

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF081418\
 Data File : VF059965.D
 Acq On : 15 Aug 2018 1:37
 Operator : VA/AP
 Sample : J3762-03
 Misc : 5.00µg/5mL/MSVOA F/SOIL
 ALS Vial : 46 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 MDL-SOIL-03-QT3-2018

Manual Integrations
 APPROVED

apatel
 8/16/2018 12:19:48 PM

Quant Time: Aug 15 12:06:12 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F081418S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 15 09:20:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.07	168	125481	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	5.79	114	176214	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.94	117	182355	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.65	152	119791	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.04	65	112832	51.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.86%	
35) Dibromofluoromethane	4.32	113	89053	50.43	ug/l	0.01
Spiked Amount	50.000		Recovery	=	100.86%	
50) Toluene-d8	7.74	98	193538	49.70	ug/l	0.01
Spiked Amount	50.000		Recovery	=	99.40%	
62) 4-Bromofluorobenzene	11.52	95	107931	50.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.92%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.99	85	4630	2.49	ug/l	99
3) Chloromethane	1.08	50	2186	2.76	ug/l	95
4) Vinyl Chloride	1.15	62	2169	2.38	ug/l #	84
5) Bromomethane	1.34	94	2216	2.71	ug/l	83
6) Chloroethane	1.43	64	1357	2.30	ug/l	89
7) Trichlorofluoromethane	1.54	101	5727	2.15	ug/l #	72
8) Diethyl Ether	1.71	74	476	1.30	ug/l	82
9) 1,1,2-Trichlorotrifluoroet	1.90	101	3194	2.38	ug/l	97
10) Methyl Iodide	1.97	142	5274	2.52	ug/l #	95
11) Tert butyl alcohol	2.69	59	1403	16.10	ug/l #	64
12) 1,1-Dichloroethene	1.86	96	2423	2.44	ug/l #	72
14) Allyl chloride	2.20	41	3575	2.53	ug/l	93
15) Acrylonitrile	3.09	53	2003	15.16	ug/l	87
16) Acetone	2.35	43	6676	15.33	ug/l #	82
17) Carbon Disulfide	1.88	76	6124	2.40	ug/l	99
18) Methyl Acetate	2.46	43	1927	3.18	ug/l #	85
19) Methyl tert-butyl Ether	2.54	73	7180	2.51	ug/l #	77
20) Methylene Chloride	2.29	84	5994m	1.54	ug/l	
21) trans-1,2-Dichloroethene	2.43	96	2482	2.57	ug/l #	87
22) Diisopropyl ether	2.94	45	7761	2.38	ug/l #	97
23) Vinyl Acetate	3.35	43	15848	9.81	ug/l #	94
24) 1,1-Dichloroethane	3.02	63	5079	2.21	ug/l #	89
25) 2-Butanone	4.52	43	5328	12.10	ug/l	99
26) 2,2-Dichloropropane	3.79	77	2888	1.93	ug/l #	77
27) cis-1,2-Dichloroethene	3.66	96	2063	1.93	ug/l	27
28) Bromochloromethane	3.92	49	2050	2.39	ug/l	92
29) Tetrahydrofuran	4.27	42	2677	17.70	ug/l #	66
30) Chloroform	4.06	83	7085	2.24	ug/l	90
31) Cyclohexane	3.87	56	2871	2.50	ug/l #	81
32) 1,1,1-Trichloroethane	4.31	97	5331	2.05	ug/l #	85
36) 1,1-Dichloropropene	4.48	75	4687	2.39	ug/l #	87
38) Carbon Tetrachloride	4.19	117	6618	2.03	ug/l #	79
39) Methylcyclohexane	5.64	83	2620	1.84	ug/l	94
40) Benzene	4.83	78	7500	2.26	ug/l #	87

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

42) 1,2-Dichloroethane	5.14	62	5304	2.01	ug/l #	86
43) Isopropyl Acetate	7.14	43	2395	2.62	ug/l	92
44) Trichloroethene	5.70	130	2795	2.19	ug/l	72
45) 1,2-Dichloropropane	6.42	63	2293	2.62	ug/l	89
46) Dibromomethane	6.26	93	1849	2.14	ug/l #	61
47) Bromodichloromethane	6.57	83	5167	2.07	ug/l	95
48) Methyl methacrylate	6.89	41	1273	1.87	ug/l #	82
51) 4-Methyl-2-Pentanone	8.43	43	9781	11.06	ug/l	97
52) Toluene	7.80	92	6056	2.47	ug/l	98
53) t-1,3-Dichloropropene	8.45	75	4324	2.12	ug/l	95
54) cis-1,3-Dichloropropene	7.48	75	3685	1.88	ug/l #	68
55) 1,1,2-Trichloroethane	8.66	97	1960	2.34	ug/l #	83
56) Ethyl methacrylate	8.78	69	1945	2.16	ug/l #	87
57) 1,3-Dichloropropane	9.02	76	3307	2.14	ug/l #	84
58) 2-Chloroethyl Vinyl ether	7.80	63	1295	10.68	ug/l	100
59) 2-Hexanone	9.65	43	7419	11.50	ug/l	98
60) Dibromochloromethane	8.88	129	3510	2.11	ug/l	91
61) 1,2-Dibromoethane	9.15	107	2649	2.53	ug/l #	58
64) Tetrachloroethene	8.32	164	3065	2.16	ug/l #	93
65) Chlorobenzene	9.97	112	7929	2.25	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.08	131	3136	1.84	ug/l	92
67) Ethyl Benzene	10.05	91	12406	1.99	ug/l #	81
68) m/p-Xylenes	10.29	106	8890	4.25	ug/l	82
69) o-Xylene	10.84	106	3631	1.60	ug/l	68
70) Styrene	10.92	104	6480	1.93	ug/l	91
71) Bromoform	10.89	173	2290	2.16	ug/l	81
73) Isopropylbenzene	11.25	105	13283	1.76	ug/l	96
74) N-amyl acetate	11.48	43	3029	1.82	ug/l #	89
75) 1,1,1,2-Tetrachloroethane	11.80	83	2920	2.31	ug/l	90
76) 1,2,3-Trichloropropane	11.91	75	2790	2.55	ug/l	87
77) Bromobenzene	11.61	156	4384	2.22	ug/l	85
78) n-propylbenzene	11.70	91	18912	2.14	ug/l	99
79) 2-Chlorotoluene	11.83	91	11129	2.01	ug/l	83
80) 1,3,5-Trimethylbenzene	11.93	105	12536	1.79	ug/l	96
81) trans-1,4-Dichloro-2-buten	11.98	75	1609	3.61	ug/l #	83
82) 4-Chlorotoluene	12.01	91	12993	2.13	ug/l	84
83) tert-Butylbenzene	12.23	119	13444	1.95	ug/l	93
84) 1,2,4-Trimethylbenzene	12.30	105	13433	1.90	ug/l	96
85) sec-Butylbenzene	12.40	105	16768	1.90	ug/l	96
86) p-Isopropyltoluene	12.55	119	14449	1.86	ug/l	93
87) 1,3-Dichlorobenzene	12.57	146	9073	2.42	ug/l	95
88) 1,4-Dichlorobenzene	12.66	146	8485	2.30	ug/l	97
89) n-Butylbenzene	12.93	91	13984	1.87	ug/l	90
90) Hexachloroethane	13.01	117	4040	2.10	ug/l	88
91) 1,2-Dichlorobenzene	13.03	146	8091	2.22	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	13.72	75	674	1.96	ug/l	84
93) 1,2,4-Trichlorobenzene	14.28	180	6736	2.31	ug/l	89
94) Hexachlorobutadiene	14.26	225	4225	2.03	ug/l	88
95) Naphthalene	14.53	128	10154	2.13	ug/l #	96
96) 1,2,3-Trichlorobenzene	14.68	180	5897	2.12	ug/l	93

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(#) = qualifier out of range (m) = manual integration (+) = signals summed

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