MICHIGAN DEPARTMENT OF ENVIRONMENTAL QUALITY
ENVIRONMENTAL LABORATORY

P.O. Box 30270
Lansing, MI 48909
TEL: (517) 335-9800
FAX: (517) 335-9600

EPA Region 5 Records Ctr.
331035

Division: WB
Report to: TRACY KECSKEMETI
MDEQ-WB-WARREN
SOUTHEAST MICHIGAN DISTRICT OFF
27700 DONALD COURT, WARREN, MI 48092-2793

Total: $1,788.50

Lab Work Order # : 80900075
Work Site ID : 0004227
Site Name : DSC GIBRALTAR
Received: 09/09/2008
Reported: 09/26/2008
Collected By: T. KECSKEMETI

Samples Received :

No:	Sample ID	Sample Description	Matrix:	Collection Date
01	AB22859	LEACHATE	WASTE WATER	09/09/2008

I certify that the analysis performed by the MDEQ Environmental Laboratory are accurate and that the laboratory tests were conducted by methods approved by the U.S. Environmental Protection Agency and other appropriate regulatory agencies.

Bob Avery, Laboratory Director

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Sample Number: AB22859 LEACHATE

Volatile Compounds

Analytical Method: 624 **Date Tested:** 09/10/2008 **Analyst:** RD

CAS #	Compound	Result ug/L	RL	Qualifier	Dilution Factor
SURROGATE	#Bromofluorobenzene#	103			
SURROGATE	#Dibromofluoromethane#	100			
SURROGATE	#Toluene-d8#	99.9			
630-20-6	1,1,1,2-Tetrachloroethane	Not Detected	1.0		1.0
71-55-6	1,1,1-Trichloroethane	Not Detected	1.0		1.0
79-34-5	1,1,2,2-Tetrachloroethane	Not Detected	1.0		1.0
79-00-5	1,1,2-Trichloroethane	Not Detected	1.0		1.0
75-34-3	1,1-Dichloroethane	1.3	1.0		1.0
75-35-4	1,1-Dichloroethylene	Not Detected	1.0		1.0
87-61-6	1,2,3-Trichlorobenzene	Not Detected	5.0		1.0
96-18-4	1,2,3-Trichloropropane	Not Detected	1.0		1.0
120-82-1	1,2,4-Trichlorobenzene	Not Detected	5.0		1.0
95-63-6	1,2,4-Trimethylbenzene	Not Detected	1.0		1.0
96-12-8	1,2-Dibromo-3-chloropropane	Not Detected	5.0		1.0
106-93-4	1,2-Dibromoethane	Not Detected	1.0		1.0
95-50-1	1,2-Dichlorobenzene	Not Detected	1.0		1.0
107-06-2	1,2-Dichloroethane	Not Detected	1.0		1.0
78-87-5	1,2-Dichloropropane	Not Detected	1.0		1.0
108-67-8	1,3,5-Trimethylbenzene	Not Detected	1.0		1.0
541-73-1	1,3-Dichlorobenzene	Not Detected	1.0		1.0
106-46-7	1,4-Dichlorobenzene	Not Detected	1.0		1.0
78-93-3	2-Butanone (MEK)	14	5.0		1.0
591-78-6	2-Hexanone	Not Detected	5.0		1.0
91-57-6	2-Methylnaphthalene	6.9	5.0	X 5	1.0
67-64-1	2-Propanone (acetone)	110	100		5.0
108-10-1	4-Methyl-2-pentanone (MIBK)	12	5.0		1.0
107-13-1	Acrylonitrile	Not Detected	5.0		1.0
71-43-2	Benzene	Not Detected	1.0		1.0
108-86-1	Bromobenzene	Not Detected	1.0		1.0
74-97-5	Bromochloromethane	Not Detected	1.0		1.0
75-27-4	Bromodichloromethane	Not Detected	1.0		1.0
75-25-2	Bromoform	Not Detected	1.0		1.0
74-83-9	Bromomethane	Not Detected	5.0		1.0
75-15-0	Carbon disulfide	3.6	1.0		1.0
56-23-5	Carbon tetrachloride	Not Detected	1.0		1.0
108-90-7	Chlorobenzene	Not Detected	1.0		1.0
75-00-3	Chloroethane	Not Detected	5.0		1.0
67-66-3	Chloroform	Not Detected	1.0		1.0
74-87-3	Chloromethane	Not Detected	5.0		1.0
156-59-2	cis-1,2-Dichloroethylene	Not Detected	1.0		1.0
10061-01-5	cis-1,3-Dichloropropylene	Not Detected	1.0		1.0

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Systems Mgmt Unit: George Krisztian

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Sample Number: AB22859 LEACHATE

Volatile Compounds

Analytical Method: 624 **Date Tested:** 09/10/2008 **Analyst:** RD

CAS #	Compound	Result ug/L	RL	Qualifier	Dilution Factor
124-48-1	Dibromochloromethane	Not Detected	1.0		1.0
74-95-3	**Dibromomethane**	**Not Detected**	**1.0**		**1.0**
75-71-8	Dichlorodifluoromethane	Not Detected	5.0		1.0
60-29-7	**Diethyl ether**	**Not Detected**	**5.0**		**1.0**
100-41-4	Ethylbenzene	Not Detected	1.0		1.0
67-72-1	**Hexachloroethane**	**Not Detected**	**5.0**		**1.0**
98-82-8	Isopropylbenzene	Not Detected	1.0		1.0
108383,106423	**m & p - Xylene**	**2.2**	**2.0**		**1.0**
74-88-4	Methyl iodide	Not Detected	1.0		1.0
75-09-2	**Methylene chloride**	**Not Detected**	**5.0**		**1.0**
1634-04-4	Methyltertiarybutylether	Not Detected	1.0		1.0
91-20-3	**Naphthalene**	**28**	**5.0**	**X**	**1.0**
104-51-8	n-Butylbenzene	Not Detected	1.0		1.0
103-65-1	**n-Propylbenzene**	**Not Detected**	**1.0**		**1.0**
95-47-6	o-Xylene	1.8	1.0		1.0
99-87-6	**p-Isopropyl toluene**	**Not Detected**	**1.0**		**1.0**
135-98-8	sec-Butylbenzene	Not Detected	1.0		1.0
100-42-5	**Styrene**	**Not Detected**	**1.0**		**1.0**
98-06-6	tert-Butylbenzene	Not Detected	1.0		1.0
127-18-4	**Tetrachloroethylene**	**Not Detected**	**1.0**		**1.0**
109-99-9	Tetrahydrofuran	Not Detected	5.0		1.0
108-88-3	**Toluene**	**2.6**	**1.0**		**1.0**
156-60-5	trans-1,2-Dichloroethylene	Not Detected	1.0		1.0
10061-02-6	**trans-1,3-Dichloropropylene**	**Not Detected**	**1.0**		**1.0**
110-57-6	trans-1,4-Dichloro-2-butene	Not Detected	5.0		1.0
79-01-6	**Trichloroethylene**	**Not Detected**	**1.0**		**1.0**
75-69-4	Trichlorofluoromethane	Not Detected	1.0		1.0
75-01-4	**Vinyl chloride**	**Not Detected**	**1.0**		**1.0**

Unidentified peaks present in sample.

Base Neutral Acid Compounds with Library

Analytical Method: 625 **Date Tested:** 09/22/2008 **Analyst:** SMH
Extraction Method: 3510 **Extraction Date:** 09/11/2008 **Qualifier:** **Volume:** 1000

CAS #	Compound	Result ug/L	RL	Qualifier	Dilution Factor
SURROGATE	#2 - Fluorobiphenyl#	6.0		9	
SURROGATE	**#2,4,6-Tribromophenol#**	**90.4**			
SURROGATE	#2-Fluorophenol#	29.0			
SURROGATE	**#Nitrobenzene - D5#**	**0.0**		**9**	
SURROGATE	#Phenol - D6#	23.2			
SURROGATE	**#p-Terphenyl-d14#**	**77.2**			

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Sample Number: AB22859 LEACHATE

Base Neutral Acid Compounds with Library

Analytical Method: 625 **Date Tested:** 09/22/2008 **Analyst:** SMH
Extraction Method: 3510 **Extraction Date:** 09/11/2008 **Qualifier:** **Volume:** 1000

CAS #	Compound	Result ug/L	RL	Qualifier	Dilution Factor
	*bis(methylethyl)-Phenol isomer1	4000		LB	
	*bis(methylethyl)-Phenol isomer2	1100		LB	
	*bis(methylethyl)-Phenol isomer3	370		LB	
	*Ethyl hexanol	2400		LB	
	*Ethyl-hexanoic acid	2500		LB	
	*Ethyl-phenol	2100		LB	
	*Methylethyl-phenol isomer1	3800		LB	
	*Methylethyl-phenol isomer2	15000		LB	
	*Tert-butyl-phenol	9200		LB	
120-82-1	1,2,4-Trichlorobenzene	Not Detected	200	8,J*	100
95-95-4	2,4,5-Trichlorophenol	Not Detected	1000	J*	100
88-06-2	2,4,6-Trichlorophenol	Not Detected	1000	J*	100
120-83-2	2,4-Dichlorophenol	Not Detected	1000	J*	100
105-67-9	2,4-Dimethylphenol	620	1000	J*	100
51-28-5	2,4-Dinitrophenol	Not Detected	500		10
121-14-2	2,4-Dinitrotoluene	Not Detected	50		10
606-20-2	2,6-Dinitrotoluene	Not Detected	50		10
91-58-7	2-Chloronaphthalene	Not Detected	20	8	10
95-57-8	2-Chlorophenol	Not Detected	100		10
534-52-1	2-Methyl-4,6-dinitrophenol	Not Detected	500		10
91-57-6	2-Methylnaphthalene	Not Detected	500	J*	100
95-48-7	2-Methylphenol (o-Cresol)	36	100	T	10
88-74-4	2-Nitroaniline	Not Detected	200		10
88-75-5	2-Nitrophenol	Not Detected	1000	J*	100
108394,106445	3 & 4-Methylphenol	Not Detected	200		10
99-09-2	3-Nitroaniline	Not Detected	200		10
101-55-3	4-Bromophenyl phenyl ether	Not Detected	20		10
59-50-7	4-Chloro-3-methyl-phenol	Not Detected	1000	J*	100
7005-72-3	4-Chlorodiphenylether	Not Detected	10		10
100-01-6	4-Nitroaniline	Not Detected	200		10
100-02-7	4-Nitrophenol	Not Detected	500		10
83-32-9	Acenaphthene	Not Detected	10		10
208-96-8	Acenaphthylene	Not Detected	10		10
120-12-7	Anthracene	Not Detected	10		10
103-33-3	Azobenzene	Not Detected	20		10
56-55-3	Benzo[a]anthracene	Not Detected	10		10
50-32-8	Benzo[a]pyrene	Not Detected	20		10
205-99-2	Benzo[b]fluoranthene	Not Detected	20		10
191-24-2	Benzo[g,h,i]perylene	Not Detected	20		10
207-08-9	Benzo[k]fluoranthene	Not Detected	20		10
111-91-1	Bis(2-chloroethoxy)methane	Not Detected	200	J*	100

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Sample Number: AB22859 LEACHATE

Base Neutral Acid Compounds with Library

Analytical Method: 625 **Date Tested:** 09/22/2008 **Analyst:** SMH
Extraction Method: 3510 **Extraction Date:** 09/11/2008 **Qualifier:** **Volume:** 1000

CAS #	Compound	Result ug/L	RL	Qualifier	Dilution Factor
111-44-4	Bis(2-chloroethyl)ether	Not Detected	10		10
108-60-1	**Bis(2-chloroisopropyl)ether**	**Not Detected**	**10**		**10**
117-81-7	Bis(2-ethylhexyl)phthalate	Not Detected	50		10
85-68-7	**Butyl benzyl phthalate**	**Not Detected**	**50**		**10**
86-74-8	Carbazole	Not Detected	100		10
218-01-9	**Chrysene**	**Not Detected**	**10**		**10**
53-70-3	Dibenz[a,h]anthracene	Not Detected	20		10
132-64-9	**Dibenzofuran**	**Not Detected**	**50**		**10**
84-66-2	Diethylphthalate	Not Detected	50		10
131-11-3	**Dimethyl phthalate**	**Not Detected**	**50**	**8**	**10**
84-74-2	Di-n-butyl phthalate	Not Detected	50		10
117-84-0	**Di-n-octyl phthalate**	**Not Detected**	**50**		**10**
206-44-0	Fluoranthene	Not Detected	10		10
86-73-7	**Fluorene**	**Not Detected**	**10**		**10**
118-74-1	Hexachlorobenzene	Not Detected	20		10
87-68-3	**Hexachlorobutadiene**	**Not Detected**	**200**	**J***	**100**
77-47-4	Hexachlorocyclopentadiene	Not Detected	1000	J*	100
67-72-1	**Hexachloroethane**	**Not Detected**	**10**	**8**	**10**
193-39-5	Indeno(1,2,3-c,d)pyrene	Not Detected	20		10
78-59-1	**Isophorone**	**Not Detected**	**100**	**J***	**100**
91-20-3	Naphthalene	Not Detected	100	J*	100
98-95-3	**Nitrobenzene**	**Not Detected**	**200**	**J***	**100**
67-75-9	N-Nitrosodimethylamine	Not Detected	50		10
621-64-7	**N-Nitrosodi-n-propylamine**	**Not Detected**	**20**		**10**
86-30-6	N-Nitrosodiphenylamine	Not Detected	20		10
87-86-5	**Pentachlorophenol**	**Not Detected**	**500**		**10**
85-01-8	Phenanthrene	Not Detected	10		10
108-95-2	**Phenol**	**1200**	**100**		**10**
129-00-0	Pyrene	Not Detected	10		10

RLs raised due to matrix interference.
Result(s) and RL(s) are estimated for base/neutral compounds due to low surrogate recovery.
*Results estimated due to interference with internal standard from methylethyl phenol.

Pesticides, Hydrocarbons, and PCBs

Analytical Method: 608 **Date Tested:** 09/18/2008 **Analyst:** MF
Extraction Method: 3510 **Extraction Date:** 09/10/2008 **Qualifier:** **Volume:** 1000

CAS #	Compound	Result ug/L	RL	Qualifier	Dilution Factor
SURROGATE	#Decachlorobiphenyl#	49.1			
SURROGATE	**#Tetrachloro-m-xylene#**	**83.2**		**9**	
634-66-2	1,2,3,4-Tetrachlorobenzene	Not Detected	0.01		1.0

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Sample Number: AB22859 LEACHATE

Pesticides, Hydrocarbons, and PCBs

Analytical Method: 608 **Date Tested:** 09/18/2008 **Analyst:** MF
Extraction Method: 3510 **Extraction Date:** 09/10/2008 **Qualifier:** **Volume:** 1000

CAS #	Compound	Result ug/L	RL	Qualifier	Dilution Factor
95-94-3	1,2,4,5-Tetrachlorobenzene	Not Detected	0.01		1.0
72-54-8	4,4'-DDD	Not Detected	0.05		1.0
72-55-9	4,4'-DDE	Not Detected	0.01		1.0
50-29-3	4,4'-DDT	Not Detected	0.02	K	1.0
319-84-6	a-BHC	Not Detected	0.04	K	1.0
5103-71-9	a-Chlordane	Not Detected	0.03	K	1.0
309-00-2	Aldrin	Not Detected	0.01		1.0
12674-11-2	Aroclor 1016	Not Detected	0.33	K	1.0
11104-28-2	Aroclor 1221	Not Detected	0.33	K	1.0
11141-16-5	Aroclor 1232	0.32	0.10	JD 2	1.0
53469-21-9	Aroclor 1242	Not Detected	0.33	K	1.0
12672-29-6	Aroclor 1248	Not Detected	0.33	K	1.0
11097-69-1	Aroclor 1254	Not Detected	0.10		1.0
11096-82-5	Aroclor 1260	Not Detected	0.10		1.0
37324-23-5	Aroclor 1262	Not Detected	0.10		1.0
11100-14-4	Aroclor 1268	Not Detected	0.10		1.0
319-85-7	b-BHC	Not Detected	0.01		1.0
319-86-8	d-BHC	Not Detected	0.03	K	1.0
60-57-1	Dieldrin	Not Detected	0.01		1.0
959-98-8	Endosulfan I	Not Detected	0.01		1.0
72-20-8	Endrin	Not Detected	0.01		1.0
58-89-9	g-BHC (Lindane)	Not Detected	0.01		1.0
5103-74-2	g-Chlordane	Not Detected	0.01		1.0
76-44-8	Heptachlor	Not Detected	0.01		1.0
1024-57-3	Heptachlor Epoxide	Not Detected	0.04	K	1.0
87-82-1	Hexabromobenzene	Not Detected	0.01		1.0
118-74-1	Hexachlorobenzene	Not Detected	0.08	K	1.0
87-68-3	Hexachlorobutadiene	Not Detected	0.01		1.0
77-47-4	Hexachlorocyclopentadiene	Not Detected	0.01		1.0
72-43-5	Methoxychlor	Not Detected	0.05		1.0
2385-85-5	Mirex	Not Detected	0.01		1.0
59080-40-9	PBB (BP-6)	Not Detected	0.05		1.0
608-93-5	Pentachlorobenzene	Not Detected	0.01		1.0
82-68-8	Pentachloronitrobenzene	Not Detected	0.01		1.0
8001-35-2	Toxaphene	Not Detected	1	K	10

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Sample AB22859 LEACHATE

CAS#	Analyte Name	Result	Unit	RL	Qualifier	Date Tested	Method	Analyst
	BOD - Carbonaceous 5 days	Lab Accident	mg/L	2		09/10/2008	405.1	GW
	Lab accident; BOD-C5 set but not read on day 5 of incubation.							
	BOD - Total 5 days	**83**	**mg/L**	**2**		**09/10/2008**	**405.1**	**GW**
7440-70-2	Calcium - Total	142	mg/L	1	D	09/16/2008	7140/215.1	LAV
7439-95-4	**Magnesium - Total**	**ND**	**mg/L**	**1**		**09/16/2008**	**7450/242.1**	**LAV**
7440-09-7	Potassium - Total	240	mg/L	0.1	D	09/16/2008	7610/258.1	LAV
7440-23-5	**Sodium - Total**	**167**	**mg/L**	**1**	**D**	**09/16/2008**	**7770/273.1**	**LAV**
CN_TOTAL	Cyanide	.01	mg/L	0.005		09/10/2008	9010/335.2	RG
	COD	**350**	**mg/L**	**5**	**D P**	**09/12/2008**	**410**	**MB**
	Digestion Metals Water	Completed				09/10/2008	3010/200	TK2
TDS	**Solids - Total Dissolved**	**1400**	**mg/L**	**20**		**09/11/2008**	**160.1**	**GW**
	GN bottle pH=10							
	Hardness - Calculated	355	mg/L	5		09/17/2008	Calculated	LV
	Digestion Mercury Water	**Completed**				**09/15/2008**	**7470/245.1**	**TK2**
7439-97-6	Mercury - Total	.3	µg/L	0.2		09/18/2008	7470/245.1	TS
	KN TP - Digestion	**Completed**				**09/11/2008**	**351.2**	**DS1**
TKN	Total Kjeldahl Nitrogen	17	mg N/L	2	D P	09/11/2008	351.2	DS1
7723-14-0	**Total Phosphorus**	**.22**	**mg P/L**	**0.2**	**D P**	**09/11/2008**	**365.4**	**DS1**
7429-90-5	Aluminium - Total	1500	µg/L	50	D	09/12/2008	6020/200.8	KS
7440-36-0	**Antimony - Total**	**ND**	**µg/L**	**1**		**09/11/2008**	**6020/200.8**	**KS**
7440-38-2	Arsenic - Total	7.7	µg/L	1		09/11/2008	6020/200.8	KS
7440-39-3	**Barium - Total**	**260**	**µg/L**	**5**		**09/11/2008**	**6020/200.8**	**KS**
7440-41-7	Beryllium - Total	ND	µg/L	1		09/11/2008	6020/200.8	KS
7440-43-9	**Cadmium - Total**	**0.25**	**µg/L**	**0.2**		**09/11/2008**	**6020/200.8**	**KS**
7440-47-3	Chromium - Total	ND	µg/L	1		09/11/2008	6020/200.8	KS
7440-48-4	**Cobalt - Total**	**ND**	**µg/L**	**15**		**09/11/2008**	**6020/200.8**	**KS**
7440-50-8	Copper - Total	1.6	µg/L	1		09/11/2008	6020/200.8	KS
7439-92-1	**Lead - Total**	**1.4**	**µg/L**	**1**		**09/11/2008**	**6020/200.8**	**KS**
7439-96-5	Manganese - Total	ND	µg/L	5		09/11/2008	6020/200.8	KS
7439-98-7	**Molybdenum - Total**	**130**	**µg/L**	**25**		**09/11/2008**	**6020/200.8**	**KS**
7440-02-0	Nickel - Total	160	µg/L	2.0		09/11/2008	6020/200.8	KS
7782-49-2	**Selenium - Total**	**1.5**	**µg/L**	**1**		**09/15/2008**	**6020/200.8**	**KS**
7440-22-4	Silver -Total	ND	µg/L	0.2		09/11/2008	6020/200.8	KS
7440-24-6	**Strontium - Total**	**1800**	**µg/L**	**5**	**D**	**09/11/2008**	**6020/200.8**	**KS**
7440-28-0	Thallium - Total	ND	µg/L	2		09/11/2008	6020/200.8	KS
7440-32-6	**Titanium - Total**	**ND**	**µg/L**	**10**		**09/11/2008**	**6020/200.8**	**KS**
7440-62-2	Vanadium - Total	7.3	µg/L	2		09/11/2008	6020/200.8	KS
7440-66-6	**Zinc - Total**	**ND**	**µg/L**	**10**		**09/11/2008**	**6020/200.8**	**KS**
7440-42-8	Boron - Total	86	µg/L	20		09/11/2008	6010/200.7	EG
7439-89-6	**Iron - Total**	**ND**	**µg/L**	**20**		**09/11/2008**	**6010/200.7**	**EG**
7439-93-2	Lithium - Total	180	µg/L	10		09/11/2008	6010/200.7	EG
7664-41-7	**Ammonia**	**9.5**	**mg N/L**	**0.01**	**P**	**09/11/2008**	**350.1**	**RA**
7727-37-9	Nitrate + Nitrite	ND	mg N/L	0.2	D P	09/11/2008	353.2	RA
	Oil and Grease	**11**	**mg/L**	**10**		**09/11/2008**	**1664**	**WN**
14797650	Nitrite	ND	mg N/L	0.02	I	09/10/2008	353.3	TK

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ug / L : microgram / liter (ppb)
mg / L : milligram / liter (ppm)
ug / Kg : microgram / kilogram (ppb)
mg / Kg : milligram / kilogram (ppm)

Laboratory Contacts
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Organic Unit Mgr: Carol Smith
Systems Mgmt Unit: George Krisztian

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	Sample had pH11 at 1/2 dilution.							
7723-14-0	Ortho-phosphate	ND	mg P/L	0.02	I	09/10/2008	365.1	TK
	Sample had pH11 at 1/2 dilution.							
	Phenolics	14000	µg/L	10	D	09/11/2008	9066/420.2	MB
	Phenolics - Distillation	Completed				09/11/2008	9066/420.2	MB
	Conductance	3870	umhos/cm			09/12/2008	120.1	JB
	pH	12.69	pH		H	09/11/2008	150.1	TK2
	Solids - Suspended	ND	mg/L	4		09/10/2008	160.2	GW
7440-44-0	TOC	93	mg/L	0.5	D P	09/11/2008	415.1	MB
	Priority 1 Costs	Completed				09/15/2008		SG
	Silica Gel Cleanup	Completed				09/17/2008	3630	DT
	Florisil Cleanup	Completed				09/12/2008	3620	RD
	Gel Permeation Cleanup	Completed				09/11/2008	3640	DT

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Qualifier Code	Qualifier Description
1	Result(s) and RL(s) are estimated due to low surrogate recovery.
2	Result is estimated due to high surrogate recovery.
3	Result(s) and RL(s) are estimated due to low matrix spike recovery.
4	Result is estimated due to high matrix spike recovery.
5	Result and RL are estimated due to low continuing calibration standard criteria failure.
6	Result is estimated due to high continuing calibration standard criteria failure.
7	Result(s) and RL(s) are estimated due to poor precision.
8	Result(s) and RL(s) are estimated due to low recovery of batch QC.
9	Result outside QC acceptance criteria.
A	Value reported is the mean of two or more determinations.
C	Value calculated from other independent parameters.
D	Analyte value quantified from a dilution(s); reporting limit (RL) raised.
E	Result is estimated due to high recovery of batch QC.
F	Amenable cyanide was not analyzed due to low level of total cyanide.
G	Result and RL are estimated due to initial calibration standard criteria failure.
H	Recommended laboratory holding time was exceeded.
I	Dilution required due to matrix interference; reporting limit (RL) raised.
J	Analyte was positively identified. Value is an estimate.
JA	Result is estimated due to multiple Aroclors present.
JC	Result is estimated since confirmation analysis did not meet acceptance criteria
JD	Due to severe degradation, specific Aroclor identification is difficult and quantitation is estimated.
K	RL(s) raised due to matrix interferences.
KR	RL(s) raised due to low sample volume submitted.
KS	RL(s) raised due to low total solids.
KW	RL(s) raised due to light sample weight.
LB	Reported library search compounds are tentative identifications with estimated concentrations.
M	The level of the method preparation blank (MPB) is reported in the qualifier column.
N	Non-homogeneous sample made analysis of sample questionable.
O	Result and RL estimated due to analysis from an open vial.
P	Recommended sample collection/preservation technique not used; reported result(s) is an estimate.
Q	Quantity of sample insufficient to perform analyses requested.
R	Result confirmed by re-extraction and analysis.
S	Supernatant analyzed.
T	Reported value is less than the reporting limit (RL). Result is estimated.
V	Value not available due to dilution.
W	Reported value is less than the method detection limit (MDL).
X	Methods 8260 & 624 are used to analyze volatile organics that have boiling points below 200°C. 2-Methylnaphthalene & naphthalene have boiling points above 200°C and are better suited to analysis by methods 8270 or 625 as semivolatile organics.
PI	Possible interference may have affected the accuracy of the laboratory result
Z	Result reported below the RL to meet the TDL in RRD Op Memo 2 (10/22/04) multiplied by applicable dilution factor.

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