

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD101420\
 Data File : VD067265.D
 Acq On : 14 Oct 2020 12:32
 Operator : VA/SY
 Sample : L4214-03 2.5PPBMDL
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 MDL-SOIL-03-QT4-2020

Manual Integrations
 APPROVED

MMDadoda
 10/15/2020 12:18:48 PM

Quant Time: Oct 15 07:54:24 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D101320S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 14 03:30:30 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	245736	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	397800	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	386716	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	195747	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.33	65	148817	60.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	120.90%	
35) Dibromofluoromethane	7.92	113	138730	52.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.80%	
50) Toluene-d8	10.34	98	475939	49.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.36%	
62) 4-Bromofluorobenzene	12.64	95	171379	51.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.88%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.99	85	6756	3.031	ug/l	90
3) Chloromethane	2.21	50	5170	3.343	ug/l #	70
4) Vinyl Chloride	2.35	62	5617	3.310	ug/l	91
5) Bromomethane	2.77	94	4905	3.739	ug/l	98
6) Chloroethane	2.91	64	3499	3.311	ug/l	93
7) Trichlorofluoromethane	3.27	101	13980	3.272	ug/l	94
8) Diethyl Ether	3.71	74	2993	3.061	ug/l	66
9) 1,1,2-Trichlorotrifluoroet	4.09	101	7402	3.261	ug/l	91
10) Methyl Iodide	4.30	142	5777	2.759	ug/l #	93
11) Tert butyl alcohol	5.22	59	5742m	32.115	ug/l	
12) 1,1-Dichloroethene	4.07	96	6044	2.980	ug/l #	68
13) Acrolein	3.94	56	2292m	17.991	ug/l	
14) Allyl chloride	4.71	41	7402	3.187	ug/l #	58
15) Acrylonitrile	5.43	53	6154m	18.863	ug/l	
16) Acetone	4.16	43	7642	22.164	ug/l #	70
17) Carbon Disulfide	4.41	76	18502	3.200	ug/l #	94
18) Methyl Acetate	4.73	43	4965	6.313	ug/l #	69
19) Methyl tert-butyl Ether	5.49	73	13212	3.276	ug/l #	91
20) Methylene Chloride	4.97	84	13537	5.207	ug/l #	95
21) trans-1,2-Dichloroethene	5.48	96	7168	3.071	ug/l	91
22) Diisopropyl ether	6.37	45	12867	3.033	ug/l #	82
23) Vinyl Acetate	6.31	43	30929	12.813	ug/l	97
24) 1,1-Dichloroethane	6.27	63	11323	3.118	ug/l	97
25) 2-Butanone	7.21	43	7693	19.574	ug/l	95
26) 2,2-Dichloropropane	7.21	77	12304	3.287	ug/l	83
27) cis-1,2-Dichloroethene	7.21	96	8263	3.230	ug/l	98
28) Bromochloromethane	7.55	49	4696m	3.791	ug/l	
29) Tetrahydrofuran	7.57	42	4367	19.989	ug/l	93
30) Chloroform	7.71	83	13685	3.154	ug/l	85
31) Cyclohexane	7.98	56	12135	4.280	ug/l #	68
32) 1,1,1-Trichloroethane	7.91	97	13033	3.062	ug/l	89
36) 1,1-Dichloropropene	8.11	75	10505	3.116	ug/l	93
37) Ethyl Acetate	7.30	43	3980	4.012	ug/l #	69
38) Carbon Tetrachloride	8.10	117	12165	2.823	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	9416	2.671	ug/l #	85
40) Benzene	8.36	78	27244	2.945	ug/l	96
41) Methacrylonitrile	7.53	41	2749	5.128	ug/l #	58
42) 1,2-Dichloroethane	8.43	62	9694	3.349	ug/l	98
43) Isopropyl Acetate	8.46	43	6504	3.304	ug/l #	76
44) Trichloroethene	9.11	130	9262	3.127	ug/l	80
45) 1,2-Dichloropropane	9.39	63	5948	2.775	ug/l	94
46) Dibromomethane	9.48	93	4501	3.370	ug/l	93
47) Bromodichloromethane	9.66	83	10928	3.054	ug/l	92
48) Methyl methacrylate	9.46	41	3581	3.744	ug/l	87
49) 1,4-Dioxane	9.47	88	1137	80.879	ug/l #	73
51) 4-Methyl-2-Pentanone	10.23	43	15524	15.812	ug/l	94
52) Toluene	10.41	92	18800	2.984	ug/l	97
53) t-1,3-Dichloropropene	10.63	75	10175	3.237	ug/l	100
54) cis-1,3-Dichloropropene	10.09	75	11366	3.090	ug/l	93
55) 1,1,2-Trichloroethane	10.80	97	6544	3.593	ug/l #	89
56) Ethyl methacrylate	10.66	69	6024	3.189	ug/l	97
57) 1,3-Dichloropropane	10.95	76	9765	3.369	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.94	63	14528	14.993	ug/l	100
59) 2-Hexanone	10.99	43	11474	17.103	ug/l	96
60) Dibromochloromethane	11.15	129	8685	3.270	ug/l	99
61) 1,2-Dibromoethane	11.24	107	6225	3.467	ug/l	98
64) Tetrachloroethene	10.88	164	8615	3.075	ug/l #	85
65) Chlorobenzene	11.67	112	22524	3.037	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.74	131	7969	2.704	ug/l	87
67) Ethyl Benzene	11.75	91	32870	2.586	ug/l #	84
68) m/p-Xylenes	11.86	106	25066	5.121	ug/l	94
69) o-Xylene	12.19	106	11729	2.587	ug/l	88
70) Styrene	12.20	104	19408	2.487	ug/l	97
71) Bromoform	12.36	173	5027	3.175	ug/l #	94
73) Isopropylbenzene	12.48	105	30254	2.435	ug/l	98
74) N-amyl acetate	12.30	43	5837	3.111	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.73	83	5523	2.901	ug/l	92
76) 1,2,3-Trichloropropane	12.79	75	3901m	2.875	ug/l	
77) Bromobenzene	12.77	156	8901	2.874	ug/l	91
78) n-propylbenzene	12.83	91	39667	2.756	ug/l	99
79) 2-Chlorotoluene	12.91	91	21631	2.591	ug/l	94
80) 1,3,5-Trimethylbenzene	12.97	105	26994	2.500	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	1739m	2.907	ug/l	
82) 4-Chlorotoluene	13.01	91	23041	2.601	ug/l	99
83) tert-Butylbenzene	13.23	119	22439	2.461	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	26160	2.452	ug/l	96
85) sec-Butylbenzene	13.41	105	31315	2.503	ug/l	98
86) p-Isopropyltoluene	13.52	119	28786	2.437	ug/l	98
87) 1,3-Dichlorobenzene	13.52	146	18829	3.158	ug/l	95
88) 1,4-Dichlorobenzene	13.60	146	18466	3.126	ug/l	82
89) n-Butylbenzene	13.85	91	26050	2.507	ug/l	97
90) Hexachloroethane	14.12	117	5690	2.761	ug/l	94
91) 1,2-Dichlorobenzene	13.90	146	16304	3.131	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	14.51	75	1116	3.227	ug/l	76

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	10763	3.065	ug/l	96
94) Hexachlorobutadiene	15.28	225	6631	3.041	ug/l	98
95) Naphthalene	15.41	128	18163	3.151	ug/l	98
96) 1,2,3-Trichlorobenzene	15.61	180	9324	3.074	ug/l	98

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

