36795

U.S. ENVIRONMENTAL PROTECTION AGENCY
CLP Sample Management Office
P.O. Box 818 - Alexandria, Virginia 22313
Phone: 703/557-2490 - FTS/557-2490

SAS Number

SPECIAL ANALYTICAL SERVICES
Client Request

☐ Regional Transmittal ☒ Telephone Request

A. EPA Region/Client: Region II/Ebasco REM III

B. RSCC Representative: J. Gabry

C. Telephone Number: (201) 460-6468

D. Date of Request: 1/22/87

E. Site Name: Asbestos Dump, Millington

Please provide below description of your request for Special Analytical Services under the Contract Laboratory Program. In order to most efficiently obtain laboratory capability for your request, please address the following considerations, if applicable. Incomplete or erroneous information may result in a delay in the processing of your request. Please continue response on additional sheets, or attach supplementary information as needed.

1. General description of analytical service requested:
HSL analysis plus cyanide of 20 drum samples. Fast turnaround is required.

2. Definition and number of work units involved (specify whether whole samples or fractions; whether organics or inorganics; whether aqueous or soil and sediments; and whether low, medium or high concentration):
20 samples from drums for HSL organics and HSL inorganics plus cyanide. Fast turnaround or ASAP results are required. Samples may be aqueous and/or soil/sediments.

3. Purpose of analysis (specify whether Superfund (enforcement or remedial action), RCRA, NPDES, etc.):
Enforcement oversight.

ASB 001 0060

4. Estimated date(s) of collection: January 28-30, 1987

5. Estimated date(s) and method of shipment:

January 28-30, 1987 by common air carrier.

6. Number of days analysis and data required after laboratory receipt of samples:

Fast turnaround (15 days) or ASAP.

7. Analytical protocol required (attach copy if other than a protocol currently used in this program):

HSL organics: CLP IFB "SOW for Organic Analysis - Multimedia High/Med Concentration" June 3, 1985

HSL inorganics: CLP IFB "SOW for Inorganic Analysis - Multimedia high/Med Concentration" February, 1985

8. Special technical instructions (if outside protocol requirements, specify compound names, CAS numbers, detection limits, etc.):

Follow CLP IFB SOW protocols.

9. Analytical results required (if known, specify format for data sheets, QA/QC reports, Chain-of-Custody documentation, etc.) If not completed, format of results will be left to program discretion.

Current CLP IFB SOW Deliverables package

10. Other (use additional sheets or attach supplementary information, as needed):

11. Name of sampling/shipping contact: J Gabry

Phone: (20) 460-6468

12. Data Requirements

Parameter	Detection Limit	Precision Desired (±% or Concentration)
Current CLP IFB SOW Requirements		

13. QC Requirements

Audits Required	Frequency of Audits	Limits (Percent or Concentration)
Current CLP IFB SOW Requirements		

14. Action Required if Limits are Exceeded

Current CLP IFB SOW Requirement

Please return this request to the Sample Management Office as soon as possible to expedite processing of your request for special analytical services. Should you have any questions or need any assistance, please contact your Regional representative at the Sample Management Office.

TRANSLATION OF COMPOUND CODES

FRACTION	CODE	COMPOUND
VOA		NO COMPOUNDS DETECTED
VOA	REJ	ANALYSIS REJECTED
VOA	U	UNKNOWN
VOA	1	TRICHLOROFLUOROMETHANE
VOA	2	2-PROPANOL
VOA	3	1-PROPANOL
VOA	4	HEXANE
VOA	5	HEXANOL
VOA	6	(-)ALPHA-PINENE
VOA	7	2-BETA-PINENE
VOA	8	3,3-DICHLOROBENZIDENE
VOA	9	BENZO(B)FLUORANTHENE
VOA	10	INDENO(1,2,3-CD)PYRENE
VOA	11	DIBENZ(A,H)ANTHRACENE
VOA	12	BENZO(G,H)PERYLENE
VOA	13	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE
VOA	14	METHYLCYCLOPENTANE
BNA		NO COMPOUNDS DETECTED
BNA	REJ	ANALYSIS REJECTED
BNA	U	UNKNOWN
BNA	1	ACETIC ACID,1-METHYLETHYL ESTER
BNA	2	2-PENTANONE,4-HYDROXY-4-METHYL
BNA	3	TOLUENE
BNA	4	3-METHYL-ACETATE 1-BUTANOL
BNA	5	5-METHYL-2-HEXANONE
BNA	6	4-METHYL OCTANE
BNA	7	3-METHYL OCTANE
BNA	8	TETRACHLOROETHANE
BNA	9	ISOMER OF DIMETHYL NAPTHALENE
BNA	10	ISOMER OF METHYL PHENANTHRENE
BNA	11	ISOMER OF PHENYL NAPTHALENE
BNA	12	ISOMER OF DIMETHYL PHENANTHRENE
BNA	13	ISOMER OF METHYL PYRENE
BNA	14	ISOMER OF BENZO(B)FLUORENE
BNA	15	ISOMER OF TERPHENYL
BNA	16	ISOMER OF METHYL CHRYSENE
BNA	17	1,1,3-TETRADECADIENE
BNA	18	C6HIZO ISOMER
BNA	19	CYCLOHEXANE
BNA	20	1,2-BENZENEDICARBOXYLIC ACID,DIOSO OCTYL ESTER
BNA	21	OCTADECONOIC ACID,BUTYL ESTER

TRANSLATION OF CODES

CODE	EXPLANATION
MATRIX	
GW	Groundwater Sample
QC	Quality Control Sample
SE	Sediment Sample
SO	Soil Sample
SW	Surface Water Sample
FRACTION	
VOA	Volatile Organic Analysis
BNA	Base Neutral/Acid Extractables
QUALIFIER	
*	Semi-quantitative results from GC/MS library search
B	Analyte was found in the blank as well as the sample
J	Estimated value
N	Spike sample recovery was not within control limits
D	Concentration is greater than or equal to the instrument detection limit but less than the contract-required detection limit

01/13/87

ASBESTOS DUMP SITE
ANALYTICAL RESULTS - SOIL/SEDIMENT

TRIP REPORT NUMBER	SAMPLE NUMBER	MATRIX	FRACTION	COMPOUND	CONCENTRATION	UNITS	QUAL-IFIER
MBG649	902.9-11	SO		%SOLIDS	15.66	MG/KG	
MBG649	902.9-11	SO		AL	15400.00	MG/KG	
MBG649	902.9-11	SO		BA	103.00	MG/KG	
MBG649	902.9-11	SO		CA	190000.00	MG/KG	
MBG649	902.9-11	SO		FE	19300.00	MG/KG	
MBG649	902.9-11	SO		MG	59000.00	MG/KG	
MBG649	902.9-11	SO		MN	520.00	MG/KG	
MBG649	902.9-11	SO		NA	11800.00	MG/KG	
MBG649	902.9-11	SO		NI	308.00	MG/KG	R
MBG649	902.9-11	SO		SN	120.00	MG/KG	
BG274	902.9-11	SO	BNA	1	290.00	UG/KG	
BG274	902.9-11	SO	BNA	2	34000.00	UG/KG	
BG274	902.9-11	SO	BNA	U	520.00	UG/KG	
BG274	902.9-11	SO	VOA	REJ	0.00	UG/KG	
MBH064	906.14-16	SO		%SOLIDS	67.85	MG/KG	
MBH064	906.14-16	SO		AG	9.00	MG/KG	
MBH064	906.14-16	SO		AL	16400.00	MG/KG	
MBH064	906.14-16	SO		BA	96.00	MG/KG	D
MBH064	906.14-16	SO		CA	50800.00	MG/KG	
MBH064	906.14-16	SO		FE	21900.00	MG/KG	
MBH064	906.14-16	SO		HG	6.86	MG/KG	
MBH064	906.14-16	SO		MG	11400.00	MG/KG	
MBH064	906.14-16	SO		MN	30530.00	MG/KG	
MBH064	906.14-16	SO		NA	5430.00	MG/KG	
MBH064	906.14-16	SO		SN	25.00	MG/KG	D
MBH064	906.14-16	SO		ZN	78.00	MG/KG	R
BH218	906.14-16	SO	BNA	REJ	0.00	UG/KG	
BH218	906.14-16	SO	VOA	REJ	0.00	UG/KG	
MBG648	FB-1	QC		K	2117.00	UG/L	D
BG273	FB-1	QC	BNA	18	14.00	UG/L	
BG273	FB-1	QC	VOA	REJ	0.00	UG/L	
MBG650	FB-2	QC		K	2117.00	UG/L	D
MBG650	FB-2	QC		NA	8020.00	UG/L	
BH217	FB-2	QC	BNA	18	11.00	UG/L	
BH217	FB-2	QC	BNA	19	11.00	UG/L	
BH217	FB-2	QC	BNA	91-20-3	2.00	UG/L	J
BH217	FB-2	QC	BNA	U	8.00	UG/L	

Incl. 2

ASBESTOS DUMP SITE
ANALYTICAL RESULTS - SOIL/SEDIMENT

TRIP REPORT NUMBER	SAMPLE NUMBER	MATRIX	FRACTION	COMPOUND	CONCENTRATION	UNITS	QUALIFIER
BH217	FB-2	QC	BNA	U	13.00	UG/L	
BH217	FB-2	QC	VOA	REJ	0.00	UG/L	
BH220	FB-3	QC	BNA	191-24-2	34.00	UG/L	N
BH220	FB-3	QC	BNA	193-39-5	26.00	UG/L	N
BH220	FB-3	QC	BNA	205-99-2	22.00	UG/L	N
BH220	FB-3	QC	BNA	53-70-3	32.00	UG/L	N
BH220	FB-3	QC	BNA	91-94-1	56.00	UG/L	N
BH220	FB-3	QC	VOA	108-88-3	0.50	UG/L	J
BH220	FB-3	QC	VOA	14	10.00	UG/L	J
BH220	FB-3	QC	VOA	4	30.00	UG/L	J,B
BH220	FB-3	QC	VOA	78-87-5	7.00	UG/L	N
BH223	FB-4	QC	BNA	17	72.00	UG/L	J
BH223	FB-4	QC	BNA	U	180.00	UG/L	J
BH223	FB-4	QC	VOA	14	19.00	UG/L	J
BH223	FB-4	QC	VOA	U	4.00	UG/L	J
MBH067	FB-5	QC		FE	181.00	UG/L	
MBH069	FB-5	QC		MG	0.20	UG/L	
MBH067	FB-5	QC		NA	8130.00	UG/L	
MBH069	FB-5	QC		PB	3.00	UG/L	D
MBH069	FB-5	QC		ZN	33.00	UG/L	N
BH226	FB-5	QC	BNA	117-81-7	220.00	UG/L	B
BH226	FB-5	QC	BNA	20	31.00	UG/L	J
BH226	FB-5	QC	BNA	8	120.00	UG/L	J
BH226	FB-5	QC	VOA	4	7.00	UG/L	J
BH226	FB-5	QC	VOA	67-64-1	12.00	UG/L	
BH221	GSD.6-8	SO	BNA	12	4200.00	UG/KG	N
BH221	GSD.6-8	SO	BNA	3	2000.00	UG/KG	J,B
BH221	GSD.6-8	SO	BNA	4	3000.00	UG/KG	J,B
BH221	GSD.6-8	SO	BNA	4	100000.00	UG/KG	J,B
BH221	GSD.6-8	SO	BNA	4	3000.00	UG/KG	J,B
BH221	GSD.6-8	SO	BNA	5	5000.00	UG/KG	J,B
BH221	GSD.6-8	SO	BNA	6	4000.00	UG/KG	J,B
BH221	GSD.6-8	SO	BNA	7	3000.00	UG/KG	J,B
BH221	GSD.6-8	SO	BNA	7	1000.00	UG/KG	J
BH221	GSD.6-8	SO	BNA	U	1000.00	UG/KG	J
BH221	GSD.6-8	SO	BNA	U	5000.00	UG/KG	J,B
BH221	GSD.6-8	SO	BNA	U	1000.00	UG/KG	J

ASBESTOS DUMP SITE
ANALYTICAL RESULTS - SOIL/SEDIMENT

TRIP REPORT NUMBER	SAMPLE NUMBER	MATRIX	FRACTION	COMPOUND	CONCENTRATION	UNITS	QUALIFIER
BH221	GSD.6-8	SO	BNA	U	2000.00	UG/KG	J
BH221	GSD.6-8	SO	BNA	U	1000.00	UG/KG	J,B
BH221	GSD.6-8	SO	BNA	U	2000.00	UG/KG	J,B
BH221	GSD.6-8	SO	BNA	U	1000.00	UG/KG	J
BH221	GSD.6-8	SO	VOA	1	1000.00	UG/KG	J
BH221	GSD.6-8	SO	VOA	10	3200.00	UG/KG	N
BH221	GSD.6-8	SO	VOA	108-88-3	270.00	UG/KG	B
BH221	GSD.6-8	SO	VOA	108-90-7	36.00	UG/KG	
BH221	GSD.6-8	SO	VOA	11	3900.00	UG/KG	N
BH221	GSD.6-8	SO	VOA	2	50.00	UG/KG	J
BH221	GSD.6-8	SO	VOA	3	10.00	UG/KG	J
BH221	GSD.6-8	SO	VOA	4	30.00	UG/KG	J
BH221	GSD.6-8	SO	VOA	5	20.00	UG/KG	J
BH221	GSD.6-8	SO	VOA	6	40.00	UG/KG	J
BH221	GSD.6-8	SO	VOA	7	20.00	UG/KG	J
BH221	GSD.6-8	SO	VOA	71-43-2	2.00	UG/KG	J
BH221	GSD.6-8	SO	VOA	75-15-0	4.00	UG/KG	J
BH221	GSD.6-8	SO	VOA	78-87-5	17.00	UG/KG	N
BH221	GSD.6-8	SO	VOA	79-01-6	13.00	UG/KG	J
BH221	GSD.6-8	SO	VOA	8	6900.00	UG/KG	N
BH221	GSD.6-8	SO	VOA	9	2700.00	UG/KG	N
BH221	GSD.6-8	SO	VOA	U	10.00	UG/KG	J
BH233	PW-7	PW	BNA	21	19.00	UG/L	J
BH233	PW-7	PW	BNA	U	35.00	UG/L	J
BH233	PW-7	PW	VOA	75-09-2	3.10	UG/L	J
BH232	PWTB	QC	VOA	67-64-1	12.00	UG/L	
BH232	PWTB	QC	VOA	71-43-2	0.70	UG/L	J
BH232	PWTB	QC	VOA	75-09-2	2.40	UG/L	J
MBH072	SD-7	SE		%SOLIDS	66.00	MG/KG	
MBH072	SD-7	SE		AL	11000.00	MG/KG	
MBH072	SD-7	SE		AS	2.10	MG/KG	N,D
MBH072	SD-7	SE		BA	65.00	MG/KG	
MBH072	SD-7	SE		BE	1.50	MG/KG	
MBH072	SD-7	SE		CA	1890.00	MG/KG	
MBH072	SD-7	SE		CD	43.00	MG/KG	
MBH072	SD-7	SE		CO	13.00	MG/KG	D
MBH072	SD-7	SE		CR	18.00	MG/KG	

ASBESTOS DUMP SITE
ANALYTICAL RESULTS - SOIL/SEDIMENT

TRIP REPORT NUMBER	SAMPLE NUMBER	MATRIX	FRACTION	COMPOUND	CONCENTRATION	UNITS	QUALIFIER
MBH072	SD-7	SE		FE	23600.00	MG/KG	
MBH072	SD-7	SE		HG	0.15	MG/KG	
MBH072	SD-7	SE		K	379.00	MG/KG	D
MBH072	SD-7	SE		MG	2600.00	MG/KG	
MBH072	SD-7	SE		MN	235.00	MG/KG	
MBH072	SD-7	SE		NA	736.00	MG/KG	D
MBH072	SD-7	SE		NI	15.00	MG/KG	
MBH072	SD-7	SE		PB	75.00	MG/KG	
MBH072	SD-7	SE		V	62.00	MG/KG	
MBH072	SD-7	SE		ZN	194.00	MG/KG	
BH229	SD-7	SE	BNA	10	6900.00	UG/KG	J
BH229	SD-7	SE	BNA	10	9600.00	UG/KG	J
BH229	SD-7	SE	BNA	10	28000.00	UG/KG	J
BH229	SD-7	SE	BNA	10	29000.00	UG/KG	J
BH229	SD-7	SE	BNA	11	13000.00	UG/KG	J
BH229	SD-7	SE	BNA	12	22000.00	UG/KG	J
BH229	SD-7	SE	BNA	12	6900.00	UG/KG	J
BH229	SD-7	SE	BNA	129-00-0	2500.00	UG/KG	B
BH229	SD-7	SE	BNA	13	15000.00	UG/KG	J
BH229	SD-7	SE	BNA	13	22000.00	UG/KG	J
BH229	SD-7	SE	BNA	14	16000.00	UG/KG	J
BH229	SD-7	SE	BNA	15	19000.00	UG/KG	J
BH229	SD-7	SE	BNA	15	11000.00	UG/KG	J
BH229	SD-7	SE	BNA	16	7700.00	UG/KG	J
BH229	SD-7	SE	BNA	191-24-2	10800.00	UG/KG	
BH229	SD-7	SE	BNA	193-39-5	9300.00	UG/KG	
BH229	SD-7	SE	BNA	2	42000.00	UG/KG	J
BH229	SD-7	SE	BNA	205-99-2	43000.00	UG/KG	
BH229	SD-7	SE	BNA	206-44-0	120000.00	UG/KG	J,B
BH229	SD-7	SE	BNA	207-08-9	42000.00	UG/KG	
BH229	SD-7	SE	BNA	218-01-9	19000.00	UG/KG	
BH229	SD-7	SE	BNA	50-32-8	24000.00	UG/KG	
BH229	SD-7	SE	BNA	53-70-3	5700.00	UG/KG	
BH229	SD-7	SE	BNA	56-55-3	39000.00	UG/KG	
BH229	SD-7	SE	BNA	85-68-7-	980.00	UG/KG	
BH229	SD-7	SE	BNA	9	8400.00	UG/KG	J
BH229	SD-7	SE	BNA	U	4900.00	UG/KG	J

ASBESTOS DUMP SITE
ANALYTICAL RESULTS - SOIL/SEDIMENT

TRIP REPORT NUMBER	SAMPLE NUMBER	MATRIX	FRACTION	COMPOUND	CONCENTRATION	UNITS	QUALIFIER
BH229	SD-7	SE	BNA	U	6100.00	UG/KG	J
BH229	SD-7	SE	BNA	U	5030.00	UG/KG	J
BH229	SD-7	SE	BNA	U	6700.00	UG/KG	J
BH229	SD-7	SE	BNA	U	5800.00	UG/KG	J
BH229	SD-7	SE	VOA	U	7.00	UG/KG	J
MBH073	SD-8	SE		%SOLIDS	81.60	MG/KG	
MBH073	SD-8	SE		AL	11700.00	MG/KG	
MBH073	SD-8	SE		BA	82.00	MG/KG	
MBH073	SD-8	SE		BE	1.20	MG/KG	
MBH073	SD-8	SE		CA	1510.00	MG/KG	
MBH073	SD-8	SE		CO	6.40	MG/KG	D
MBH073	SD-8	SE		CR	20.00	MG/KG	
MBH073	SD-8	SE		CU	13.00	MG/KG	
MBH073	SD-8	SE		FE	14100.00	MG/KG	
MBH073	SD-8	SE		K	418.00	MG/KG	D
MBH073	SD-8	SE		MG	2370.00	MG/KG	
MBH073	SD-8	SE		MN	112.00	MG/KG	
MBH073	SD-8	SE		NA	426.00	MG/KG	D
MBH073	SD-8	SE		NI	13.00	MG/KG	
MBH073	SD-8	SE		PB	8.80	MG/KG	
MBH073	SD-8	SE		V	32.00	MG/KG	
MBH073	SD-8	SE		ZN	77.00	MG/KG	
BH230	SD-8	SE	BNA	120-12-7	100000.00	UG/KG	J
BH230	SD-8	SE	BNA	121-14-2	2300.00	UG/KG	
BH230	SD-8	SE	BNA	132-64-9	510.00	UG/KG	
BH230	SD-8	SE	BNA	2	57000.00	UG/KG	J
BH230	SD-8	SE	BNA	65-85-0	730.00	UG/KG	J
BH230	SD-8	SE	BNA	8	3800.00	UG/KG	J
BH230	SD-8	SE	BNA	83-32-9	1700.00	UG/KG	
BH230	SD-8	SE	BNA	84-74-2	4100.00	UG/KG	
BH230	SD-8	SE	BNA	85-01-8	97000.00	UG/KG	B
BH230	SD-8	SE	BNA	86-30-6	2090.00	UG/KG	
BH230	SD-8	SE	BNA	86-73-7	4020.00	UG/KG	
BH230	SD-8	SE	BNA	91-203	1090.00	UG/KG	
BH230	SD-8	SE	BNA	91-57-6	2700.00	UG/KG	
BH230	SD-8	SE	BNA	99-09-2	12000.00	UG/KG	
BH230	SD-8	SE	BNA	U	8700.00	UG/KG	J

ASBESTOS DUMP SITE
ANALYTICAL RESULTS - SOIL/SEDIMENT

TRIP REPORT NUMBER	SAMPLE NUMBER	MATRIX	FRACTION	COMPOUND	CONCENTRATION	UNITS	QUALIFIER
BH230	SD-8	SE	BNA	U	1800.00	UG/KG	J
BH230	SD-8	SE	BNA	U	1200.00	UG/KG	J
BH230	SD-8	SE	BNA	U	1200.00	UG/KG	J
BH230	SD-8	SE	BNA	U	3000.00	UG/KG	J
BH230	SD-8	SE	BNA	U	5600.00	UG/KG	J
BH230	SD-8	SE	VOA	78-93-3	27.00	UG/KG	
BH230	SD-8	SE	VOA	78-93-3	21.00	UG/KG	
BH230	SD-8	SE	VOA	U	7.40	UG/KG	J
MBH070	SW-10	SW		CA	15900.00	UG/L	
MBH070	SW-10	SW		FE	246.00	UG/L	
MBH070	SW-10	SW		MG	5430.00	UG/L	
MBH070	SW-10	SW		MN	63.00	UG/L	
MBH070	SW-10	SW		NA	14700.00	UG/L	
MBH070	SW-10	SW		ZN	47.00	UG/L	N
BH227	SW-10	SW	BNA	8	160.00	UG/L	J
BH227	SW-10	SW	VOA	67-64-1	7.50	UG/L	J
MBH071	SW-13	SW		CA	20700.00	UG/L	
MBH071	SW-13	SW		FE	353.00	UG/L	
MBH071	SW-13	SW		K	999.00	UG/L	D
MBH071	SW-13	SW		MG	6960.00	UG/L	
MBH071	SW-13	SW		MN	187.00	UG/L	
MBH071	SW-13	SW		NA	14800.00	UG/L	
MBH071	SW-13	SW		ZN	54.00	UG/L	N
BH228	SW-13	SW	BNA	8	95.00	UG/L	J
BH228	SW-13	SW	VOA	67-64-1	7.80	UG/L	J
BH228	SW-13	SW	VOA	U	6.00	UG/L	J
BH228	SW-13	SW	VOA	U	6.00	UG/L	J
MBH068	SWP6.4-6	SO		%SOLIDS	79.82	%	
MBH068	SWP6.4-6	SO		AL	22000.00	MG/KG	
MBH068	SWP6.4-6	SO		AS	15.00	MG/KG	
MBH068	SWP6.4-6	SO		BA	123.00	MG/KG	D
MBH068	SWP6.4-6	SO		BE	2.00	MG/KG	D
MBH068	SWP6.4-6	SO		CA	3240.00	MG/KG	
MBH068	SWP6.4-6	SO		CO	23.00	MG/KG	D
MBH068	SWP6.4-6	SO		CR	32.00	MG/KG	
MBH068	SWP6.4-6	SO		CU	32.00	MG/KG	
MBH068	SWP6.4-6	SO		FE	64800.00	MG/KG	

ASBESTOS DUMP SITE
ANALYTICAL RESULTS - SOIL/SEDIMENT

TRIP REPORT NUMBER	SAMPLE NUMBER	MATRIX	FRACTION	COMPOUND	CONCENTRATION	UNITS	QUALIFIER
MBH068	SWP6.4-6	SO		MG	0.24	MG/KG	
MBH068	SWP6.4-6	SO		K	2890.00	MG/KG	
MBH068	SWP6.4-6	SO		MG	9340.00	MG/KG	
MBH068	SWP6.4-6	SO		MN	604.00	MG/KG	R
MBH068	SWP6.4-6	SO		NI	39.00	MG/KG	
MBH068	SWP6.4-6	SO		PB	18.00	MG/KG	
MBH068	SWP6.4-6	SO		V	50.00	MG/KG	
MBH068	SWP6.4-6	SO		ZN	81.00	MG/KG	
BH224	SWP6.4-6	SO	BNA	84-74-2	2040.00	UG/KG	
BH224	SWP6.4-6	SO	VOA	78-93-3	13.00	UG/KG	B
BG272	TB-1	QC	VOA	REJ	0.00	UG/L	
BH216	TB-2	QC	VOA	REJ	0.00	UG/L	
BH219	TB-3	QC	VOA	108-88-3	0.70	UG/L	J
BH219	TB-3	QC	VOA	4	7.00	UG/L	J
BH219	TB-3	QC	VOA	78-87-5	7.00	UG/L	N
BH222	TB-4	QC	VOA	13	28.00	UG/L	J
BH225	TB-5	QC		0	0.00	UG/L	
BH231	TB-6	QC	VOA	67-64-1	14.00	UG/L	

ASBESTOS DUMP SITE
ANALYTICAL RESULTS - SOIL/SEDIMENT

TRIP REPORT NUMBER	SAMPLE NUMBER	MATRIX	FRACTION	COMPOUND	CONCENTRATION	UNITS	QUALIFIER
MBG649	902.9-11	SO		%SOLIDS	15.66	MG/KG	
MBG649	902.9-11	SO		AL	15400.00	MG/KG	
MBG649	902.9-11	SO		BA	103.00	MG/KG	
MBG649	902.9-11	SO		CA	190000.00	MG/KG	
MBG649	902.9-11	SO		FE	19300.00	MG/KG	
MBG649	902.9-11	SO		MG	59000.00	MG/KG	
MBG649	902.9-11	SO		MN	520.00	MG/KG	
MBG649	902.9-11	SO		NA	11800.00	MG/KG	
MBG649	902.9-11	SO		NI	308.00	MG/KG	R
MBG649	902.9-11	SO		SN	120.00	MG/KG	
BG274	902.9-11	SO	BNA	1	290.00	UG/KG	← Acetic Acid, 1-Methylethyl Ester
BG274	902.9-11	SO	BNA	2	34000.00	UG/KG	← 2-Pentanone, 4-hydroxy-4-Methyl
BG274	902.9-11	SO	BNA	U	520.00	UG/KG	
BG274	902.9-11	SO	VOA	REJ	0.00	UG/KG	
MBH064	906.14-16	SO		%SOLIDS	67.85	MG/KG	
MBH064	906.14-16	SO		AG	9.00	MG/KG	
MBH064	906.14-16	SO		AL	16400.00	MG/KG	
MBH064	906.14-16	SO		BA	96.00	MG/KG	D
MBH064	906.14-16	SO		CA	50800.00	MG/KG	
MBH064	906.14-16	SO		FE	21900.00	MG/KG	
MBH064	906.14-16	SO		HG	6.86	MG/KG	
MBH064	906.14-16	SO		MG	11400.00	MG/KG	
MBH064	906.14-16	SO		MN	30530.00	MG/KG	
MBH064	906.14-16	SO		NA	5430.00	MG/KG	
MBH064	906.14-16	SO		SN	25.00	MG/KG	D
MBH064	906.14-16	SO		ZN	78.00	MG/KG	R
BH218	906.14-16	SO	BNA	REJ	0.00	UG/KG	
BH218	906.14-16	SO	VOA	REJ	0.00	UG/KG	
MBG648	FB-1	QC		K	2117.00	UG/L	D
BG273	FB-1	QC	BNA	18	14.00	UG/L	← C6H12O Isomer
BG273	FB-1	QC	VOA	REJ	0.00	UG/L	
MBG650	FB-2	QC		K	2117.00	UG/L	D
MBG650	FB-2	QC		NA	8020.00	UG/L	
BH217	FB-2	QC	BNA	18	11.00	UG/L	← C6H12O Isomer
BH217	FB-2	QC	BNA	19	11.00	UG/L	← Cyclohexane
BH217	FB-2	QC	BNA	91-20-3	2.00	UG/L	← Naphthalene
BH217	FB-2	QC	BNA	U	8.00	UG/L	

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ASBESTOS DUMP SITE
ANALYTICAL RESULTS - SOIL/SEDIMENT

TRIP REPORT NUMBER	SAMPLE NUMBER	MATRIX	FRACTION	COMPOUND	CONCENTRATION	UNITS	QUALIFIER
BH221	GSD.6-8	SO	BNA	U	2000.00	UG/KG	J
BH221	GSD.6-8	SO	BNA	U	1000.00	UG/KG	J,B
BH221	GSD.6-8	SO	BNA	U	2000.00	UG/KG	J,B
BH221	GSD.6-8	SO	BNA	U	1000.00	UG/KG	J
BH221	GSD.6-8	SO	VOA	1	1000.00	UG/KG	J← Trichloro Fluoro methane
BH221	GSD.6-8	SO	VOA	10	3200.00	UG/KG	N← INDENO (1,2,3,-CD) Pyrene
BH221	GSD.6-8	SO	VOA	108-88-3	270.00	UG/KG	B← Toluene
BH221	GSD.6-8	SO	VOA	108-90-7	36.00	UG/KG	← chlorobenzene
BH221	GSD.6-8	SO	VOA	11	3900.00	UG/KG	N← Dibenz (A,H) Anthracene
BH221	GSD.6-8	SO	VOA	2	50.00	UG/KG	J← 2-propanol
BH221	GSD.6-8	SO	VOA	3	10.00	UG/KG	J← 1-propanol
BH221	GSD.6-8	SO	VOA	4	30.00	UG/KG	J← hexane
BH221	GSD.6-8	SO	VOA	5	20.00	UG/KG	J← hexanol
BH221	GSD.6-8	SO	VOA	6	40.00	UG/KG	J← (-) alpha-pinene
BH221	GSD.6-8	SO	VOA	7	20.00	UG/KG	J← 2-Beta-pinene
BH221	GSD.6-8	SO	VOA	71-43-2	2.00	UG/KG	J← Benzene
BH221	GSD.6-8	SO	VOA	75-15-0	4.00	UG/KG	J← Carbon disulfid
BH221	GSD.6-8	SO	VOA	78-87-5	17.00	UG/KG	N← 1,2-Dichloropropane
BH221	GSD.6-8	SO	VOA	79-01-6	13.00	UG/KG	J← trichloroethene
BH221	GSD.6-8	SO	VOA	8	6900.00	UG/KG	N← 3,3-Dichlorobenzidene
BH221	GSD.6-8	SO	VOA	9	2700.00	UG/KG	N← Benzo (B) Fluoranthene
BH221	GSD.6-8	SO	VOA	U	10.00	UG/KG	J
BH233	PW-7	PW	BNA	21	19.00	UG/L	J← Octadeconic acid, butyl este
BH233	PW-7	PW	BNA	U	35.00	UG/L	J
BH233	PW-7	PW	VOA	75-09-2	3.10	UG/L	J← methylene chloride
BH232	PWTB	QC	VOA	67-64-1	12.00	UG/L	← Acetone
BH232	PWTB	QC	VOA	71-43-2	0.70	UG/L	J← Benzene
BH232	PWTB	QC	VOA	75-09-2	2.40	UG/L	J← Methylene chloride
MBH072	SD-7	SE		%SOLIDS	66.00	MG/KG	
MBH072	SD-7	SE		AL	11000.00	MG/KG	
MBH072	SD-7	SE		AS	2.10	MG/KG	N,D
MBH072	SD-7	SE		BA	65.00	MG/KG	
MBH072	SD-7	SE		BE	1.50	MG/KG	
MBH072	SD-7	SE		CA	1890.00	MG/KG	
MBH072	SD-7	SE		CO	43.00	MG/KG	
MBH072	SD-7	SE		CO	13.00	MG/KG	D
MBH072	SD-7	SE		CR	18.00	MG/KG	

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ANALYTICAL RESULTS - SOIL/SEDIMENT

TRIP REPORT NUMBER	SAMPLE NUMBER	MATRIX	FRACTION	COMPOUND	CONCENTRATION	UNITS	QUALIFIER	
MBH072	SD-7	SE		FE	23600.00	MG/KG		
MBH072	SD-7	SE		MG	0.15	MG/KG		
MBH072	SD-7	SE		K	379.00	MG/KG	D	
MBH072	SD-7	SE		MG	2600.00	MG/KG		
MBH072	SD-7	SE		MN	235.00	MG/KG		
MBH072	SD-7	SE		NA	736.00	MG/KG	D	
MBH072	SD-7	SE		NI	15.00	MG/KG		
MBH072	SD-7	SE		PB	75.00	MG/KG		
MBH072	SD-7	SE		V	62.00	MG/KG		
MBH072	SD-7	SE		ZN	194.00	MG/KG		
BH229	SD-7	SE	BNA	10	6900.00	UG/KG	J	← Isomer of Methyl Phenanthre
BH229	SD-7	SE	BNA	10	9600.00	UG/KG	J	← " " " "
BH229	SD-7	SE	BNA	10	28000.00	UG/KG	J	← " " " "
BH229	SD-7	SE	BNA	10	29000.00	UG/KG	J	← " " " "
BH229	SD-7	SE	BNA	11	13000.00	UG/KG	J	← Isomer of Phenyl Napthale
BH229	SD-7	SE	BNA	12	22000.00	UG/KG	J	← Isomer of Dimethyl phenanthr
BH229	SD-7	SE	BNA	12	6900.00	UG/KG	J	← " " " "
BH229	SD-7	SE	BNA	129-00-0	2500.00	UG/KG	B	← Pyrene
BH229	SD-7	SE	BNA	13	15000.00	UG/KG	J	← Isomer of Methyl Pyrene
BH229	SD-7	SE	BNA	13	22000.00	UG/KG	J	← " " " "
BH229	SD-7	SE	BNA	14	16000.00	UG/KG	J	← Isomer of Benzo(B) Fluore.
BH229	SD-7	SE	BNA	15	19000.00	UG/KG	J	← Isomer of Terphenyl
BH229	SD-7	SE	BNA	15	11000.00	UG/KG	J	← " " "
BH229	SD-7	SE	BNA	16	7700.00	UG/KG	J	← Isomer of Methyl chryse
BH229	SD-7	SE	BNA	191-24-2	10800.00	UG/KG		← Benzo(g,h,i) perylene
BH229	SD-7	SE	BNA	193-39-5	9300.00	UG/KG		← Indeno(1,2,3-cd) pyrene
BH229	SD-7	SE	BNA	2	42000.00	UG/KG	J	← 2-pentanone, 4-hydroxy-4-M
BH229	SD-7	SE	BNA	205-99-2	43000.00	UG/KG		← Benzo(b) Fluoranthene
BH229	SD-7	SE	BNA	206-44-0	120000.00	UG/KG	J,B	← Fluoranthene
BH229	SD-7	SE	BNA	207-08-9	42000.00	UG/KG		← Benzo(k) Fluoranthene
BH229	SD-7	SE	BNA	218-01-9	19000.00	UG/KG		← Chrysene
BH229	SD-7	SE	BNA	50-32-8	24000.00	UG/KG		← Benzo(a) Pyrene
BH229	SD-7	SE	BNA	53-70-3	5700.00	UG/KG		← Dibenz(a,h)anthracene
BH229	SD-7	SE	BNA	56-55-3	39000.00	UG/KG		← Benzo(a) Anthracene
BH229	SD-7	SE	BNA	85-68-7-	980.00	UG/KG		← Butylbenzyl phthalate
BH229	SD-7	SE	BNA	9	8400.00	UG/KG	J	← Isomer of Dimethyl Naphthal
BH229	SD-7	SE	BNA	U	4900.00	UG/KG	J	

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ASBESTOS DUMP SITE
ANALYTICAL RESULTS - SOIL/SEDIMENT

TRIP REPORT NUMBER	SAMPLE NUMBER	MATRIX	FRACTION	COMPOUND	CONCENTRATION	UNITS	QUALIFIER	
BH229	SD-7	SE	BNA	U	6100.00	UG/KG	J	
BH229	SD-7	SE	BNA	U	5030.00	UG/KG	J	
BH229	SD-7	SE	BNA	U	6700.00	UG/KG	J	
BH229	SD-7	SE	BNA	U	5800.00	UG/KG	J	
BH229	SD-7	SE	VOA	U	7.00	UG/KG	J	
MBH073	SD-8	SE		%SOLIDS	81.60	MG/KG		
MBH073	SD-8	SE		AL	11700.00	MG/KG		
MBH073	SD-8	SE		BA	82.00	MG/KG		
MBH073	SD-8	SE		BE	1.20	MG/KG		
MBH073	SD-8	SE		CA	1510.00	MG/KG		
MBH073	SD-8	SE		CD	6.40	MG/KG	D	
MBH073	SD-8	SE		CR	20.00	MG/KG		
MBH073	SD-8	SE		CU	13.00	MG/KG		
MBH073	SD-8	SE		FE	14100.00	MG/KG		
MBH073	SD-8	SE		K	418.00	MG/KG	D	
MBH073	SD-8	SE		MG	2370.00	MG/KG		
MBH073	SD-8	SE		MN	112.00	MG/KG		
MBH073	SD-8	SE		NA	426.00	MG/KG	D	
MBH073	SD-8	SE		NI	13.00	MG/KG		
MBH073	SD-8	SE		PB	8.80	MG/KG		
MBH073	SD-8	SE		V	32.00	MG/KG		
MBH073	SD-8	SE		ZN	77.00	MG/KG		
BH230	SD-8	SE	BNA	120-12-7	100000.00	UG/KG	J	← anthracene
BH230	SD-8	SE	BNA	121-14-2	2300.00	UG/KG		← 2,4,-Dinitrotoluene
BH230	SD-8	SE	BNA	132-64-9	510.00	UG/KG		← dibenzofuran
BH230	SD-8	SE	BNA	2	57000.00	UG/KG	J	← 2-pentanone, 4-hydroxy 4-Me
BH230	SD-8	SE	BNA	65-85-0	730.00	UG/KG	J	← Benzoic Acid
BH230	SD-8	SE	BNA	8	3800.00	UG/KG	J	← tetrachloroethane
BH230	SD-8	SE	BNA	83-32-9	1700.00	UG/KG		← acenaphthene
BH230	SD-8	SE	BNA	84-74-2	4100.00	UG/KG		← D:-n-butylphthalate
BH230	SD-8	SE	BNA	85-01-8	97000.00	UG/KG	B	← phenanthrene
BH230	SD-8	SE	BNA	86-30-6	2090.00	UG/KG		← n-nitrosodiphenylamine(1)
BH230	SD-8	SE	BNA	86-73-7	4020.00	UG/KG		← Fluorene
BH230	SD-8	SE	BNA	91-20[illegible]-3	1090.00	UG/KG		← Naphthalene
BH230	SD-8	SE	BNA	91-57-6	2700.00	UG/KG		← 2-methylnaphthalene
BH230	SD-8	SE	BNA	99-09-2	12000.00	UG/KG		← 3-nitroaniline
BH230	SD-8	SE	BNA	U	8700.00	UG/KG	J	←

ASBESTOS DUMP SITE
ANALYTICAL RESULTS - SOIL/SEDIMENT

TRIP REPORT NUMBER	SAMPLE NUMBER	MATRIX	FRACTION	COMPOUND	CONCENTRATION	UNITS	QUALIFIER	
BH230	SD-8	SE	BNA	U	1800.00	UG/KG	J	
BH230	SD-8	SE	BNA	U	1200.00	UG/KG	J	
BH230	SD-8	SE	BNA	U	1200.00	UG/KG	J	
BH230	SD-8	SE	BNA	U	3000.00	UG/KG	J	
BH230	SD-8	SE	BNA	U	5600.00	UG/KG	J	
BH230	SD-8	SE	VOA	78-93-3	27.00	UG/KG		← 2-Butanone
BH230	SD-8	SE	VOA	78-93-3	21.00	UG/KG		← " "
BH230	SD-8	SE	VOA	U	7.40	UG/KG	J	
MBH070	SW-10	SW		CA	15900.00	UG/L		
MBH070	SW-10	SW		FE	246.00	UG/L		
MBH070	SW-10	SW		MG	5430.00	UG/L		
MBH070	SW-10	SW		MN	63.00	UG/L		
MBH070	SW-10	SW		NA	14700.00	UG/L		
MBH070	SW-10	SW		ZN	47.00	UG/L	N	
BH227	SW-10	SW	BNA	B	160.00	UG/L	J	Tetrachloroethane
BH227	SW-10	SW	VOA	67-64-1	7.50	UG/L	J	Acetone
MBH071	SW-13	SW		CA	20700.00	UG/L		
MBH071	SW-13	SW		FE	353.00	UG/L		
MBH071	SW-13	SW		K	999.00	UG/L	D	
MBH071	SW-13	SW		MG	6960.00	UG/L		
MBH071	SW-13	SW		MN	187.00	UG/L		
MBH071	SW-13	SW		NA	14800.00	UG/L		
MBH071	SW-13	SW		ZN	54.00	UG/L	N	
BH228	SW-13	SW	BNA	B	95.00	UG/L	J	Tetrachloroethane
BH228	SW-13	SW	VOA	67-64-1	7.80	UG/L	J	acetone
BH228	SW-13	SW	VOA	U	6.00	UG/L	J	
BH228	SW-13	SW	VOA	U	6.00	UG/L	J	
MBH068	SWP6.4-6	SO		%SOLIDS	79.82	%		
MBH068	SWP6.4-6	SO		AL	22000.00	MG/KG		
MBH068	SWP6.4-6	SO		AS	15.00	MG/KG		
MBH068	SWP6.4-6	SO		BA	123.00	MG/KG	D	
MBH068	SWP6.4-6	SO		BE	2.00	MG/KG	D	
MBH068	SWP6.4-6	SO		CA	3240.00	MG/KG		
MBH068	SWP6.4-6	SO		CO	23.00	MG/KG	D	
MBH068	SWP6.4-6	SO		CR	32.00	MG/KG		
MBH068	SWP6.4-6	SO		CU	32.00	MG/KG		
MBH068	SWP6.4-6	SO		FE	64800.00	MG/KG		

ASBESTOS DUMP SITE
ANALYTICAL RESULTS - SOIL/SEDIMENT

TRIP REPORT NUMBER	SAMPLE NUMBER	MATRIX	FRACTION	COMPOUND	CONCENTRATION	UNITS	QUALIFIER	
MBH068	SWP6.4-6	SO		MG	0.24	MG/KG		
MBH068	SWP6.4-6	SO		K	2890.00	MG/KG		
MBH068	SWP6.4-6	SO		MG	9340.00	MG/KG		
MBH068	SWP6.4-6	SO		MN	604.00	MG/KG	R	
MBH068	SWP6.4-6	SO		NI	39.00	MG/KG		
MBH068	SWP6.4-6	SO		PB	18.00	MG/KG		
MBH068	SWP6.4-6	SO		V	50.00	MG/KG		
MBH068	SWP6.4-6	SO		ZN	81.00	MG/KG		
BH224	SWP6.4-6	SO	BNA	84-74-2	2040.00	UG/KG		← Di-n-butylphthalate
BH224	SWP6.4-6	SO	VOA	78-93-3	13.00	UG/KG	B	← 2-butanone
BG272	TB-1	QC	VOA	REJ	0.00	UG/L		
BH216	TB-2	QC	VOA	REJ	0.00	UG/L		
BH219	TB-3	QC	VOA	108-88-3	0.70	UG/L	J	← toluene
BH219	TB-3	QC	VOA	4	7.00	UG/L	J	← hexane
BH219	TB-3	QC	VOA	78-87-5	7.00	UG/L	N	← 1,2-Dichloropropane
BH222	TB-4	QC	VOA	13	28.00	UG/L	J	← 1,1,2-trichloro-1,2,2-trifluoroetha
BH225	TB-5	QC		0	0.00	UG/L		
BH231	TB-6	QC	VOA	67-64-1	14.00	UG/L		← acetone