

US EPA ARCHIVE DOCUMENT

Volatile Organics - Method 8260A µg/kg

	CAS No.	<u>OG-04</u>	<u>OG-06</u>	<u>OC-02</u>	<u>GL-01</u>	Central Tendency	High End
Acetone	67641	2,000 <	10 <	50	360	605	2,000
Allyl chloride	107051	8 J	4 <	13* <	12*	5.8	8
2-Butanone	78933	120 <	3 <	13 <	12	36.9	120
Carbon disulfide	75150 <	3 <	3 <	13	34	13.0	34
Chloroform	67663 J	3 J	4 <	13	560	144.8	560
1,2-Dichloroethane	107062	9 J	3 <	13	530	138.7	530
2-Hexanone	591786 J	3 <	3 <	13* <	12*	2.5	2.5
Methylene chloride	75092 <	5 <	5 <	25	43	19.5	43
Tetrachloroethene	127184 <	3 <	3 <	13 J	18	9.0	18
Trichloroethene	79016 J	3 <	3 <	13* <	12*	2.7	2.8
Vinyl acetate	108054 J	5	7 <	13* <	12*	5.9	7
Vinyl chloride	75014 <	5 <	5 <	25* J	15	8.3	15

TCLP Volatile Organics - Methods 1311 and 8260A µg/L

	CAS No.	<u>OG-04</u>	<u>OG-06</u>	<u>OC-02</u>	<u>GL-01</u>	Central Tendency	High End
Acetone	67641 B	670 B	330 B	23 B	91	278.5	670
2-Butanone	78933	28 <	3 <	3	7	10.0	28
Carbon disulfide	75150 <	3 <	3 <	3	7	3.7	7.2
Chloroform	67663 <	3 <	3 <	3	32	9.9	32
1,2-Dichloroethane	107062 <	3 J	3 J	5	36	11.5	36
cis-1,3-Dichloropropene	10061015 J	4 <	3 <	3 <	3	2.8	3.8
4-Methyl-2-pentanone	108101 <	3 <	3 JB	4 JB	4	3.1	3.7
Methylene chloride	75092	44	23 JB	8 JB	10	21.1	44

Semivolatile Organics - Method 8270B µg/kg

	CAS No	<u>OG-04</u>	<u>OG-06</u>	<u>OC-02</u>	<u>GL-01</u>	Central Tendency	High End
Benzoic acid	65850 J	190 <	650* <	650* <	6500*	190	190
Bis(2-chloroethyl)ether	111444 <	330	800 <	330 <	3300*	487	800
Bis(2-ethylhexyl)phthalate	117817 J	140	1,870 J	1,200 J	5,900	2,278	5,900
Hexachlorobenzene	118741 J	110 <	325* <	330* <	3300*	110	110

TCLP Semivolatile Organics - Methods 1311 and 8270B µg/L

	CAS No.	<u>OG-04</u>	<u>OG-06</u>	<u>OC-02</u>	<u>GL-01</u>	Central Tendency	High End
Benzoic acid	65850	108 <	10	40	38	49.0	108
Bis(2-chloroethyl)ether	111444 <	5	12 <	5 <	5	6.8	12
4-Methylphenol	106445 <	5 <	5 <	5	42	14.3	42

Total Metals - Methods 6010, 7471 mg/kg

	CAS No.	<u>OG-04</u>	<u>OG-06</u>	<u>OC-02</u>	<u>GL-01</u>	Central Tendency	High End
Aluminum	7429905	291	209	579	29,500	7,644.8	29,500
Arsenic	7440382	6	7	< 1	27	10.0	27
Barium	7440393	< 10	43	98	68	54.7	98
Cadmium	7440439	< 0	1	< 0	0	0.3	0.63
Calcium	7440702	214,000	13,200	17,300	4,380	62,220	214,000
Chromium	7440473	12	70	25	287	98.5	287
Cobalt	7440484	< 3	10	< 2	2	4.3	10.4
Copper	7440508	55	141	129	4,080	1,101	4,080
Iron	7439896	6,940	158,000	40,200	8,390	53,383	158,000
Lead	7439921	2	13	2	4	5.0	13.0
Magnesium	7439954	< 250	2,730	4,040	1,080	2,024.9	4,040
Manganese	7439965	133	663	324	75	298.7	663
Molybdenum	7439987	< 1	< 1	< 1	3	1.4	2.8
Nickel	7440020	32	80	34	120	66.3	120
Potassium	7440097	< 250	< 250	< 250	250	ND	ND
Sodium	7440235	2,740	2,830	9,460	2,160	4,297.5	9,460
Vanadium	7440622	15	9	< 2	2	7.1	15
Zinc	7440666	56	688	89	149	245.4	688

TCLP Metals - Methods 1311, 6010, and 7470 mg/L

	CAS No.	<u>OG-04</u>	<u>OG-06</u>	<u>OC-02</u>	<u>GL-01</u>	Central Tendency	High End
Arsenic	7440382	14	5	< 5	53	19.3	53
Calcium	7440702	848	588	413	204	513.3	848
Cobalt	7440484	< 0	0	< 0	0	0.0	0.07
Copper	7440508	0	< 0	< 0	22	5.7	22.3
Magnesium	7439954	3	136	154	22	78.7	154
Manganese	7439965	2	13	1	2	4.4	12.9
Molybdenum	7439987	< 0	0	< 0	0	0.1	0.22
Nickel	7440020	0	1	< 0	1	0.6	1.3
Potassium	7440097	9	5	4	4	5.6	9.3
Zinc	7440666	< 1	4	< 1	1	1.8	4.0

Dioxins/Furans - Method 1613 ng/kg

	CAS No.	OG-04	OG-06	OC-02	GL-01	Central Tendency	High End
2,3,7,8-TCDF	51207319	1	< 3	8	145	Dioxin congener concentrations in Sample OG-04 were used to represent central tendency congener concentrations (non-detects were treated as zero).	Dioxin congener concentrations in Sample GL-01 were used to represent high end congener concentrations (non-detects were treated as zero).
2,3,7,8-TCDD	1746016	< 0	< 1	< 0	39		
1,2,3,7,8-PeCDF	57117416	8	21	28	< 1		
2,3,4,7,8-PeCDF	57117314	11	23	12	127		
1,2,3,7,8-PeCDD	40321764	< 1	< 3	< 1	< 40		
1,2,3,4,7,8-HxCDF	67562394	108	107	65	1,425		
1,2,3,6,7,8-HxCDF	57117449	84	< 16	14	< 300*		
2,3,4,6,7,8-HxCDF	60851345	72	33	7	648		
1,2,3,7,8,9-HxCDF	72918219	39	< 40	16	< 140*		
1,2,3,4,7,8-HxCDD	39227286	8	< 3	< 1	< 20*		
1,2,3,6,7,8-HxCDD	57653857	8	< 3	< 1	83		
1,2,3,7,8,9-HxCDD	19408743	6	< 3	< 1	62		
1,2,3,4,6,7,8-HpCDF	67562394	2,100	46	38	20,700		
1,2,3,4,7,8,9-HpCDF	55673897	413	50	24	13,500		
1,2,3,4,6,7,8-HpCDD	35822469	234	15	3	777		
OCDF	39001020	10,800	648	62	212,000		
OCDD	3268879	2,220	297	41	6,480		

TCLP Dioxins/Furans - Methods 1311, 1613 ng/L

	CAS No.	OG-04	OG-06	OC-02	GL-01	Central Tendency	High End
Total TCDF	55722275	0.015	< 0.006	< 0.005	0.049	Dioxin congener concentrations in Sample OG-04 were used to represent central tendency congener concentrations (non-detects were treated as zero).	Dioxin congener concentrations in Sample GL-01 were used to represent high end congener concentrations (non-detects were treated as zero).
Total HxCDF	55684941	< 0.027	< 0.031	< 0.026	0.07		
1,2,3,4,6,7,8-HpCDF	67562394	0.083	< 0.031	< 0.026	1.1		
1,2,3,4,7,8,9-HpCDF	55673897	< 0.027	< 0.031	< 0.026	0.4		
Total HpCDF	38998753	0.083	< 0.031	< 0.026	2.2		
OCDF	39001020	0.5	< 0.06	< 0.05	99		
OCDD	3268879	< 0.055	< 0.06	< 0.05	0.2		

General Chemistry mg/kg

	CAS No.	OG-04	OG-06	OC-02	GL-01	Central Tendency	High End
TOC	NA	NA	NA	3,700	67,900	35,800	67,900
Oil & Grease	NA	NA	NA	680	974	827	974

Note: Central tendency concentration is the average concentration and the high-end concentration is the maximum detected value except for dioxins. Samples OG-04 and GL-01 represent central tendency and high end concentrations, respectively, for dioxins.

J = Compound's concentration is estimated. Mass spectral data indicate the presence of a compound that meets the identification criteria for which the result is less than the laboratory detection limit, but greater than zero.

B = Compound also detected in the associated method blank.

* = Non-Detect values greater than the highest detected concentration have been excluded from the calculations.

< = Non-Detect values are reported as 1/2 the laboratory reporting limit.

All concentrations are reported on a wet-weight basis.