthracene		<62.5	mg/Kg
Benzo(k)fluoranthene		<62.5	mg/Kg
Benzo(a)pyrene		<62.5	mg/Kg
3-Methylcholanthrene		<62.5	mg/Kg
Dibenzo(a,j)acridine		<62.5	mg/Kg
Indeno(1,2,3-cd)pyrene		<62.5	mg/Kg
Dibenzo(a,h)anthracene		<62.5	mg/Kg
Benzo(g,h,i)perylene		<62.5	mg/Kg
Test Comments		<62.5	mg/Kg
Hydroxide Alkalinity		<1.0	mg/Kg as CaCo3
Carbonate Alkalinity		<1.0	mg/Kg as CaCo3
Bicarbonate Alkalinity		<1.0	mg/Kg as CaCo3
Total Alkalinity		<1.0	mg/Kg as CaCo3
Specific Conductance		32600	μMHOS/cm
Total Mercury		<0.19	mg/Kg
CL		6930	mg/Kg
Fluoride		<10	mg/Kg
Nitrate-N		<10	mg/Kg
Sulfate		22700	mg/Kg
Dissolved Calcium		16980	mg/L
Dissolved Magnesium		2341	mg/L
Dissolved Potassium		682	mg/L
Dissolved Sodium		8249	mg/L
Total Dissolved Solids		44300	mg/L
Total Arsenic		<5	mg/Kg
Total Barium		545	mg/Kg
Total Cadmium		< 5	mg/Kg
Total Chromium		<5	mg/Kg
Total Lead		75.7	mg/Kg
Total Selenium		<5	mg/Kg
Total Silver		<1	mg/Kg
pH	[3]	2.6	s.u.

Sample: 170578 - 0105030900

Param	Flag	Result	Units
Total Mercury		<0.19	mg/Kg
Total Arsenic		<5	mg/Kg
Total Barium		168	mg/Kg
Total Cadmium		< 5	mg/Kg
Total Chromium		24.6	mg/Kg

Continued on next page ...

[3]This sample was prepped at the same time as the other solid.

Sample 170578 continued ...

Param	Flag	Result	Units
Total Lead		70.9	mg/Kg
Total Selenium		<5	mg/Kg
Total Silver		<1	mg/Kg

Sample: 170579 - 0105030905

Param	Flag	Result	Units
Total Mercury		<0.19	mg/Kg
Total Arsenic		<5	mg/Kg
Total Barium		2250	mg/Kg
Total Cadmium		<2	mg/Kg
Total Chromium		275	mg/Kg
Total Lead		1080	mg/Kg
Total Selenium		<5	mg/Kg
Total Silver		<1	mg/Kg

Sample: 170580 - 0105030935

Param	Flag	Result	Units
Bromochloromethane		<500	µg/Kg
Dichlorodifluoromethane		<500	µg/Kg
Chloromethane (methyl chloride)		<500	µg/Kg
Vinyl Chloride		<500	µg/Kg
Bromomethane (methyl bromide)		<500	µg/Kg
Chloroethane		<500	µg/Kg
Trichlorofluoromethane		<500	µg/Kg
Acetone	[4]	7645	µg/Kg
Iodomethane (methyl iodide)		<2500	µg/Kg
Carbon Disulfide		<500	µg/Kg
Acrylonitrile		<500	µg/Kg
2-Butanone (MEK)		<2500	µg/Kg
4-methyl-2-pentanone (MIBK)		<2500	µg/Kg
2-hexanone		<2500	µg/Kg
trans 1,4-Dichloro-2-butene		<5000	µg/Kg
1,1-Dichloroethene		<500	µg/Kg
Methylene chloride		<2500	µg/Kg
MTBE		<500	µg/Kg
trans-1,2-Dichloroethene		<500	µg/Kg
1,1-Dichloroethane		<500	µg/Kg
cis-1,2-Dichloroethene		<500	µg/Kg
2,2-Dichloropropane		<500	µg/Kg
1,2-Dichloroethane (EDC)		<500	µg/Kg
Chloroform		<500	µg/Kg
1,1,1-Trichloroethane		<500	µg/Kg
1,1-Dichloropropene		<500	µg/Kg
Benzene		<500	µg/Kg
Carbon Tetrachloride		<500	µg/Kg
1,2-Dichloropropane		<500	µg/Kg

Continued on next page ...

[4] estimated concentration, RSD value above 15% on initial calibration

Sample 170580 continued ...

Param	Flag	Result	Units
Trichloroethene (TCE)		<500	µg/Kg
Dibromomethane (methylene bromide)		<500	µg/Kg
Bromodichloromethane		<500	µg/Kg
2-Chloroethyl vinyl ether		<2500	µg/Kg
cis-1,3-Dichloropropene		<500	µg/Kg
trans-1,3-Dichloropropene		<500	µg/Kg
Toluene		<500	µg/Kg
1,1,2-Trichloroethane		11475	µg/Kg
1,3-Dichloropropane		<500	µg/Kg
Dibromochloromethane		<500	µg/Kg
1,2-Dibromoethane (EDB)		<500	µg/Kg
Tetrachloroethene (PCE)		<500	µg/Kg
Chlorobenzene		<500	µg/Kg
1,1,1,2-Tetrachloroethane		<500	µg/Kg
Ethylbenzene		2370	µg/Kg
m,p-Xylene		7620	µg/Kg
Bromoform		<500	µg/Kg
Styrene		<500	µg/Kg
o-Xylene		3080	µg/Kg
1,1,2,2-Tetrachloroethane		<500	µg/Kg
2-Chlorotoluene		<500	µg/Kg
1,2,3-Trichloropropane		<500	µg/Kg
Isopropylbenzene		<500	µg/Kg
Bromobenzene		<500	µg/Kg
n-Propylbenzene		915	µg/Kg
1,3,5-Trimethylbenzene		1865	µg/Kg
tert-Butylbenzene		<500	µg/Kg
1,2,4-Trimethylbenzene		6465	µg/Kg
1,4-Dichlorobenzene (para)		915	µg/Kg
sec-Butylbenzene		<500	µg/Kg
1,3-Dichlorobenzene		<500	µg/Kg
p-Isopropyltoluene		<500	µg/Kg
4-Chlorotoluene		<500	µg/Kg
1,2-Dichlorobenzene (ortho)		<500	µg/Kg
n-Butylbenzene		<500	µg/Kg
1,2-Dibromo-3-chloropropane		<2500	µg/Kg
1,2,3-Trichlorobenzene		<2500	µg/Kg
1,2,4-Trichlorobenzene		<2500	µg/Kg
Naphthalene		4165	µg/Kg
Hexachlorobutadiene		<2500	µg/Kg
Pyridine		<250	mg/Kg
n-Nitrosodimethylamine		<250	mg/Kg
2-Picoline		<250	mg/Kg
Methyl methanesulfonate		<250	mg/Kg
Ethyl methanesulfonate		<250	mg/Kg
Phenol		<250	mg/Kg
Aniline		<250	mg/Kg
bis (2-chloroethyl) ether		<250	mg/Kg
2-Chlorophenol		<250	mg/Kg
1,3-Dichlorobenzene		<250	mg/Kg
1,4-Dichlorobenzene		<250	mg/Kg
Benzyl alcohol		<250	mg/Kg
1,2-Dichlorobenzene		<250	mg/Kg

Continued on next page ...

Sample 170580 continued ...

Param	Flag	Result	Units
2-Methylphenol		<250	mg/Kg
bis (2-chloroisopropyl) ether		<250	mg/Kg
4-Methylphenol/3-Methylphenol		<250	mg/Kg
Acetophenone		<250	mg/Kg
n-Nitrosodi-n-propylamine		<250	mg/Kg
Hexachloroethane		<250	mg/Kg
Nitrobenzene		<250	mg/Kg
n-Nitrosopiperidine		<250	mg/Kg
Isophorone		<250	mg/Kg
2-Nitrophenol		<250	mg/Kg
2,4-Dimethylphenol		<250	mg/Kg
bis (2-chloroethoxy) methane		<250	mg/Kg
Benzoic acid		<250	mg/Kg
2,4-Dichlorophenol		<250	mg/Kg
1,2,4-Trichlorobenzene		<250	mg/Kg
a,a-Dimethylphenethylamine		<250	mg/Kg
Naphthalene		<250	mg/Kg
4-Chloroaniline		<250	mg/Kg
2,6-Dichlorophenol		<250	mg/Kg
Hexachlorobutadiene		<250	mg/Kg
n-Nitroso-di-n-butylamine		<250	mg/Kg
4-Chloro-3-methylphenol		<250	mg/Kg
1-Methylnaphthalene		<250	mg/Kg
2-Methylnaphthalene		<250	mg/Kg
1,2,4,5-Tetrachlorobenzene		<250	mg/Kg
Hexachlorocyclopentadiene		<250	mg/Kg
2,4,6-Trichlorophenol		<250	mg/Kg
2,4,5-Trichlorophenol		<250	mg/Kg
2-Chloronaphthalene		<250	mg/Kg
1-Chloronaphthalene		<250	mg/Kg
2-Nitroaniline		<250	mg/Kg
Dimethylphthalate		<250	mg/Kg
Acenaphthylene		<250	mg/Kg
2,6-Dinitrotoluene		<250	mg/Kg
3-Nitroaniline		<250	mg/Kg
Acenaphthene		<250	mg/Kg
2,4-Dinitrophenol		<250	mg/Kg
Dibenzofuran		<250	mg/Kg
Pentachlorobenzene		<250	mg/Kg
4-Nitrophenol		<250	mg/Kg
1-Naphthylamine		<250	mg/Kg
2,4-Dinitrotoluene		<250	mg/Kg
2-Naphthylamine		<250	mg/Kg
2,3,4,6-Tetrachlorophenol		<250	mg/Kg
Fluorene		<250	mg/Kg
Diethylphthalate		<250	mg/Kg
4-Chlorophenyl-phenylether		<250	mg/Kg
4-Nitroaniline		<250	mg/Kg
4,6-Dinitro-2-methylphenol		<250	mg/Kg
Diphenylamine		<250	mg/Kg
Diphenylhydrazine		<250	mg/Kg
4-Bromophenyl-phenylether		<250	mg/Kg
Phenacetin		<250	mg/Kg

Continued on next page ...

Sample 170580 continued . . .

Param	Flag	Result	Units
Hexachlorobenzene		<250	mg/Kg
4-Aminobiphenyl		<250	mg/Kg
Pentachlorophenol		<250	mg/Kg
Pentachloronitrobenzene		<250	mg/Kg
Pronamide		<250	mg/Kg
Phenanthrene		<250	mg/Kg
Anthracene		<250	mg/Kg
Di-n-butylphthalate		<250	mg/Kg
Fluoranthene		<250	mg/Kg
Benzidine		<250	mg/Kg
Pyrene		<250	mg/Kg
p-Dimethylaminoazobenzene		<250	mg/Kg
Butylbenzylphthalate		<250	mg/Kg
Benzo(a)anthracene		<250	mg/Kg
3,3-Dichlorobenzidine		<250	mg/Kg
Chrysene		<250	mg/Kg
Bis (2-ethylhexyl) phthalate		<250	mg/Kg
Di-n-octylphthalate		<250	mg/Kg
Benzo(b)fluoranthene		<250	mg/Kg
7,12-Dimethylbenz(a)anthracene		<250	mg/Kg
Benzo(k)fluoranthene		<250	mg/Kg
Benzo(a)pyrene		<250	mg/Kg
3-Methylcholanthrene		<250	mg/Kg
Dibenzo(a,j)acridine		<250	mg/Kg
Indeno(1,2,3-cd)pyrene		<250	mg/Kg
Dibenzo(a,h)anthracene		<250	mg/Kg
Benzo(g,h,i)perylene		<250	mg/Kg
Corrosivity		non	mm/yr
pH		5.76	s.u.
Ignitability		non-ignitable	
Reactivity		Non-reactive	
Hydrogen Sulfide		<10	mg/Kg
Hydrogen Cyanide		<2.5	mg/Kg
TCLP Mercury		<0.010	mg/L
TCLP Arsenic		<1	mg/L
TCLP Barium		<1	mg/L
TCLP Cadmium		<0.2	mg/L
TCLP Chromium		<1	mg/L
TCLP Lead		<1	mg/L
TCLP Selenium		<1	mg/L
TCLP Silver		<0.5	mg/L
Pyridine		<0.05	mg/L
1,4-Dichlorobenzene		<0.05	mg/L
o-Cresol		<0.05	mg/L
m,p-Cresol		<0.05	mg/L
Hexachloroethane		<0.05	mg/L
Nitrobenzene		<0.05	mg/L
Hexachlorobutadiene		<0.05	mg/L
2,4,6-Trichlorophenol		<0.05	mg/L
2,4,5-Trichlorophenol		<0.05	mg/L
2,4-Dinitrotoluene		<0.05	mg/L
2,4-D		<0.05	mg/L
Hexachlorobenzene		<0.05	mg/L

Continued on next page . . .

Sample 170580 continued ...

Param	Flag	Result	Units
2,4,5-TP		<0.05	mg/L
Pentachlorophenol		<0.05	mg/L
Vinyl Chloride		<0.05	mg/L
1,1-Dichloroethene		<0.05	mg/L
Methyl ethyl ketone		<0.50	mg/L
Chloroform		<0.05	mg/L
1,2-Dichloroethane (EDC)		<0.05	mg/L
Benzene		<0.05	mg/L
Carbon Tetrachloride		<0.05	mg/L
Trichloroethene (TCE)		<0.05	mg/L
Tetrachloroethene (PCE)		<0.05	mg/L
Chlorobenzene		<0.05	mg/L
1,4-Dichlorobenzene		<0.05	mg/L
Total Arsenic		<10	mg/Kg
Total Barium		74.3	mg/Kg
Total Cadmium		<5.0	mg/Kg
Total Chromium		5.34	mg/Kg
Total Lead		22.3	mg/Kg
Total Selenium		<10	mg/Kg
Total Silver		<2.5	mg/Kg

Sample 170576 continued ...

Param	Flag	Result	Units
trans-1,2-Dichloroethene		<5000	µg/Kg
1,1-Dichloroethane		<5000	µg/Kg
cis-1,2-Dichloroethene		<5000	µg/Kg
2,2-Dichloropropane		<5000	µg/Kg
1,2-Dichloroethane (EDC)		<5000	µg/Kg
Chloroform		<5000	µg/Kg
1,1,1-Trichloroethane		<5000	µg/Kg
1,1-Dichloropropene		<5000	µg/Kg
Benzene		7600	µg/Kg
Carbon Tetrachloride		<5000	µg/Kg
1,2-Dichloropropane		<5000	µg/Kg
Trichloroethene (TCE)		<5000	µg/Kg
Dibromomethane (methylene bromide)		<5000	µg/Kg
Bromodichloromethane		<5000	µg/Kg
2-Chloroethyl vinyl ether		<25000	µg/Kg
cis-1,3-Dichloropropene		<5000	µg/Kg
trans-1,3-Dichloropropene		<5000	µg/Kg
Toluene	2	1729000	µg/Kg
1,1,2-Trichloroethane		<5000	µg/Kg
1,3-Dichloropropane		<5000	µg/Kg
Dibromochloromethane		<5000	µg/Kg
1,2-Dibromoethane (EDB)		<5000	µg/Kg
Tetrachloroethene (PCE)		<5000	µg/Kg
Chlorobenzene		<5000	µg/Kg
1,1,1,2-Tetrachloroethane		<5000	µg/Kg
Ethylbenzene		192800	µg/Kg
m,p-Xylene		668550	µg/Kg
Bromoform		<5000	µg/Kg
Styrene		<5000	µg/Kg
o-Xylene		199750	µg/Kg
1,1,2,2-Tetrachloroethane		<5000	µg/Kg
2-Chlorotoluene		<5000	µg/Kg
1,2,3-Trichloropropane		<5000	µg/Kg
Isopropylbenzene		20750	µg/Kg
Bromobenzene		<5000	µg/Kg
n-Propylbenzene		50100	µg/Kg
1,3,5-Trimethylbenzene		94650	µg/Kg
tert-Butylbenzene		<5000	µg/Kg
1,2,4-Trimethylbenzene		257250	µg/Kg
1,4-Dichlorobenzene (para)		<5000	µg/Kg
sec-Butylbenzene		10400	µg/Kg
1,3-Dichlorobenzene		<5000	µg/Kg
p-Isopropyltoluene		<5000	µg/Kg
4-Chlorotoluene		<5000	µg/Kg
1,2-Dichlorobenzene (ortho)		<5000	µg/Kg
n-Butylbenzene		14800	µg/Kg
1,2-Dibromo-3-chloropropane		<25000	µg/Kg
1,2,3-Trichlorobenzene		<25000	µg/Kg
1,2,4-Trichlorobenzene		<25000	µg/Kg
Naphthalene		<25000	µg/Kg
Hexachlorobutadiene		<25000	µg/Kg
Pyridine		<62.5	mg/Kg

Continued on next page ...

[2] estimated concentration, response above standard range

Sample 170576 continued ...

Param	Flag	Result	Units
n-Nitrosodimethylamine		<62.5	mg/Kg
2-Picoline		<62.5	mg/Kg
Methyl methanesulfonate		<62.5	mg/Kg
Ethyl methanesulfonate		<62.5	mg/Kg
Phenol		<62.5	mg/Kg
Aniline		<62.5	mg/Kg
bis (2-chloroethyl) ether		<62.5	mg/Kg
2-Chlorophenol		<62.5	mg/Kg
1,3-Dichlorobenzene		<62.5	mg/Kg
1,4-Dichlorobenzene		<62.5	mg/Kg
Benzyl alcohol		<62.5	mg/Kg
1,2-Dichlorobenzene		<62.5	mg/Kg
2-Methylphenol		<62.5	mg/Kg
bis (2-chloroisopropyl) ether		<62.5	mg/Kg
4-Methylphenol/3-Methylphenol		<62.5	mg/Kg
Acetophenone		<62.5	mg/Kg
n-Nitrosodi-n-propylamine		<62.5	mg/Kg
Hexachloroethane		<62.5	mg/Kg
Nitrobenzene		<62.5	mg/Kg
n-Nitrosopiperidine		<62.5	mg/Kg
Isophorone		<62.5	mg/Kg
2-Nitrophenol		<62.5	mg/Kg
2,4-Dimethylphenol		<62.5	mg/Kg
bis (2-chloroethoxy) methane		<62.5	mg/Kg
Benzoic acid		<62.5	mg/Kg
2,4-Dichlorophenol		<62.5	mg/Kg
1,2,4-Trichlorobenzene		<62.5	mg/Kg
a,a-Dimethylphenethylamine		<62.5	mg/Kg
Naphthalene		<62.5	mg/Kg
4-Chloroaniline		<62.5	mg/Kg
2,6-Dichlorophenol		<62.5	mg/Kg
Hexachlorobutadiene		<62.5	mg/Kg
n-Nitroso-di-n-butylamine		<62.5	mg/Kg
4-Chloro-3-methylphenol		<62.5	mg/Kg
1-Methylnaphthalene		89.92	mg/Kg
2-Methylnaphthalene		85.06	mg/Kg
1,2,4,5-Tetrachlorobenzene		<62.5	mg/Kg
Hexachlorocyclopentadiene		<62.5	mg/Kg
2,4,6-Trichlorophenol		<62.5	mg/Kg
2,4,5-Trichlorophenol		<62.5	mg/Kg
2-Chloronaphthalene		<62.5	mg/Kg
1-Chloronaphthalene		<62.5	mg/Kg
2-Nitroaniline		<62.5	mg/Kg
Dimethylphthalate		<62.5	mg/Kg
Acenaphthylene		<62.5	mg/Kg
2,6-Dinitrotoluene		<62.5	mg/Kg
3-Nitroaniline		<62.5	mg/Kg
Acenaphthene		<62.5	mg/Kg
2,4-Dinitrophenol		<62.5	mg/Kg
Dibenzofuran		<62.5	mg/Kg
Pentachlorobenzene		<62.5	mg/Kg
4-Nitrophenol		<62.5	mg/Kg
1-Naphthylamine		<62.5	mg/Kg

Continued on next page ...

Sample 170576 continued ...

Param	Flag	Result	Units
2,4-Dinitrotoluene		<62.5	mg/Kg
2-Naphthylamine		<62.5	mg/Kg
2,3,4,6-Tetrachlorophenol		<62.5	mg/Kg
Fluorene		<62.5	mg/Kg
Diethylphthalate		<62.5	mg/Kg
4-Chlorophenyl-phenylether		<62.5	mg/Kg
4-Nitroaniline		<62.5	mg/Kg
4,6-Dinitro-2-methylphenol		<62.5	mg/Kg
Diphenylamine		<62.5	mg/Kg
Diphenylhydrazine		<62.5	mg/Kg
4-Bromophenyl-phenylether		<62.5	mg/Kg
Phenacetin		<62.5	mg/Kg
Hexachlorobenzene		<62.5	mg/Kg
4-Aminobiphenyl		<62.5	mg/Kg
Pentachlorophenol		<62.5	mg/Kg
Pentachloronitrobenzene		<62.5	mg/Kg
Pronamide		<62.5	mg/Kg
Phenanthrene		<62.5	mg/Kg
Anthracene		<62.5	mg/Kg
Di-n-butylphthalate		<62.5	mg/Kg
Fluoranthene		<62.5	mg/Kg
Benzidine		<62.5	mg/Kg
Pyrene		<62.5	mg/Kg
p-Dimethylaminoazobenzene		<62.5	mg/Kg
Butylbenzylphthalate		<62.5	mg/Kg
Benzo(a)anthracene		<62.5	mg/Kg
3,3-Dichlorobenzidine		<62.5	mg/Kg
Chrysene		<62.5	mg/Kg
Bis (2-ethylhexyl) phthalate		<62.5	mg/Kg
Di-n-octylphthalate		<62.5	mg/Kg
Benzo(b)fluoranthene		<62.5	mg/Kg
7,12-Dimethylbenz(a)anthracene		<62.5	mg/Kg
Benzo(k)fluoranthene		<62.5	mg/Kg
Benzo(a)pyrene		<62.5	mg/Kg
3-Methylcholanthrene		<62.5	mg/Kg
Dibenzo(a,j)acridine		<62.5	mg/Kg
Indeno(1,2,3-cd)pyrene		<62.5	mg/Kg
Dibenzo(a,h)anthracene		<62.5	mg/Kg
Benzo(g,h,i)perylene		<62.5	mg/Kg
Hydroxide Alkalinity		<1.0	mg/Kg as CaCo3
Carbonate Alkalinity		<1.0	mg/Kg as CaCo3
Bicarbonate Alkalinity		38	mg/Kg as CaCo3
Total Alkalinity		38	mg/Kg as CaCo3
Specific Conductance		7280	μMHOS/cm
Total Mercury		0.33	mg/Kg
CL		2130	mg/Kg
Fluoride		<5.0	mg/Kg
Nitrate-N		<5.0	mg/Kg
Sulfate		1320	mg/Kg
Dissolved Calcium		92300	mg/L
Dissolved Magnesium		8085	mg/L
Dissolved Potassium		888	mg/L
Dissolved Sodium		7582	mg/L

Continued on next page ...

Sample 170576 continued ...

Param	Flag	Result	Units
Total Dissolved Solids		5210	mg/L
Total Arsenic		<5	mg/Kg
Total Barium		748	mg/Kg
Total Cadmium		<2	mg/Kg
Total Chromium		309	mg/Kg
Total Lead		261	mg/Kg
Total Selenium		<5	mg/Kg
Total Silver		<1	mg/Kg
pH		6.9	s.u.

Sample: 170577 - 0105030850

Param	Flag	Result	Units
Bromochloromethane		<500	µg/Kg
Dichlorodifluoromethane		<500	µg/Kg
Chloromethane (methyl chloride)		<500	µg/Kg
Vinyl Chloride		<500	µg/Kg
Bromomethane (methyl bromide)		<500	µg/Kg
Chloroethane		<500	µg/Kg
Trichlorofluoromethane		<500	µg/Kg
Acetone		<5000	µg/Kg
Iodomethane (methyl iodide)		<2500	µg/Kg
Carbon Disulfide		<500	µg/Kg
Acrylonitrile		<500	µg/Kg
2-Butanone (MEK)		<2500	µg/Kg
4-methyl-2-pentanone (MIBK)		<2500	µg/Kg
2-hexanone		<2500	µg/Kg
trans 1,4-Dichloro-2-butene		<5000	µg/Kg
1,1-Dichloroethene		<500	µg/Kg
Methylene chloride		<2500	µg/Kg
MTBE		<500	µg/Kg
trans-1,2-Dichloroethene		<500	µg/Kg
1,1-Dichloroethane		<500	µg/Kg
cis-1,2-Dichloroethene		<500	µg/Kg
2,2-Dichloropropane		<500	µg/Kg
1,2-Dichloroethane (EDC)		<500	µg/Kg
Chloroform		<500	µg/Kg
1,1,1-Trichloroethane		<500	µg/Kg
1,1-Dichloropropene		<500	µg/Kg
Benzene		<500	µg/Kg
Carbon Tetrachloride		<500	µg/Kg
1,2-Dichloropropane		<500	µg/Kg
Trichloroethene (TCE)		<500	µg/Kg
Dibromomethane (methylene bromide)		<500	µg/Kg
Bromodichloromethane		<500	µg/Kg
2-Chloroethyl vinyl ether		<2500	µg/Kg
cis-1,3-Dichloropropene		<500	µg/Kg
trans-1,3-Dichloropropene		<500	µg/Kg
Toluene		<500	µg/Kg
1,1,2-Trichloroethane		<500	µg/Kg
1,3-Dichloropropane		<500	µg/Kg
Dibromochloromethane		<500	µg/Kg

Continued on next page ...

Sample 170577 continued ...

Param	Flag	Result	Units
1,2-Dibromoethane (EDB)		<500	µg/Kg
Tetrachloroethene (PCE)		<500	µg/Kg
Chlorobenzene		<500	µg/Kg
1,1,1,2-Tetrachloroethane		<500	µg/Kg
Ethylbenzene		3625	µg/Kg
m,p-Xylene		4155	µg/Kg
Bromoform		<500	µg/Kg
Styrene		<500	µg/Kg
o-Xylene		1370	µg/Kg
1,1,2,2-Tetrachloroethane		<500	µg/Kg
2-Chlorotoluene		<500	µg/Kg
1,2,3-Trichloropropane		<500	µg/Kg
Isopropylbenzene		3075	µg/Kg
Bromobenzene		<500	µg/Kg
n-Propylbenzene		6745	µg/Kg
1,3,5-Trimethylbenzene		8165	µg/Kg
tert-Butylbenzene		<500	µg/Kg
1,2,4-Trimethylbenzene		31315	µg/Kg
1,4-Dichlorobenzene (para)		<500	µg/Kg
sec-Butylbenzene		4630	µg/Kg
1,3-Dichlorobenzene		<500	µg/Kg
p-Isopropyltoluene		3605	µg/Kg
4-Chlorotoluene		<500	µg/Kg
1,2-Dichlorobenzene (ortho)		<500	µg/Kg
n-Butylbenzene		10375	µg/Kg
1,2-Dibromo-3-chloropropane		<2500	µg/Kg
1,2,3-Trichlorobenzene		<2500	µg/Kg
1,2,4-Trichlorobenzene		<2500	µg/Kg
Naphthalene		25820	µg/Kg
Hexachlorobutadiene		<2500	µg/Kg
Pyridine		<62.5	mg/Kg
n-Nitrosodimethylamine		<62.5	mg/Kg
2-Picoline		<62.5	mg/Kg
Methyl methanesulfonate		<62.5	mg/Kg
Ethyl methanesulfonate		<62.5	mg/Kg
Phenol		<62.5	mg/Kg
Aniline		<62.5	mg/Kg
bis (2-chloroethyl) ether		<62.5	mg/Kg
2-Chlorophenol		<62.5	mg/Kg
1,3-Dichlorobenzene		<62.5	mg/Kg
1,4-Dichlorobenzene		<62.5	mg/Kg
Benzyl alcohol		<62.5	mg/Kg
1,2-Dichlorobenzene		<62.5	mg/Kg
2-Methylphenol		<62.5	mg/Kg
bis (2-chloroisopropyl) ether		<62.5	mg/Kg
4-Methylphenol/3-Methylphenol		<62.5	mg/Kg
Acetophenone		<62.5	mg/Kg
n-Nitrosodi-n-propylamine		<62.5	mg/Kg
Hexachloroethane		<62.5	mg/Kg
Nitrobenzene		<62.5	mg/Kg
n-Nitrosopiperidine		<62.5	mg/Kg
Isophorone		<62.5	mg/Kg
2-Nitrophenol		<62.5	mg/Kg

Continued on next page ...

Sample 170577 continued ...

Param	Flag	Result	Units
2,4-Dimethylphenol		<62.5	mg/Kg
bis (2-chloroethoxy) methane		<62.5	mg/Kg
Benzoic acid		<62.5	mg/Kg
2,4-Dichlorophenol		<62.5	mg/Kg
1,2,4-Trichlorobenzene		<62.5	mg/Kg
a,a-Dimethylphenethylamine		<62.5	mg/Kg
Naphthalene		<62.5	mg/Kg
4-Chloroaniline		<62.5	mg/Kg
2,6-Dichlorophenol		<62.5	mg/Kg
Hexachlorobutadiene		<62.5	mg/Kg
n-Nitroso-di-n-butylamine		<62.5	mg/Kg
4-Chloro-3-methylphenol		<62.5	mg/Kg
1-Methylnaphthalene		147.04	mg/Kg
2-Methylnaphthalene		131.74	mg/Kg
1,2,4,5-Tetrachlorobenzene		<62.5	mg/Kg
Hexachlorocyclopentadiene		<62.5	mg/Kg
2,4,6-Trichlorophenol		<62.5	mg/Kg
2,4,5-Trichlorophenol		<62.5	mg/Kg
2-Chloronaphthalene		<62.5	mg/Kg
1-Chloronaphthalene		<62.5	mg/Kg
2-Nitroaniline		<62.5	mg/Kg
Dimethylphthalate		<62.5	mg/Kg
Acenaphthylene		<62.5	mg/Kg
2,6-Dinitrotoluene		<62.5	mg/Kg
3-Nitroaniline		<62.5	mg/Kg
Acenaphthene		<62.5	mg/Kg
2,4-Dinitrophenol		<62.5	mg/Kg
Dibenzofuran		<62.5	mg/Kg
Pentachlorobenzene		<62.5	mg/Kg
4-Nitrophenol		<62.5	mg/Kg
1-Naphthylamine		<62.5	mg/Kg
2,4-Dinitrotoluene		<62.5	mg/Kg
2-Naphthylamine		<62.5	mg/Kg
2,3,4,6-Tetrachlorophenol		<62.5	mg/Kg
Fluorene		<62.5	mg/Kg
Diethylphthalate		<62.5	mg/Kg
4-Chlorophenyl-phenylether		<62.5	mg/Kg
4-Nitroaniline		<62.5	mg/Kg
4,6-Dinitro-2-methylphenol		<62.5	mg/Kg
Diphenylamine		<62.5	mg/Kg
Diphenylhydrazine		<62.5	mg/Kg
4-Bromophenyl-phenylether		<62.5	mg/Kg
Phenacetin		<62.5	mg/Kg
Hexachlorobenzene		<62.5	mg/Kg
4-Aminobiphenyl		<62.5	mg/Kg
Pentachlorophenol		<62.5	mg/Kg
Pentachloronitrobenzene		<62.5	mg/Kg
Pronamide		<62.5	mg/Kg
Phenanthrene		77.91	mg/Kg
Anthracene		<62.5	mg/Kg
Di-n-butylphthalate		<62.5	mg/Kg
Fluoranthene		<62.5	mg/Kg
Benzidine		<62.5	mg/Kg

Continued on next page ...

Sample 170577 continued ...

Param	Flag	Result	Units
Pyrene		<62.5	mg/Kg
p-Dimethylaminoazobenzene		<62.5	mg/Kg
Butylbenzylphthalate		<62.5	mg/Kg
Benzo(a)anthracene		<62.5	mg/Kg
3,3-Dichlorobenzidine		<62.5	mg/Kg
Chrysene		<62.5	mg/Kg
Bis (2-ethylhexyl) phthalate		<62.5	mg/Kg
Di-n-octylphthalate		<62.5	mg/Kg
Benzo(b)fluoranthene		<62.5	mg/Kg
7,12-Dimethylbenz(a)anthracene		<62.5	mg/Kg
Benzo(k)fluoranthene		<62.5	mg/Kg
Benzo(a)pyrene		<62.5	mg/Kg
3-Methylcholanthrene		<62.5	mg/Kg
Dibenzo(a,j)acridine		<62.5	mg/Kg
Indeno(1,2,3-cd)pyrene		<62.5	mg/Kg
Dibenzo(a,h)anthracene		<62.5	mg/Kg
Benzo(g,h,i)perylene		<62.5	mg/Kg
Test Comments		<62.5	mg/Kg
Hydroxide Alkalinity		<1.0	mg/Kg as CaCo3
Carbonate Alkalinity		<1.0	mg/Kg as CaCo3
Bicarbonate Alkalinity		<1.0	mg/Kg as CaCo3
Total Alkalinity		<1.0	mg/Kg as CaCo3
Specific Conductance		32600	μMHOS/cm
Total Mercury		<0.19	mg/Kg
CL		6930	mg/Kg
Fluoride		<10	mg/Kg
Nitrate-N		<10	mg/Kg
Sulfate		22700	mg/Kg
Dissolved Calcium		16980	mg/L
Dissolved Magnesium		2341	mg/L
Dissolved Potassium		682	mg/L
Dissolved Sodium		8249	mg/L
Total Dissolved Solids		44300	mg/L
Total Arsenic		<5	mg/Kg
Total Barium		545	mg/Kg
Total Cadmium		< 5	mg/Kg
Total Chromium		<5	mg/Kg
Total Lead		75.7	mg/Kg
Total Selenium		<5	mg/Kg
Total Silver		<1	mg/Kg
pH	[3]	2.6	s.u.

Sample: 170578 - 0105030900

Param	Flag	Result	Units
Total Mercury		<0.19	mg/Kg
Total Arsenic		<5	mg/Kg
Total Barium		168	mg/Kg
Total Cadmium		< 5	mg/Kg
Total Chromium		24.6	mg/Kg

Continued on next page ...

[3]This sample was prepped at the same time as the other solid.

Sample 170578 continued ...

Param	Flag	Result	Units
Total Lead		70.9	mg/Kg
Total Selenium		<5	mg/Kg
Total Silver		<1	mg/Kg

Sample: 170579 - 0105030905

Param	Flag	Result	Units
Total Mercury		<0.19	mg/Kg
Total Arsenic		<5	mg/Kg
Total Barium		2250	mg/Kg
Total Cadmium		<2	mg/Kg
Total Chromium		275	mg/Kg
Total Lead		1080	mg/Kg
Total Selenium		<5	mg/Kg
Total Silver		<1	mg/Kg

Sample: 170580 - 0105030935

Param	Flag	Result	Units
Bromochloromethane		<500	µg/Kg
Dichlorodifluoromethane		<500	µg/Kg
Chloromethane (methyl chloride)		<500	µg/Kg
Vinyl Chloride		<500	µg/Kg
Bromomethane (methyl bromide)		<500	µg/Kg
Chloroethane		<500	µg/Kg
Trichlorofluoromethane		<500	µg/Kg
Acetone	[4]	7645	µg/Kg
Iodomethane (methyl iodide)		<2500	µg/Kg
Carbon Disulfide		<500	µg/Kg
Acrylonitrile		<500	µg/Kg
2-Butanone (MEK)		<2500	µg/Kg
4-methyl-2-pentanone (MIBK)		<2500	µg/Kg
2-hexanone		<2500	µg/Kg
trans 1,4-Dichloro-2-butene		<5000	µg/Kg
1,1-Dichloroethene		<500	µg/Kg
Methylene chloride		<2500	µg/Kg
MTBE		<500	µg/Kg
trans-1.2-Dichloroethene		<500	µg/Kg
1,1-Dichloroethane		<500	µg/Kg
cis-1,2-Dichloroethene		<500	µg/Kg
2,2-Dichloropropane		<500	µg/Kg
1,2-Dichloroethane (EDC)		<500	µg/Kg
Chloroform		<500	µg/Kg
1,1,1-Trichloroethane		<500	µg/Kg
1,1-Dichloropropene		<500	µg/Kg
Benzene		<500	µg/Kg
Carbon Tetrachloride		<500	µg/Kg
1,2-Dichloropropane		<500	µg/Kg

Continued on next page ...

[4] estimated concentration, RSD value above 15% on initial calibration

Sample 170580 continued ...

Param	Flag	Result	Units
Trichloroethene (TCE)		<500	µg/Kg
Dibromomethane (methylene bromide)		<500	µg/Kg
Bromodichloromethane		<500	µg/Kg
2-Chloroethyl vinyl ether		<2500	µg/Kg
cis-1,3-Dichloropropene		<500	µg/Kg
trans-1,3-Dichloropropene		<500	µg/Kg
Toluene		<500	µg/Kg
1,1,2-Trichloroethane		11475	µg/Kg
1,3-Dichloropropane		<500	µg/Kg
Dibromochloromethane		<500	µg/Kg
1,2-Dibromoethane (EDB)		<500	µg/Kg
Tetrachloroethene (PCE)		<500	µg/Kg
Chlorobenzene		<500	µg/Kg
1,1,1,2-Tetrachloroethane		<500	µg/Kg
Ethylbenzene		2370	µg/Kg
m,p-Xylene		7620	µg/Kg
Bromoform		<500	µg/Kg
Styrene		<500	µg/Kg
o-Xylene		3080	µg/Kg
1,1,2,2-Tetrachloroethane		<500	µg/Kg
2-Chlorotoluene		<500	µg/Kg
1,2,3-Trichloropropane		<500	µg/Kg
Isopropylbenzene		<500	µg/Kg
Bromobenzene		<500	µg/Kg
n-Propylbenzene		915	µg/Kg
1,3,5-Trimethylbenzene		1865	µg/Kg
tert-Butylbenzene		<500	µg/Kg
1,2,4-Trimethylbenzene		6465	µg/Kg
1,4-Dichlorobenzene (para)		915	µg/Kg
sec-Butylbenzene		<500	µg/Kg
1,3-Dichlorobenzene		<500	µg/Kg
p-Isopropyltoluene		<500	µg/Kg
4-Chlorotoluene		<500	µg/Kg
1,2-Dichlorobenzene (ortho)		<500	µg/Kg
n-Butylbenzene		<500	µg/Kg
1,2-Dibromo-3-chloropropane		<2500	µg/Kg
1,2,3-Trichlorobenzene		<2500	µg/Kg
1,2,4-Trichlorobenzene		<2500	µg/Kg
Naphthalene		4165	µg/Kg
Hexachlorobutadiene		<2500	µg/Kg
Pyridine		<250	mg/Kg
n-Nitrosodimethylamine		<250	mg/Kg
2-Picoline		<250	mg/Kg
Methyl methanesulfonate		<250	mg/Kg
Ethyl methanesulfonate		<250	mg/Kg
Phenol		<250	mg/Kg
Aniline		<250	mg/Kg
bis (2-chloroethyl) ether		<250	mg/Kg
2-Chlorophenol		<250	mg/Kg
1,3-Dichlorobenzene		<250	mg/Kg
1,4-Dichlorobenzene		<250	mg/Kg
Benzyl alcohol		<250	mg/Kg
1,2-Dichlorobenzene		<250	mg/Kg

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Sample 170580 continued ...

Param	Flag	Result	Units
2-Methylphenol		<250	mg/Kg
bis (2-chloroisopropyl) ether		<250	mg/Kg
4-Methylphenol/3-Methylphenol		<250	mg/Kg
Acetophenone		<250	mg/Kg
n-Nitrosodi-n-propylamine		<250	mg/Kg
Hexachloroethane		<250	mg/Kg
Nitrobenzene		<250	mg/Kg
n-Nitrosopiperidine		<250	mg/Kg
Isophorone		<250	mg/Kg
2-Nitrophenol		<250	mg/Kg
2,4-Dimethylphenol		<250	mg/Kg
bis (2-chloroethoxy) methane		<250	mg/Kg
Benzoic acid		<250	mg/Kg
2,4-Dichlorophenol		<250	mg/Kg
1,2,4-Trichlorobenzene		<250	mg/Kg
a,a-Dimethylphenethylamine		<250	mg/Kg
Naphthalene		<250	mg/Kg
4-Chloroaniline		<250	mg/Kg
2,6-Dichlorophenol		<250	mg/Kg
Hexachlorobutadiene		<250	mg/Kg
n-Nitroso-di-n-butylamine		<250	mg/Kg
4-Chloro-3-methylphenol		<250	mg/Kg
1-Methylnaphthalene		<250	mg/Kg
2-Methylnaphthalene		<250	mg/Kg
1,2,4,5-Tetrachlorobenzene		<250	mg/Kg
Hexachlorocyclopentadiene		<250	mg/Kg
2,4,6-Trichlorophenol		<250	mg/Kg
2,4,5-Trichlorophenol		<250	mg/Kg
2-Chloronaphthalene		<250	mg/Kg
1-Chloronaphthalene		<250	mg/Kg
2-Nitroaniline		<250	mg/Kg
Dimethylphthalate		<250	mg/Kg
Acenaphthylene		<250	mg/Kg
2,6-Dinitrotoluene		<250	mg/Kg
3-Nitroaniline		<250	mg/Kg
Acenaphthene		<250	mg/Kg
2,4-Dinitrophenol		<250	mg/Kg
Dibenzofuran		<250	mg/Kg
Pentachlorobenzene		<250	mg/Kg
4-Nitrophenol		<250	mg/Kg
1-Naphthylamine		<250	mg/Kg
2,4-Dinitrotoluene		<250	mg/Kg
2-Naphthylamine		<250	mg/Kg
2,3,4,6-Tetrachlorophenol		<250	mg/Kg
Fluorene		<250	mg/Kg
Diethylphthalate		<250	mg/Kg
4-Chlorophenyl-phenylether		<250	mg/Kg
4-Nitroaniline		<250	mg/Kg
4,6-Dinitro-2-methylphenol		<250	mg/Kg
Diphenylamine		<250	mg/Kg
Diphenylhydrazine		<250	mg/Kg
4-Bromophenyl-phenylether		<250	mg/Kg
Phenacetin		<250	mg/Kg

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Sample 170580 continued ...

Param	Flag	Result	Units
Hexachlorobenzene		<250	mg/Kg
4-Aminobiphenyl		<250	mg/Kg
Pentachlorophenol		<250	mg/Kg
Pentachloronitrobenzene		<250	mg/Kg
Pronamide		<250	mg/Kg
Phenanthrene		<250	mg/Kg
Anthracene		<250	mg/Kg
Di-n-butylphthalate		<250	mg/Kg
Fluoranthene		<250	mg/Kg
Benzidine		<250	mg/Kg
Pyrene		<250	mg/Kg
p-Dimethylaminoazobenzene		<250	mg/Kg
Butylbenzylphthalate		<250	mg/Kg
Benzo(a)anthracene		<250	mg/Kg
3,3-Dichlorobenzidine		<250	mg/Kg
Chrysene		<250	mg/Kg
Bis (2-ethylhexyl) phthalate		<250	mg/Kg
Di-n-octylphthalate		<250	mg/Kg
Benzo(b)fluoranthene		<250	mg/Kg
7,12-Dimethylbenz(a)anthracene		<250	mg/Kg
Benzo(k)fluoranthene		<250	mg/Kg
Benzo(a)pyrene		<250	mg/Kg
3-Methylcholanthrene		<250	mg/Kg
Dibenzo(a,j)acridine		<250	mg/Kg
Indeno(1,2,3-cd)pyrene		<250	mg/Kg
Dibenzo(a,h)anthracene		<250	mg/Kg
Benzo(g,h,i)perylene		<250	mg/Kg
Corrosivity		non	mm/yr
pH		5.76	s.u.
Ignitability		non-ignitable	
Reactivity		Non-reactive	
Hydrogen Sulfide		<10	mg/Kg
Hydrogen Cyanide		<2.5	mg/Kg
TCLP Mercury		<0.010	mg/L
TCLP Arsenic		<1	mg/L
TCLP Barium		<1	mg/L
TCLP Cadmium		<0.2	mg/L
TCLP Chromium		<1	mg/L
TCLP Lead		<1	mg/L
TCLP Selenium		<1	mg/L
TCLP Silver		<0.5	mg/L
Pyridine		<0.05	mg/L
1,4-Dichlorobenzene		<0.05	mg/L
o-Cresol		<0.05	mg/L
m,p-Cresol		<0.05	mg/L
Hexachloroethane		<0.05	mg/L
Nitrobenzene		<0.05	mg/L
Hexachlorobutadiene		<0.05	mg/L
2,4,6-Trichlorophenol		<0.05	mg/L
2,4,5-Trichlorophenol		<0.05	mg/L
2,4-Dinitrotoluene		<0.05	mg/L
2,4-D		<0.05	mg/L
Hexachlorobenzene		<0.05	mg/L

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Sample 170580 continued ...

Param	Flag	Result	Units
2,4,5-TP		<0.05	mg/L
Pentachlorophenol		<0.05	mg/L
Vinyl Chloride		<0.05	mg/L
1,1-Dichloroethene		<0.05	mg/L
Methyl ethyl ketone		<0.50	mg/L
Chloroform		<0.05	mg/L
1,2-Dichloroethane (EDC)		<0.05	mg/L
Benzene		<0.05	mg/L
Carbon Tetrachloride		<0.05	mg/L
Trichloroethene (TCE)		<0.05	mg/L
Tetrachloroethene (PCE)		<0.05	mg/L
Chlorobenzene		<0.05	mg/L
1,4-Dichlorobenzene		<0.05	mg/L
Total Arsenic		<10	mg/Kg
Total Barium		74.3	mg/Kg
Total Cadmium		<5.0	mg/Kg
Total Chromium		5.34	mg/Kg
Total Lead		22.3	mg/Kg
Total Selenium		<10	mg/Kg
Total Silver		<2.5	mg/Kg