

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD081518\
 Data File : VD059791.D
 Acq On : 15 Aug 2018 5:05
 Operator : VA/AP
 Sample : J3762-01
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2018

Quant Time: Aug 15 17:50:46 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D081518S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 15 16:08:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	288632	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.69	114	373852	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.69	117	319072	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.91	152	170175	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.02	65	206390	55.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.30%	
35) Dibromofluoromethane	5.55	113	186872	57.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	114.72%	
50) Toluene-d8	8.71	98	429394	55.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.30%	
62) 4-Bromofluorobenzene	11.93	95	179408	51.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.80%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.35	85	8641	2.46	ug/l	98
3) Chloromethane	1.49	50	4514	2.34	ug/l	92
4) Vinyl Chloride	1.57	62	4289	2.10	ug/l	95
5) Bromomethane	1.80	94	1996	3.07	ug/l	86
6) Chloroethane	1.90	64	1961	2.30	ug/l #	43
7) Trichlorofluoromethane	2.10	101	6651	2.07	ug/l	89
8) Diethyl Ether	2.35	74	897	1.45	ug/l	55
9) 1,1,2-Trichlorotrifluoroet	2.56	101	3891	2.16	ug/l	90
10) Methyl Iodide	2.70	142	3459	4.64	ug/l #	76
11) Tert butyl alcohol	3.20	59	2150	16.39	ug/l #	74
12) 1,1-Dichloroethene	2.55	96	2286	1.76	ug/l #	85
13) Acrolein	2.48	56	873	25.79	ug/l	83
14) Allyl chloride	2.93	41	7174	2.19	ug/l #	91
15) Acrylonitrile	3.37	53	5764	12.54	ug/l #	88
16) Acetone	2.61	43	7153	12.22	ug/l	93
17) Carbon Disulfide	2.77	76	9286	2.13	ug/l	99
18) Methyl Acetate	2.94	43	3275	2.62	ug/l #	86
19) Methyl tert-butyl Ether	3.42	73	15423	2.43	ug/l	99
20) Methylene Chloride	3.07	84	10419	3.70	ug/l	90
21) trans-1,2-Dichloroethene	3.40	96	6245	2.43	ug/l	93
22) Diisopropyl ether	4.07	45	21065	2.39	ug/l	89
23) Vinyl Acetate	4.03	43	56423	11.29	ug/l	98
24) 1,1-Dichloroethane	3.98	63	13159	2.51	ug/l #	88
25) 2-Butanone	4.84	43	10837	12.10	ug/l	98
26) 2,2-Dichloropropane	4.80	77	11024	2.30	ug/l	93
27) cis-1,2-Dichloroethene	4.81	96	6299	2.24	ug/l	97
28) Bromochloromethane	5.16	49	3771	1.84	ug/l	96
29) Tetrahydrofuran	5.19	42	4081	10.68	ug/l	94
30) Chloroform	5.33	83	14553	2.31	ug/l	97
31) Cyclohexane	5.64	56	15896	4.22	ug/l #	13
32) 1,1,1-Trichloroethane	5.52	97	11986	2.17	ug/l	95
36) 1,1-Dichloropropene	5.75	75	8980	2.34	ug/l	97
37) Ethyl Acetate	4.93	43	5280	2.75	ug/l #	72
38) Carbon Tetrachloride	5.74	117	10592	2.29	ug/l	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.29	83	8183	2.47	ug/l	93
40) Benzene	6.02	78	20369	2.50	ug/l	99
41) Methacrylonitrile	5.13	41	1905	2.08	ug/l #	75
42) 1,2-Dichloroethane	6.13	62	10810	2.46	ug/l	82
43) Isopropyl Acetate	7.63	43	4747	1.96	ug/l	97
44) Trichloroethene	6.99	130	6614	2.37	ug/l	97
45) 1,2-Dichloropropane	7.35	63	5295	2.50	ug/l #	83
46) Dibromomethane	7.47	93	3758	2.17	ug/l #	80
47) Bromodichloromethane	7.75	83	9490	2.24	ug/l	95
48) Methyl methacrylate	7.51	41	3757	2.38	ug/l	94
51) 4-Methyl-2-Pentanone	8.60	43	20475	11.18	ug/l	93
52) Toluene	8.81	92	14044	2.69	ug/l	93
53) t-1,3-Dichloropropene	9.19	75	7630	2.17	ug/l	100
54) cis-1,3-Dichloropropene	8.36	75	8208	2.16	ug/l	89
55) 1,1,2-Trichloroethane	9.46	97	5738	2.98	ug/l #	89
56) Ethyl methacrylate	9.32	69	4341	2.08	ug/l	94
57) 1,3-Dichloropropane	9.67	76	7524	2.50	ug/l	97
58) 2-Chloroethyl Vinyl ether	8.19	63	10528	10.22	ug/l #	90
59) 2-Hexanone	9.79	43	13548	10.32	ug/l	96
60) Dibromochloromethane	9.96	129	5887	2.11	ug/l	89
61) 1,2-Dibromoethane	10.10	107	4809	2.26	ug/l	98
64) Tetrachloroethene	9.51	164	7189	2.62	ug/l	96
65) Chlorobenzene	10.72	112	15993	2.48	ug/l	94
66) 1,1,1,2-Tetrachloroethane	10.85	131	6167	2.37	ug/l	96
67) Ethyl Benzene	10.86	91	28544	2.57	ug/l	99
68) m/p-Xylenes	11.01	106	19811	5.25	ug/l	84
69) o-Xylene	11.40	106	9307	2.57	ug/l	96
70) Stvrene	11.43	104	15224	2.37	ug/l	98
71) Bromoform	11.60	173	3493	1.85	ug/l	93
73) Isopropylbenzene	11.78	105	27570	2.56	ug/l	94
74) N-amyl acetate	11.65	43	7039	2.13	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.08	83	5354	2.45	ug/l	97
76) 1,2,3-Trichloropropane	12.11	75	6262	2.59	ug/l	97
77) Bromobenzene	12.04	156	8356	2.71	ug/l	87
78) n-propylbenzene	12.15	91	36009	2.68	ug/l	90
79) 2-Chlorotoluene	12.22	91	21505	2.65	ug/l	81
80) 1,3,5-Trimethylbenzene	12.32	105	24357	2.82	ug/l	94
81) trans-1,4-Dichloro-2-buten	11.93	75	90656	160.48	ug/l #	1
82) 4-Chlorotoluene	12.33	91	24889	2.71	ug/l	98
83) tert-Butylbenzene	12.57	119	22397	2.35	ug/l	92
84) 1,2,4-Trimethylbenzene	12.62	105	22806	2.45	ug/l	98
85) sec-Butylbenzene	12.76	105	27314	2.47	ug/l	99
86) p-Isopropyltoluene	12.89	119	23336	2.52	ug/l	90
87) 1,3-Dichlorobenzene	12.84	146	14584	2.64	ug/l	95
88) 1,4-Dichlorobenzene	12.93	146	15023	2.74	ug/l	96
89) n-Butylbenzene	13.19	91	25151	2.69	ug/l	98
90) Hexachloroethane	13.40	117	4485	1.93	ug/l	76
91) 1,2-Dichlorobenzene	13.19	146	12208	2.69	ug/l	92
92) 1,2-Dibromo-3-Chloropropan	13.77	75	713	1.83	ug/l	67
93) 1,2,4-Trichlorobenzene	14.34	180	10192	2.68	ug/l	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	14.43	225	6843	2.44	ug/l	91
95) Naphthalene	14.52	128	13412	2.31	ug/l #	92
96) 1,2,3-Trichlorobenzene	14.66	180	8079	2.41	ug/l	88

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

