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March 17, 1993

Mr. Harry Gregory
Roux Associates
775 Park Avenue
Suite 255
Huntington, NY 11743

Dear Mr. Gregory:

Please find enclosed the analytical results of one soil, one oil and 18 liquid samples received at our laboratory on February 9 and 10, 1993. This report contains sections addressing the following information at a minimum:

- sample summary
- analytical methodology
- state certifications
- definitions of data qualifiers and terminology
- analytical results
- chain-of-custody

055264

IEA Report #30930-0148	Project ID: Amtrak-Sunnyside

Copies of this analytical report and supporting data are maintained in our files for a minimum of five years unless special arrangements have been made. Unless specifically indicated, all analytical testing was performed at this laboratory location and no portion of the testing was subcontracted.

We appreciate your selection of our services and welcome any questions or suggestions you may have relative to this report. Please contact your customer service representative at (203) 261-4458 for any additional information. Thank you for utilizing our services; we hope you will consider us for your future analytical needs.

I have reviewed and approved the enclosed data for final release.

Very truly yours,

Jeffrey C. Curran
Laboratory Manager

JCC/adj

cc: J. Harry

30930-0148
ROUX ASSOCIATES
SAMPLE SUMMARY

Client ID	Lab ID	Matrix	Date Collected	Date Received
MHW-5 ND	0148001	Liquid	02/08/93	02/09/93
MHW-3	0148002	Liquid	02/08/93	02/09/93
MHW-7 J	0148003	Liquid	02/08/93	02/09/93
MHW-6	0148004	Liquid	02/08/93	02/09/93
MHS-3 J	0148005	Soil	02/08/93	02/09/93
FB 02/08/93	0148006	Liquid	02/08/93	02/09/93
MW-36 J	0148007	Oil	02/08/93	02/09/93
MW-27 ND	0148008	Liquid	02/08/93	02/09/93
MW-45	0148009	Liquid	02/09/93	02/10/93
MHW-1	0148010	Liquid	02/09/93	02/10/93
MW-43	0148011	Liquid	02/09/93	02/10/93
MW-44	0148012	Liquid	02/09/93	02/10/93
MW-46	0148013	Liquid	02/09/93	02/10/93
MW-35	0148014	Liquid	02/09/93	02/10/93
MW-42	0148015	Liquid	02/09/93	02/10/93
MHW-2	0148016	Liquid	02/09/93	02/10/93
REPLICATE MW-45	0148017	Liquid	02/09/93	02/10/93
MW-1	0148018	Liquid	02/09/93	02/10/93
MW-23	0148019	Liquid	02/09/93	02/10/93
MW-47	0148020	Liquid	02/09/93	02/10/93

30930-0148
ROUX ASSOCIATES
PROJECT SUMMARY

The client requested the samples be analyzed for the parameters listed in Table 1.0.

METHODOLOGY

Volatile organics were determined using purge and trap GC/MS. The instrumentation used was a Tekmar Dynamic Headspace Concentrator interfaced with a Hewlett-Packard Model 5995 GC/MS/DS.

Semi-volatile organics were determined using capillary GC/MS. The instrumentation used was a Hewlett-Packard Model 5890 gas chromatograph interfaced with Model 5970/5971 Mass Selective Detector.

Polychlorinated biphenyls (PCB's) were determined using GC/ECD. The instrumentation used was a HP Model 5890 gas chromatograph equipped with an electron capture detector (Ni^{63}).

Metals were determined by ICP using either a JA61 simultaneous ICAP or a PE6500-XR sequential ICP. Graphite furnace elements were determined using either a PEZ5100 or a PEZ3030 GFAAS. Mercury was determined by the cold vapor technique utilizing the Spectro Products Model HG-4 mercury analyzer.

The analyses were conducted according to NYSDEC '89 ASP Protocols.

DISCUSSION

Volatile Organics - No problems were encountered.

Semi-Volatile Organics - No problems were encountered.

PCB's - Sample MW-27 required sulfur cleanup; samples MHW-1, MW-35, MHW-2 and method blank PBLK06 required acid and sulfur cleanup.

Sample MHW-7 was diluted 1:5.

DBC recovery was out of advisory QC limits for samples MHW-7, MW-47, MW-45 STD and method blank PBLK00.

Aroclor-1248 was out of RT windows on the confirmation run (column RTX-35) in sample MHW-7, but in the analyst's opinion, it is present.

Aroclor-1260 was out of RT windows on the confirmation run (column RTX-35) in sample MW-1, but in the analyst's opinion, it is present.

DDT linearity on confirmation runs 0308GC1B and D309GC1B was greater than 10 percent, however no calculations were done from this run.

The following standard did not meet NYSDEC '89 criteria:

Date	Time	GC #	Standard	Comments
03/09/93	06:04	GC1B	Ind B	Endrin ketone out of required criteria, C_f >20% difference

The client's samples, before this affected standard, were run for PCB's only. Since the samples had been run primary twice, some samples required previous reruns due to cleanups or continuing standards out of criteria. Only enough extract remained to run the samples once on the confirmation run. The ending PCB's following the ending pesticide mixes were within continuing standard criteria.

Due to high levels of Aroclors, samples MW-36 and MHS-3 required a dilution.

The surrogates were diluted out for all samples with a dilution factor of 100 or higher.

Due to the sample matrix, TCX percent recovery could not be determined in samples MW-36, MW-36 MS and MW-36 MSD.

DCB was below advisory QC limits in method blank PBLK05 on column 2 and in sample MW-36 MS on column 1.

Due to matrix interference, TCX was above advisory QC limits in sample MW-36 DL on both columns.

DCB was above advisory QC limits in sample MW-36 DL on column 1 and in samples MW-36 MS and MW-36 MSD on column 2.

Due to the matrix interference in samples MW-36, MW-36 MS and MW-36 MSD, two different sets of peaks were chosen for column RTX-35 for the calculation of Aroclor-1260. Two separate Form 6F's have been submitted. The second peak was out of RT windows on column RTX-35 for Aroclor-1260 in samples MW-36 and MW-36 MSD.

Metals - IEC's are electronically employed by the TJA ICAP-61. However, the ICSA is utilized as a monitoring device to detect any additional adjustments that may be required. These modifications are calculated and applied manually. They are so noted in the raw data.

No problems were encountered.

RESULTS

The results are presented in the following Tables. Also enclosed are the data packages containing all relevant data.

TABLE 1.0
30930-0148
ROUX ASSOCIATES
ANALYTICAL REQUESTS

Sample Identification	Requested Parameters
MHW-5, MHW-3, MHW-7, MHW-6, MHS-3, FB 020893, MW-36, MW-27	PCB's
MW-45, MHW-1, MW-43, MW-44, MW-46, MW-35, MHW-2, REPLICATE, MW-47	TCL volatile organics plus a library search for non-target compounds, TCL semi-volatile organics plus a library search for non-target compounds, PCB's, TAL metals
MW-42	TCL volatile organics plus a library search for non-target compounds, TCL semi-volatile organics plus a library search for non-target compounds
MW-1	PCB's, TAL metals
MW-23	TCL volatile organics plus a library search for non-target compounds, semi-volatile organics plus a library search for non-target compounds, PCB's

TABLE 2.0
30930-0148
ROUX ASSOCIATES
EPA TCL VOLATILE ORGANICS

Aqueous

All values are ug/L.

	Sample Identification							
Dilution Factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0	
Method Blank I.D.	VBLKGI	VBLKGI	VBLKGI	VBLKGI	VBLKGI	VBLKGI	VBLKGI	
Compound	Method Blank	MW-45	MHW-1	MW-43	MW-44	MW-46	MW-35	Quantitation Limits with no Dilution
Chloromethane	U	U	U	U	U	U	U	10
Bromomethane	U	U	U	U	U	U	U	10
Vinyl Chloride	U	U	U	U	U	U	U	10
Chloroethane	U	U	U	U	U	U	U	10
Methylene Chloride	1J	U	U	U	U	U	U	10
Acetone	17	10B	6JB	10B	10B	4JB	7JB	10
Carbon Disulfide	U	U	U	U	U	U	U	10
1,1-Dichloroethene	U	U	U	U	U	U	U	10
1,1-Dichloroethane	U	U	U	U	U	U	U	10
1,2-Dichloroethene (total)	U	U	U	2J	46	U	U	10
Chloroform	U	U	1J	U	U	U	U	10
1,2-Dichloroethane	U	U	U	U	U	U	U	10
2-Butanone	10	U	U	U	U	U	U	10
1,1,1-Trichloroethane	U	2J	6J	U	U	U	U	10
Carbon Tetrachloride	U	U	U	U	U	U	U	10
Bromodichloromethane	U	U	U	U	U	U	U	10
1,2-Dichloropropane	U	U	U	U	U	U	U	10
cis-1,3-Dichloropropene	U	U	U	U	U	U	U	10
Trichloroethene	U	U	U	11	75	U	U	10
Dibromochloromethane	U	U	U	U	U	U	U	10
1,1,2-Trichloroethane	U	U	U	U	U	U	U	10
Benzene	U	U	6J	U	U	U	U	10
trans-1,3-Dichloropropene	U	U	U	U	U	U	U	10
Bromoform	U	U	U	U	U	U	U	10
4-Methyl-2-pentanone	4J	U	6JB	U	4JB	U	U	10
2-Hexanone	6J	U	U	U	3JB	U	U	10
Tetrachloroethene	U	U	U	U	U	U	U	10
1,1,2,2-Tetrachloroethane	U	U	U	U	2J	U	U	10
Toluene	U	U	8J	U	U	U	U	10
Chlorobenzene	U	U	U	U	U	U	U	10
Ethylbenzene	U	U	3J	U	U	U	U	10
Styrene	U	U	U	U	U	U	U	10
Xylene (total)	U	U	51	U	U	U	U	10

U, J, B - See Appendix for definition.
Note: Sample detection limit = quantitation limit x dilution factor.

TABLE 2.1
30930-0148
ROUX ASSOCIATES
EPA TCL VOLATILE ORGANICS

Aqueous

All values are ug/L.

	Sample Identification						
Dilution Factor	1.0	1.0	1.0	1.0	1.0	1.0	
Method Blank I.D.	VBLKGI	VBLKGI	VBLKGI	VBLKGI	VBLKGI	VBLKGI	
Compound	Method Blank	MW-42	MHW-2	REPLICATE	MW-23	MW-47	Quantitation Limits with no Dilution
Chloromethane	U	U	U	U	U	U	10
Bromomethane	U	U	U	U	U	U	10
Vinyl Chloride	U	U	U	U	U	U	10
Chloroethane	U	U	U	U	U	U	10
Methylene Chloride	1J	U	U	U	U	U	10
Acetone	17	U	9JB	U	3JB	4JB	10
Carbon Disulfide	U	U	U	U	U	U	10
1,1-Dichloroethene	U	U	U	U	U	U	10
1,1-Dichloroethane	U	U	U	U	2J	U	10
1,2-Dichloroethene (total)	U	U	U	U	U	U	10
Chloroform	U	U	5J	U	U	U	10
1,2-Dichloroethane	U	U	U	U	U	U	10
2-Butanone	10	U	U	U	U	U	10
1,1,1-Trichloroethane	U	U	U	1J	U	U	10
Carbon Tetrachloride	U	U	U	U	U	U	10
Bromodichloromethane	U	U	U	U	U	U	10
1,2-Dichloropropane	U	U	U	U	U	U	10
cis-1,3-Dichloropropene	U	U	U	U	U	U	10
Trichloroethene	U	U	U	U	U	U	10
Dibromochloromethane	U	U	U	U	U	U	10
1,1,2-Trichloroethane	U	U	U	U	U	U	10
Benzene	U	U	U	U	U	U	10
trans-1,3-Dichloropropene	U	U	U	U	U	U	10
Bromoform	U	U	U	U	U	U	10
4-Methyl-2-pentanone	4J	U	U	U	U	U	10
2-Hexanone	6J	U	U	U	U	U	10
Tetrachloroethene	U	U	U	U	U	U	10
1,1,2,2-Tetrachloroethane	U	U	U	U	U	U	10
Toluene	U	U	U	U	U	U	10
Chlorobenzene	U	U	U	U	U	U	10
Ethylbenzene	U	U	U	U	U	U	10
Styrene	U	U	U	U	U	U	10
Xylene (total)	U	U	U	U	1J	U	10

U, J, B - See Appendix for definition.
Note: Sample detection limit = quantitation limit x dilution factor.

Aqueous

TABLE 2.2
30930-0148
ROUX ASSOCIATES
EPA TCL VOLATILE ORGANICS

All values are ug/L.

	Sample Identification			
Dilution Factor	1.0	1.0	1.0	
Method Blank I.D.	VBLKGK	VBLKGK	VBLKGK	
Compound	Method Blank	MW-45 MS	MW-45 MSD	Quantitation Limits with no Dilution
Chloromethane	U	U	U	10
Bromomethane	U	U	U	10
Vinyl Chloride	U	U	U	10
Chloroethane	U	U	U	10
Methylene Chloride	2J	U	U	10
Acetone	7J	U	U	10
Carbon Disulfide	U	U	U	10
1,1-Dichloroethene	U	47	48	10
1,1-Dichloroethane	U	U	U	10
1,2-Dichloroethene (total)	U	U	U	10
Chloroform	U	U	U	10
1,2-Dichloroethane	U	U	U	10
2-Butanone	U	U	U	10
1,1,1-Trichloroethane	U	1J	U	10
Carbon Tetrachloride	U	U	U	10
Bromodichloromethane	U	U	U	10
1,2-Dichloropropane	U	U	U	10
cis-1,3-Dichloropropene	U	U	U	10
Trichloroethene	U	56	56	10
Dibromochloromethane	U	U	U	10
1,1,2-Trichloroethane	U	U	U	10
Benzene	U	48	48	10
trans-1,3-Dichloropropene	U	U	U	10
Bromoform	U	U	U	10
4-Methyl-2-pentanone	U	U	U	10
2-Hexanone	U	U	U	10
Tetrachloroethene	U	U	U	10
1,1,2,2-Tetrachloroethane	U	U	U	10
Toluene	U	53	50	10
Chlorobenzene	U	50	48	10
Ethylbenzene	U	U	U	10
Styrene	U	U	U	10
Xylene (total)	U	U	U	10

U, J - See Appendix for definition.
Note: Sample detection limit = quantitation limit x dilution factor.

TABLE 3.0
30930-0148
ROUX ASSOCIATES
VOLATILE TENTATIVELY IDENTIFIED COMPOUNDS

Sample Identification: Method Blank VBLKGI

CAS#	Compound	RT	Estimated Concentration, ug/L
	None detected		

Sample Identification: MW-45

CAS#	Compound	RT	Estimated Concentration, ug/L
	Unknown siloxane	18.59	11J

Sample Identification: MHW-1

CAS#	Compound	RT	Estimated Concentration, ug/L
1634-04-4	Tert-butylmethyl ether	8.43	180JN
	Unknown C_3 alkylbenzene	23.45	33J
	Unknown C_3 alkylbenzene	24.16	30J
	Unknown indene	25.19	21J
	Unknown C_3 alkylbenzene	24.86	18J
	Unknown C_3 alkylbenzene	23.92	18J
	Unknown C_3 alkylbenzene	23.56	16J
	Unknown C_4 alkylbenzene	25.82	11J
	Unknown C_4 alkylbenzene	25.27	9J
	Unknown	8.02	8J

Sample Identification: MW-43

CAS#	Compound	RT	Estimated Concentration, ug/L
556672	Cyclotetrasiloxane, octamethyl	23.15	23JN
	Unknown siloxane	25.91	16J

J, N - See Appendix for definition.

TABLE 3.1
30930-0148
ROUX ASSOCIATES
VOLATILE TENTATIVELY IDENTIFIED COMPOUNDS

Sample Identification: MW-44

CAS#	Compound	RT	Estimated Concentration, ug/L
556672	Cyclotetrasiloxane, octamethyl	23.15	12JN
	Unknown siloxane	25.92	7J

Sample Identification: MW-46

CAS#	Compound	RT	Estimated Concentration, ug/L
556672	Cyclotetrasiloxane, octamethyl	23.15	140JN
	Unknown siloxane	25.92	110J
541059	Cyclotrisiloxane, hexamethyl	18.57	22JN

Sample Identification: MW-35

CAS#	Compound	RT	Estimated Concentration, ug/L
556672	Cyclotetrasiloxane, octamethyl	23.12	210JN
	Unknown siloxane	25.89	160J
541059	Cyclotrisiloxane, hexamethyl	18.51	28JN
	Unknown siloxane	24.37	14J
	Unknown alkylbenzene	25.17	6J

Sample Identification: MW-42

CAS#	Compound	RT	Estimated Concentration, ug/L
556672	Cyclotetrasiloxane, octamethyl	23.19	280JN
	Unknown siloxane	25.93	200J
	Unknown siloxane	24.44	45J
541059	Cyclotrisiloxane, hexamethyl	18.61	44JN
	Unknown alkylbenzene	25.21	9J
	Unknown isomer 1H-indene, 2,3-dimethyl	25.43	9J
	Unknown alkane	24.99	7J

J, N - See Appendix for definition.

TABLE 3.2
30930-0148
ROUX ASSOCIATES
VOLATILE TENTATIVELY IDENTIFIED COMPOUNDS

Sample Identification: MHW-2

CAS#	Compound	RT	Estimated Concentration, ug/L
556672	Cyclotetrasiloxane, octamethyl	23.15	46JN
	Unknown siloxane	25.91	11J
	Unknown siloxane	24.45	10J

Sample Identification: REPLICATE

CAS#	Compound	RT	Estimated Concentration, ug/L
556672	Cyclotetrasiloxane, octamethyl	23.19	32JN
541059	Cyclotrisiloxane, hexamethyl	18.63	23JN
	Unknown PAH	24.68	6J

Sample Identification: MW-23

CAS#	Compound	RT	Estimated Concentration, ug/L
	Unknown indene	25.21	24J
	Unknown C_4 alkylbenzene	26.51	22J
	Unknown C_4 alkylbenzene	26.43	18J
	Unknown indene	26.07	18J
556672	Cyclotetrasiloxane, octamethyl	23.17	16JN
	Unknown C_4 alkylbenzene	25.85	12J
	Unknown C_4 alkylbenzene	25.71	11J
	Unknown siloxane	25.93	9J
	Unknown alkylbenzene	26.18	5J

J, N - See Appendix for definition.

TABLE 3.3
30930-0148
ROUX ASSOCIATES
VOLATILE TENTATIVELY IDENTIFIED COMPOUNDS

Sample Identification: MW-47

CAS#	Compound	RT	Estimated Concentration, ug/L
556672	Cyclotetrasiloxane, octamethyl	23.22	21JN
	Unknown PAH	26.48	21J
	Unknown siloxane	25.99	19J
	Unknown indene	24.82	16J
	Unknown indene	21.18	11J
	Unknown indene	25.54	10J
	Unknown alkylbenzene	20.15	9J
	Unknown indene	24.16	9J
	Unknown alkylbenzene	25.29	8J
	Unknown PAH	22.72	7J

Sample Identification: Method Blank VBLKGK

CAS#	Compound	RT	Estimated Concentration, ug/L
	None detected		

J, N - See Appendix for definition.

TABLE 4.0
30930-0148
ROUX ASSOCIATES
EPA TCL SEMI-VOLATILE ORGANICS

All values are ug/L.

	Sample Identification						
Dilution Factor	1.0	1.02	1.02	1.02	1.0	1.02	
Method Blank I.D.	SBLK86	SBLK86	SBLK86	SBLK86	SBLK86	SBLK86	
Compound	Method Blank	MW-45	MW-45 MS	MW-45 MSD	MHW-1	MW-43	Quantitation Limits with no Dilution
Phenol	U	U	38	42	U	U	10
bis(2-Chloroethyl)ether	U	U	U	U	U	U	10
2-Chlorophenol	U	U	40	44	U	U	10
1,3-Dichlorobenzene	U	U	U	U	U	U	10
1,4-Dichlorobenzene	U	U	31	32	U	U	10
1,2-Dichlorobenzene	U	U	U	U	U	U	10
2-Methylphenol	U	U	U	U	U	U	10
2,2'-oxybis(1-Chloropropane)	U	U	U	U	U	U	10
4-Methylphenol	U	U	U	U	U	U	10
N-Nitroso-di-n-propylamine	U	U	37	35	U	U	10
Hexachloroethane	U	U	U	U	U	U	10
Nitrobenzene	U	U	U	U	U	U	10
Isophorone	U	U	U	U	U	U	10
2-Nitrophenol	U	U	U	U	U	U	10
2,4-Dimethylphenol	U	U	U	U	U	U	10
bis(2-Chloroethoxy)methane	U	U	U	U	U	U	10
2,4-Dichlorophenol	U	U	U	U	U	U	10
1,2,4-Trichlorobenzene	U	U	34	33	U	U	10
Naphthalene	U	U	U	U	2J	U	10
4-Chloroaniline	U	U	U	U	U	U	10
Hexachlorobutadiene	U	U	U	U	U	U	10
4-Chloro-3-methylphenol	U	U	46	49	U	U	10
2-Methylnaphthalene	U	U	U	U	1J	U	10
Hexachlorocyclopentadiene	U	U	U	U	U	U	10
2,4,6-Trichlorophenol	U	U	U	U	U	U	10
2,4,5-Trichlorophenol	U	U	U	U	U	U	25
2-Chloronaphthalene	U	U	U	U	U	U	10
2-Nitroaniline	U	U	U	U	U	U	25
Dimethylphthalate	U	U	U	U	U	U	10
Acenaphthylene	U	U	U	U	U	U	10
2,6-Dinitrotoluene	U	U	U	U	U	U	10
3-Nitroaniline	U	U	U	U	U	U	25
Acenaphthene	U	U	28	29	U	U	10

U, J - See Appendix for definition.
Note: Sample detection limit = quantitation limit x dilution factor.

TABLE 4.0
30930-0148
ROUX ASSOCIATES
EPA TCL SEMI-VOLATILE ORGANICS

All values are ug/L.

	Sample Identification						
Dilution Factor	1.0	1.02	1.02	1.02	1.0	1.02	
Method Blank I.D.	SBLK86	SBLK86	SBLK86	SBLK86	SBLK86	SBLK86	
Compound	Method Blank	MW-45	MW-45 MS	MW-45 MSD	MHW-1	MW-43	Quantitation Limits with no Dilution
2,4-Dinitrophenol	U	U	U	U	U	U	25
4-Nitrophenol	U	U	80	56	U	U	25
Dibenzofuran	U	U	U	U	U	U	10
2,4-Dinitrotoluene	U	U	43	38	U	U	10
Diethylphthalate	U	U	U	U	U	U	10
4-Chlorophenyl-phenylether	U	U	U	U	U	U	10
Fluorene	U	U	U	U	U	U	10
4-Nitroaniline	U	U	U	U	U	U	25
4,6-Dinitro-2-methylphenol	U	U	U	U	U	U	25
N-Nitrosodiphenylamine (1)	U	U	U	U	U	U	10
4-Bromophenyl-phenylether	U	U	U	U	U	U	10
Hexachlorobenzene	U	U	U	U	U	U	10
Pentachlorophenol	U	U	51	54	U	U	25
Phenanthrene	U	U	U	U	U	U	10
Anthracene	U	U	U	U	U	U	10
Carbazole	U	U	U	U	U	U	10
Di-n-butylphthalate	0.6J	U	0.4JB	0.4JB	U	0.6JB	10
Fluoranthene	U	U	U	U	U	U	10
Pyrene	U	U	20	22	U	U	10
Butylbenzylphthalate	U	U	U	U	U	U	10
3,3'-Dichlorobenzidine	U	U	U	U	U	U	10
Benzo(a)anthracene	U	U	U	U	U	U	10
Chrysene	U	U	U	U	U	U	10
bis(2-Ethylhexyl)phthalate	2J	0.5JB	0.6JB	2JB	1JB	0.5JB	10
Di-n-octylphthalate	U	U	U	U	U	U	10
Benzo(b)fluoranthene	U	U	U	U	U	U	10
Benzo(k)fluoranthene	U	U	U	U	U	U	10
Benzo(a)pyrene	U	U	U	U	U	U	10
Indeno(1,2,3-cd)pyrene	U	U	U	U	U	U	10
Dibenzo(a,h)anthracene	U	U	U	U	U	U	10
Benzo(g,h,i)perylene	U	U	U	U	U	U	10

U, J, B, (1) - See Appendix for definition.
Note: Sample detection limit = quantitation limit x dilution factor.

TABLE 4.1
30930-0148
ROUX ASSOCIATES
EPA TCL SEMI-VOLATILE ORGANICS

All values are ug/L.

	Sample Identification					
Dilution Factor	1.0	1.02	1.0	1.0	1.0	
Method Blank I.D.	SBLK86	SBLK86	SBLK86	SBLK86	SBLK86	
Compound	Method Blank	MW-44	MW-46	MW-35	MW-42	Quantitation Limits with no Dilution
Phenol	U	U	U	U	U	10
bis(2-Chloroethyl)ether	U	U	U	U	U	10
2-Chlorophenol	U	U	U	U	U	10
1,3-Dichlorobenzene	U	U	U	U	U	10
1,4-Dichlorobenzene	U	U	U	U	U	10
1,2-Dichlorobenzene	U	U	U	U	U	10
2-Methylphenol	U	U	U	U	U	10
2,2'-oxybis(1-Chloropropane)	U	U	U	U	U	10
4-Methylphenol	U	U	U	U	U	10
N-Nitroso-di-n-propylamine	U	U	U	U	U	10
Hexachloroethane	U	U	U	U	U	10
Nitrobenzene	U	U	U	U	U	10
Isophorone	U	U	U	U	U	10
2-Nitrophenol	U	U	U	U	U	10
2,4-Dimethylphenol	U	U	U	U	U	10
bis(2-Chloroethoxy)methane	U	U	U	U	U	10
2,4-Dichlorophenol	U	U	U	U	U	10
1,2,4-Trichlorobenzene	U	U	U	U	U	10
Naphthalene	U	U	U	U	U	10
4-Chloroaniline	U	U	U	U	U	10
Hexachlorobutadiene	U	U	U	U	U	10
4-Chloro-3-methylphenol	U	U	U	U	U	10
2-Methylnaphthalene	U	U	U	5J	U	10
Hexachlorocyclopentadiene	U	U	U	U	U	10
2,4,6-Trichlorophenol	U	U	U	U	U	10
2,4,5-Trichlorophenol	U	U	U	U	U	25
2-Chloronaphthalene	U	U	U	U	U	10
2-Nitroaniline	U	U	U	U	U	25
Dimethylphthalate	U	U	U	U	U	10
Acenaphthylene	U	U	U	U	U	10
2,6-Dinitrotoluene	U	U	U	U	U	10
3-Nitroaniline	U	U	U	U	U	25
Acenaphthene	U	U	U	2J	U	10

U, J - See Appendix for definition.
Note: Sample detection limit = quantitation limit x dilution factor.

TABLE 4.1
30930-0148
ROUX ASSOCIATES
EPA TCL SEMI-VOLATILE ORGANICS

All values are ug/L.

	Sample Identification					
Dilution Factor	1.0	1.02	1.0	1.0	1.0	
Method Blank I.D.	SBLK86	SBLK86	SBLK86	SBLK86	SBLK86	
Compound	Method Blank	MW-44	MW-46	MW-35	MW-42	Quantitation Limits with no Dilution
2,4-Dinitrophenol	U	U	U	U	U	25
4-Nitrophenol	U	U	U	U	U	25
Dibenzofuran	U	U	U	U	U	10
2,4-Dinitrotoluene	U	U	U	U	U	10
Diethylphthalate	U	U	U	U	U	10
4-Chlorophenyl-phenylether	U	U	U	U	U	10
Fluorene	U	U	U	U	U	10
4-Nitroaniline	U	U	U	U	U	25
4,6-Dinitro-2-methylphenol	U	U	U	U	U	25
N-Nitrosodiphenylamine (1)	U	U	U	U	U	10
4-Bromophenyl-phenylether	U	U	U	U	U	10
Hexachlorobenzene	U	U	U	U	U	10
Pentachlorophenol	U	U	U	U	U	25
Phenanthrene	U	U	U	U	U	10
Anthracene	U	U	U	1J	U	10
Carbazole	U	U	U	U	U	10
Di-n-butylphthalate	0.6J	0.6JB	0.5JB	0.8JB	U	10
Fluoranthene	U	U	U	1J	U	10
Pyrene	U	U	U	0.9J	U	10
Butylbenzylphthalate	U	U	U	U	U	10
3,3'-Dichlorobenzidine	U	U	U	U	U	10
Benzo(a)anthracene	U	U	U	U	U	10
Chrysene	U	U	U	U	U	10
bis(2-Ethylhexyl)phthalate	2J	0.5JB	U	0.7JB	0.7JB	10
Di-n-octylphthalate	U	U	U	U	U	10
Benzo(b)fluoranthene	U	U	U	U	U	10
Benzo(k)fluoranthene	U	U	U	U	U	10
Benzo(a)pyrene	U	U	U	U	U	10
Indeno(1,2,3-cd)pyrene	U	U	U	U	U	10
Dibenzo(a,h)anthracene	U	U	U	U	U	10
Benzo(g,h,i)perylene	U	U	U	U	U	10

U, J, B, (1) - See Appendix for definition.
Note: Sample detection limit = quantitation limit x dilution factor.

TABLE 4.2
30930-0148
ROUX ASSOCIATES
EPA TCL SEMI-VOLATILE ORGANICS

All values are ug/L.

	Sample Identification					
Dilution Factor	1.0	1.02	1.02	1.0	1.02	
Method Blank I.D.	SBLK86	SBLK86	SBLK86	SBLK86	SBLK86	
Compound	Method Blank	MHW-2	REPLICATE	MW-23	MW-47	Quantitation Limits with no Dilution
Phenol	U	U	U	U	U	10
bis(2-Chloroethyl)ether	U	U	U	U	U	10
2-Chlorophenol	U	U	U	U	U	10
1,3-Dichlorobenzene	U	U	U	U	U	10
1,4-Dichlorobenzene	U	U	U	U	U	10
1,2-Dichlorobenzene	U	U	U	U	U	10
2-Methylphenol	U	U	U	U	U	10
2,2'-oxybis(1-Chloropropane)	U	U	U	U	U	10
4-Methylphenol	U	U	U	U	U	10
N-Nitroso-di-n-propylamine	U	U	U	U	U	10
Hexachloroethane	U	U	U	U	U	10
Nitrobenzene	U	U	U	U	U	10
Isophorone	U	U	U	U	U	10
2-Nitrophenol	U	U	U	U	U	10
2,4-Dimethylphenol	U	U	U	U	U	10
bis(2-Chloroethoxy)methane	U	U	U	U	U	10
2,4-Dichlorophenol	U	U	U	U	U	10
1,2,4-Trichlorobenzene	U	1J	U	U	U	10
Naphthalene	U	0.7J	U	U	U	10
4-Chloroaniline	U	U	U	U	U	10
Hexachlorobutadiene	U	U	U	U	U	10
4-Chloro-3-methylphenol	U	U	U	U	U	10
2-Methylnaphthalene	U	U	U	23	U	10
Hexachlorocyclopentadiene	U	U	U	U	U	10
2,4,6-Trichlorophenol	U	U	U	U	U	10
2,4,5-Trichlorophenol	U	U	U	U	U	25
2-Chloronaphthalene	U	U	U	U	U	10
2-Nitroaniline	U	U	U	U	U	25
Dimethylphthalate	U	U	U	U	U	10
Acenaphthylene	U	U	U	U	U	10
2,6-Dinitrotoluene	U	U	U	U	U	10
3-Nitroaniline	U	U	U	U	U	25
Acenaphthene	U	U	U	4J	U	10

U, J - See Appendix for definition.
Note: Sample detection limit = quantitation limit x dilution factor.

TABLE 4.2
30930-0148
ROUX ASSOCIATES
EPA TCL SEMI-VOLATILE ORGANICS

All values are ug/L.

	Sample Identification					
Dilution Factor	1.0	1.02	1.02	1.0	1.02	
Method Blank I.D.	SBLK86	SBLK86	SBLK86	SBLK86	SBLK86	
Compound	Method Blank	MHW-2	REPLICATE	MW-23	MW-47	Quantitation Limits with no Dilution
2,4-Dinitrophenol	U	U	U	U	U	25
4-Nitrophenol	U	U	U	U	U	25
Dibenzofuran	U	0.9J	U	4J	U	10
2,4-Dinitrotoluene	U	U	U	U	U	10
Diethylphthalate	U	0.8J	U	U	U	10
4-Chlorophenyl-phenylether	U	U	U	U	U	10
Fluorene	U	U	U	U	U	10
4-Nitroaniline	U	U	U	U	U	25
4,6-Dinitro-2-methylphenol	U	U	U	U	U	25
N-Nitrosodiphenylamine (1)	U	U	U	U	U	10
4-Bromophenyl-phenylether	U	U	U	U	U	10
Hexachlorobenzene	U	U	U	U	U	10
Pentachlorophenol	U	U	U	U	U	25
Phenanthrene	U	7J	U	2J	U	10
Anthracene	U	2J	U	U	U	10
Carbazole	U	U	U	6J	U	10
Di-n-butylphthalate	0.6J	0.9JB	0.7JB	U	U	10
Fluoranthene	U	16	U	U	U	10
Pyrene	U	10J	U	U	U	10
Butylbenzylphthalate	U	1J	U	U	U	10
3,3'-Dichlorobenzidine	U	U	U	U	U	10
Benzo(a)anthracene	U	3J	U	U	U	10
Chrysene	U	7J	U	U	U	10
bis(2-Ethylhexyl)phthalate	2J	4JB	1JB	2JB	0.8JB	10
Di-n-octylphthalate	U	U	U	U	U	10
Benzo(b)fluoranthene	U	4J	U	U	U	10
Benzo(k)fluoranthene	U	U	U	U	U	10
Benzo(a)pyrene	U	U	U	U	U	10
Indeno(1,2,3-cd)pyrene	U	U	U	U	U	10
Dibenzo(a,h)anthracene	U	U	U	U	U	10
Benzo(g,h,i)perylene	U	U	U	U	U	10

U, J, B, (1) - See Appendix for definition.
Note: Sample detection limit = quantitation limit x dilution factor.

TABLE 5.0
30930-0148
ROUX ASSOCIATES
SEMI-VOLATILE TENTATIVELY IDENTIFIED COMPOUNDS

Sample Identification: Method Blank SBLK86

CAS#	Compound	RT	Estimated Concentration, ug/L
	Unknown	8.67	8J
	Aldol condensation product	8.26	3JA
	Unknown	9.42	3J
	Unknown	15.23	2J

Sample Identification: MW-45

CAS#	Compound	RT	Estimated Concentration, ug/L
	Unknown	36.72	120J
	Unknown	32.22	88J
	Unknown	29.23	68J
	Unknown	44.16	67J
	Unknown	26.55	58J
	Unknown	23.48	38J
	Unknown	37.42	34J
	Unknown	32.60	28J
	Unknown	29.45	20J
	Unknown	19.92	16J
	Unknown	26.71	12J
124072	Octanoic acid	14.95	11J
	Unknown	45.42	9J
	Unknown	8.68	7JB
	Unknown	17.46	5J
	Unknown	23.60	5J
	Unknown	9.42	4JB
	Unknown	17.92	4J
	Aldol condensation product	8.27	4JAB
112356	Ethanol,2[2-(2-methoxyethoxy)eth...	15.69	3JN
	Unknown	39.73	2J

J, A, B - See Appendix for definition.

TABLE 5.1
30930-0148
ROUX ASSOCIATES
SEMI-VOLATILE TENTATIVELY IDENTIFIED COMPOUNDS

Sample Identification: MHW-1

CAS#	Compound	RT	Estimated Concentration, ug/L
	Unknown	27.38	80J
	Unknown acid	25.47	64J
	Unknown acid	27.54	34J
	Unknown	9.06	27J
	Unknown	5.20	20J
	Unknown	29.45	20J
	Unknown	26.51	15J
	Unknown acid	20.70	14J
	Unknown	29.18	7J
	Unknown	32.11	6J
	Unknown	42.45	6J
	Unknown acid	23.13	5J
	Unknown	36.52	5J
	Unknown	23.45	5J
	Unknown	16.44	4J
	Unknown	43.71	4J
	Unknown	22.82	3J
	Unknown	26.68	3J
	Unknown (MW=118)	12.64	3J
	Unknown	8.70	3JB
	Aldol condensation product	8.29	3JAB

Sample Identification: MW-43

CAS#	Compound	RT	Estimated Concentration, ug/L
	Unknown	36.74	59J
	Unknown	32.24	58J
	Unknown	26.56	45J
	Unknown	29.25	43J
	Unknown	23.51	27J
	Unknown	44.18	27J
	Unknown	39.89	20J
	Unknown	32.66	20J
	Unknown	49.61	20J
	Unknown	37.47	18J
	Unknown	29.49	17J
	Unknown	34.21	14J

J, A, B - See Appendix for definition.

TABLE 5.2
30930-0148
ROUX ASSOCIATES
SEMI-VOLATILE TENTATIVELY IDENTIFIED COMPOUNDS

Sample Identification: MW-43 (continued)

CAS#	Compound	RT	Estimated Concentration, ug/L
	Unknown	19.94	13J
	Unknown	37.98	11J
	Unknown	26.74	11J
	Unknown	46.32	9J
	Unknown	30.66	9J
	Unknown	5.21	6J
	Unknown	33.06	5J
	Aldol condensation product	8.30	4JAB
	Unknown	23.29	4J

Sample Identification: MW-44

CAS#	Compound	RT	Estimated Concentration, ug/L
	Unknown	32.17	36J
	Unknown	29.21	34J
	Unknown	26.53	30J
	Unknown	36.61	23J
	Unknown	23.48	17J
	Unknown	44.00	8J
	Unknown	19.94	7J
	Unknown	32.55	6J
	Unknown	29.42	6J
	Unknown benzenediol	16.90	6J
	Aldol condensation product	8.31	4JAB
	Unknown	8.71	4JB
	Unknown	26.70	4J
	Unknown acid	20.66	3J
	Unknown	14.90	2J

J, A, B - See Appendix for definition.

TABLE 5.3
30930-0148
ROUX ASSOCIATES
SEMI-VOLATILE TENTATIVELY IDENTIFIED COMPOUNDS

Sample Identification: MW-46

CAS#	Compound	RT	Estimated Concentration, ug/L
	Unknown	8.71	7JB
	Unknown	17.68	7J
	Unknown cyclohexen-1-ol	9.45	4J
	Unknown	10.45	3J
	Unknown	14.42	3J
403190	2-Fluoro-4-nitrophenol	14.74	3JN
	Unknown	15.85	3J
	Aldol condensation product	8.30	3JAB
	Unknown	23.47	3J
115968	Ethanol,2-chloro-,phosphate	23.36	2JN

Sample Identification: MW-35

CAS#	Compound	RT	Estimated Concentration, ug/L
	Unknown dimethyl-naphthalene	19.53	6J
	Unknown	20.94	5J
	Unknown	18.56	4J
	Unknown (MW=162)	19.10	4J
	Unknown	15.98	4J
	Unknown benzo[b]thiophene-methyl-	17.02	4J
	Unknown	15.15	3J
	Unknown	15.38	3J
	Aldol condensation product	8.16	3JAB
	Unknown $C_{10}H_{14}$	12.84	3J
	Unknown	13.23	3J
	Unknown C_4 alkylbenzene	13.99	3J
	Unknown	14.51	3J
	Unknown $C_{10}H_{14}$	14.65	3J
	Unknown	21.06	3J
	Unknown	33.78	3J
	Unknown	15.85	2J
	Unknown	14.76	2J
	Unknown	16.50	2J
	Unknown	13.81	2J
	Unknown	8.57	2JB

J, A, B, N - See Appendix for definition.

TABLE 5.4
30930-0148
ROUX ASSOCIATES
SEMI-VOLATILE TENTATIVELY IDENTIFIED COMPOUNDS

Sample Identification: MW-42

CAS#	Compound	RT	Estimated Concentration, ug/L
	Unknown	32.04	110J
	Unknown	36.43	100J
	Unknown	29.11	89J
	Unknown	26.43	76J
	Unknown	43.68	54J
	Unknown	23.37	46J
	Unknown	32.42	33J
	Unknown	37.12	25J
	Unknown	29.32	25J
	Unknown	19.81	20J
	Unknown	26.60	16J
	Unknown	39.43	9J
	Unknown	48.82	9J
	Unknown	33.92	5J
	Unknown	23.49	5J
	Unknown	15.60	4J
	Unknown	33.76	4J
	Aldol condensation product	8.17	4JAB
	Unknown	8.57	4JB
	Unknown	30.48	3J
	Unknown	14.80	3J

Sample Identification: MHW-2

CAS#	Compound	RT	Estimated Concentration, ug/L
	Unknown	19.53	8J
	Unknown acid	25.27	6J
	Unknown	8.57	6JB
	Unknown	25.45	5J
	Unknown	16.38	4J
	Unknown	17.37	4J
	Aldol condensation product	8.18	4JAB
	Unknown	13.13	3J
	Unknown	17.83	3J
	Unknown	14.80	3J
	Unknown acid	20.55	3J
	Unknown	23.71	3J

J, A, B - See Appendix for definition.

TABLE 5.5
30930-0148
ROUX ASSOCIATES
SEMI-VOLATILE TENTATIVELY IDENTIFIED COMPOUNDS

Sample Identification: MHW-2 (continued)

CAS#	Compound	RT	Estimated Concentration, ug/L
	Unknown	15.14	3J
	Unknown	11.38	3J
84651	9,10-Anthracenedione	25.99	3JN
	Unknown	27.31	3J
	Unknown	16.64	3J
	Unknown	29.54	3J
	Unknown	33.76	3J
	Unknown	22.35	2J
	Unknown	26.73	2J

Sample Identification: REPLICATE

CAS#	Compound	RT	Estimated Concentration, ug/L
	Unknown	31.97	54J
	Unknown	29.07	45J
	Unknown	26.39	39J
	Unknown	36.30	39J
	Unknown	23.34	22J
	Unknown	43.53	17J
	Unknown	32.34	11J
	Unknown	29.28	9J
	Unknown	19.80	7J
	Unknown	8.58	6JB
	Unknown	37.00	6J
	Unknown	26.56	6J
	Aldol condensation product	8.17	4JAB
	Unknown	33.74	3J
	Unknown	22.12	3J
	Unknown acid	16.34	3J
	Unknown	23.47	3J
	Unknown acid	10.32	2J

J, A, B, N - See Appendix for definition.

TABLE 5.6
30930-0148
ROUX ASSOCIATES
SEMI-VOLATILE TENTATIVELY IDENTIFIED COMPOUNDS

Sample Identification: MW-23

CAS#	Compound	RT	Estimated Concentration, ug/L
	Unknown	31.82	46J
	Unknown dimethyl-naphthalene	19.00	21J
	Unknown $C_{11}H_{10}$	17.11	16J
	Unknown trimethyl-naphthalane	20.76	13J
	Unknown methyl-benzo[B]thiophene	17.01	12J
	Unknown $C_{10}H_{12}$	14.65	12J
	Unknown dimethyl-naphthalene	18.76	12J
	Unknown C_4 alkylbenzene	14.07	11J
	Unknown $C_{11}H_{14}$	15.45	11J
	Unknown dimethyl naphthalene	19.29	10J
	Unknown dimethyl naphthalene	19.53	10J
	Unknown	15.40	9J
	Unknown $C_{13}H_{12}$	21.51	9J
	Unknown C_3 alkylbenzene	12.52	9J
	Unknown C_4 alkylbenzene	13.99	8J
	Unknown $C_{10}H_{12}$	14.44	8J
	Unknown	16.80	7J
	Unknown	15.78	7J
	Unknown	28.99	6J
	Unknown	14.88	6J

Sample Identification: MW-47

CAS#	Compound	RT	Estimated Concentration, ug/L
	Unknown	26.36	13J
	Unknown	29.04	13J
	Unknown	31.93	12J
	Unknown	23.32	6J
	Unknown	36.23	6J
	Unknown	32.34	5J
	Aldol condensation product	8.18	5JAB
	Unknown	33.75	4J
	Unknown	29.27	4J
	Unknown	8.57	3JB
	Unknown	26.55	3J
	Unknown	19.79	2J

J, A, B - See Appendix for definition.

Aqueous

TABLE 6.0
30930-0148
ROUX ASSOCIATES
POLYCHLORINATED BIPHENYLS (PCB's)

All values are ug/L.

	Sample Identification				
Dilution Factor	1.0	1.0	1.02	1.02	
Method Blank I.D.	PBLK06	PBLK06	PBLK06	PBLK06	
Compound	Method Blank	MHW-2	MW-35	MHW-1	Quantitation Limits with no Dilution
PCB - 1016	U	U	U	U	0.065
PCB - 1221	U	U	U	U	0.065
PCB - 1232	U	U	U	U	0.065
PCB - 1242	U	U	U	U	0.065
PCB - 1248	U	U	U	U	0.065
PCB - 1254	U	1.1	0.089	0.33	0.065
PCB - 1260	U	1.2	U	0.13	0.065

U - See Appendix for definition.
Note: Sample detection limit = quantitation limit x dilution factor.

Aqueous

TABLE 6.1
30930-0148
ROUX ASSOCIATES
POLYCHLORINATED BIPHENYLS (PCB's)

All values are ug/L.

Sample Identification

Dilution Factor	1.0	1.02	1.02	1.02	1.0	1.0	
Method Blank I.D.	PBLK07	PBLK07	PBLK07	PBLK07	PBLK07	PBLK07	
Compound	Method Blank	MW-45	MW-43	MW-44	MW-46	MW-45 REPLICATE	Quantitation Limits with no Dilution
PCB - 1016	U	U	U	U	U	U	0.065
PCB - 1221	U	U	U	U	U	U	0.065
PCB - 1232	U	U	U	U	U	U	0.065
PCB - 1242	U	U	U	U	U	U	0.065
PCB - 1248	U	U	U	U	U	U	0.065
PCB - 1254	U	U	U	U	0.59	U	0.065
PCB - 1260	U	U	U	U	1.7	U	0.065

Sample Identification

Dilution Factor	1.02	1.01	1.02	1.0	1.0	
Method Blank I.D.	PBLK07	PBLK07	PBLK07	PBLK07	PBLK07	
Compound	MW-1	MW-23	MW-47	MW-45 MS	MW-45 MSD	Quantitation Limits with no Dilution
PCB - 1016	U	U	U	U	U	0.065
PCB - 1221	U	U	U	U	U	0.065
PCB - 1232	U	U	U	U	U	0.065
PCB - 1242	U	U	U	U	U	0.065
PCB - 1248	U	U	U	U	U	0.065
PCB - 1254	U	U	U	U	U	0.065
PCB - 1260	0.29	U	U	0.17X	0.21X	0.065

U, X - See Appendix for definition.
Note: Sample detection limit = quantitation limit x dilution factor.

TABLE 6.2
30930-0148
ROUX ASSOCIATES
POLYCHLORINATED BIPHENYLS (PCB's)

Aqueous

All values are ug/L.

	Sample Identification							
Dilution Factor	1.0	1.02	1.0	1.0	5.0	1.02	1.02	
Method Blank I.D.	PBLK00	PBLK00	PBLK00	PBLK00	PBLK00	PBLK00	PBLK00	
Compound	Method Blank	FB	MHW-5	MHW-3	MHW-7	MHW-6	MW-27	Quantitation Limits with no Dilution
PCB - 1016	U	U	U	U	U	U	U	0.065
PCB - 1221	U	U	U	U	U	U	U	0.065
PCB - 1232	U	U	U	U	U	U	U	0.065
PCB - 1242	U	U	U	U	U	U	U	0.065
PCB - 1248	U	U	U	U	2.6	U	U	0.065
PCB - 1254	U	U	U	0.32	5.9	0.48	U	0.065
PCB - 1260	U	0.20	U	0.31	6.3	0.33	U	0.065

U - See Appendix for definition.
Note: Sample detection limit = quantitation limit x dilution factor.

Soil

TABLE 6.3
30930-0148
ROUX ASSOCIATES
POLYCHLORINATED BIPHENYLS (PCB's)

All values are ug/Kg.

	Sample Identification			
Dilution Factor	1.0	125.0	1,250.0	
Method Blank I.D.	PBLK02	PBLK02	PBLK02	
Compound	Method Blank	MHS-3	MHS-3 DL	Quantitation Limits with no Dilution
PCB - 1016	U	U	U	33
PCB - 1221	U	U	U	67
PCB - 1232	U	U	U	33
PCB - 1242	U	3,000JP	U	33
PCB - 1248	U	U	U	33
PCB - 1254	U	29,000P	38,000JD	33
PCB - 1260	U	22,000P	29,000JPD	33

U, J, P, D - See Appendix for definition.
Note: Sample detection limit = quantitation limit x dilution factor.

Oil

TABLE 6.4
30930-0148
ROUX ASSOCIATES
POLYCHLORINATED BIPHENYLS (PCB's)

All values are ug/Kg.

	Sample Identification					
Dilution Factor	1.0	1.0	10.0	0.96	1.0	
Method Blank I.D.	PBLK05	PBLK05	PBLK05	PBLK05	PBLK05	
Compound	Method Blank	MW-36	MW-36 DL	MW-36 MS	MW-36 MSD	Quantitation Limits with no Dilution
PCB - 1016	U	U	U	U	U	1,000
PCB - 1221	U	U	U	U	U	2,000
PCB - 1232	U	U	U	U	U	1,000
PCB - 1242	U	U	U	U	U	1,000
PCB - 1248	U	U	U	U	U	1,000
PCB - 1254	U	U	U	U	U	1,000
PCB - 1260	U	14,000	14,000PD	15,000	15,000	1,000

U, P, D - See Appendix for definition.
Note: Sample detection limit = quantitation limit x dilution factor.

APPENDIX/METALS DATA

C - Concentration qualifiers

U - Indicates analyte result less than instrument detection limit (IDL)

B - Indicates analyte result between IDL and contract required detection limit (CRDL)

Q - QC qualifiers

E - Reported value is estimated because of the presence of interference

M - Duplicate injection precision not met

N - Spiked sample recovery not within control limits

S - The reported value was determined by the method of standard additions (MSA)

W - Post-digest spike recovery furnace analysis was out of 85-115 percent control limit, while sample absorbance was less than 50 percent of spike absorbance

* - Duplicate analysis not within control limit

+ - Correlation coefficient for MSA is less than 0.995

M - Method codes

P - ICP

A - Flame AA

F - Furnace AA

CV - Cold vapor AA (manual)

C - Cyanide

NR - Not Required

NC - Not Calculated as per protocols