

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD050820\
 Data File : VD065721.D
 Acq On : 08 May 2020 13:23
 Operator : VA/SY
 Sample : L2182-03 2.5PPBMDL
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 MDL-SOIL-03-QT2-2020DL

Quant Time: May 09 04:20:59 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D050620S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 06 17:01:16 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	383698	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	570753	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	507283	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	245309	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	167535	43.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.18%	
35) Dibromofluoromethane	7.92	113	172481	48.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.70%	
50) Toluene-d8	10.34	98	669266	48.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.72%	
62) 4-Bromofluorobenzene	12.64	95	225835	46.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.00%	

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	1.99	85	7916	2.630	ug/l	94
3) Chloromethane	2.21	50	11747	3.095	ug/l	95
4) Vinyl Chloride	2.35	62	11307	2.940	ug/l	95
5) Bromomethane	2.78	94	8439	3.477	ug/l	81
6) Chloroethane	2.93	64	7899	3.198	ug/l	96
7) Trichlorofluoromethane	3.27	101	17208	2.805	ug/l	91
8) Diethyl Ether	3.71	74	4985	2.594	ug/l	85
9) 1,1,2-Trichlorotrifluoroet	4.10	101	10566	2.837	ug/l	98
10) Methyl Iodide	4.30	142	8870	2.428	ug/l	96
11) Tert butyl alcohol	5.21	59	4074m	11.896	ug/l	
12) 1,1-Dichloroethene	4.06	96	10549	2.882	ug/l	84
13) Acrolein	3.92	56	3523	11.156	ug/l	94
14) Allyl chloride	4.71	41	15881	2.177	ug/l	87
15) Acrylonitrile	5.43	53	10100	11.178	ug/l	96
16) Acetone	4.16	43	9589	11.686	ug/l	99
17) Carbon Disulfide	4.40	76	31117	2.586	ug/l	97
18) Methyl Acetate	4.72	43	6895	3.379	ug/l #	82
19) Methyl tert-butyl Ether	5.49	73	21735	2.449	ug/l #	85
20) Methylene Chloride	4.96	84	16367	3.960	ug/l	87
21) trans-1,2-Dichloroethene	5.46	96	10941m	2.611	ug/l	
22) Diisopropyl ether	6.37	45	30583	2.254	ug/l	93
23) Vinyl Acetate	6.31	43	83886	10.237	ug/l	99
24) 1,1-Dichloroethane	6.26	63	17929	2.412	ug/l	97
25) 2-Butanone	7.22	43	15196	12.485	ug/l	91
26) 2,2-Dichloropropane	7.21	77	17334	2.590	ug/l	96
27) cis-1,2-Dichloroethene	7.21	96	11778	2.591	ug/l	94
28) Bromochloromethane	7.56	49	6298	2.032	ug/l	86
29) Tetrahydrofuran	7.57	42	9095	11.593	ug/l	97
30) Chloroform	7.71	83	18615	2.603	ug/l	96
31) Cyclohexane	7.98	56	25764	3.350	ug/l #	58
32) 1,1,1-Trichloroethane	7.91	97	16832	2.539	ug/l	97
36) 1,1-Dichloropropene	8.11	75	15877	2.801	ug/l	97
37) Ethyl Acetate	7.31	43	5801	2.125	ug/l	96
38) Carbon Tetrachloride	8.10	117	15992	2.846	ug/l #	81

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	20892	2.936	ug/l	89
40) Benzene	8.36	78	39609	2.559	ug/l	94
41) Methacrylonitrile	7.53	41	4483	2.848	ug/l #	78
42) 1,2-Dichloroethane	8.43	62	11330	2.544	ug/l	97
43) Isopropyl Acetate	8.46	43	12785	2.342	ug/l	97
44) Trichloroethene	9.11	130	12984	3.044	ug/l	91
45) 1,2-Dichloropropane	9.39	63	9683	2.419	ug/l #	87
46) Dibromomethane	9.48	93	4909	2.445	ug/l	97
47) Bromodichloromethane	9.66	83	14317	2.666	ug/l	90
48) Methyl methacrylate	9.46	41	5038	1.843	ug/l #	71
49) 1,4-Dioxane	9.47	88	1171	47.572	ug/l #	82
51) 4-Methyl-2-Pentanone	10.23	43	28307	10.761	ug/l	93
52) Toluene	10.40	92	26219	2.678	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	12410	2.282	ug/l	91
54) cis-1,3-Dichloropropene	10.09	75	16405	2.560	ug/l	90
55) 1,1,2-Trichloroethane	10.80	97	7471	2.760	ug/l #	88
56) Ethyl methacrylate	10.67	69	9323	2.385	ug/l	96
57) 1,3-Dichloropropane	10.95	76	11651	2.394	ug/l	94
58) 2-Chloroethyl Vinyl ether	9.94	63	21356	11.901	ug/l	99
59) 2-Hexanone	10.98	43	21027	11.622	ug/l	96
60) Dibromochloromethane	11.14	129	9292	2.555	ug/l	98
61) 1,2-Dibromoethane	11.25	107	6780	2.489	ug/l	94
64) Tetrachloroethene	10.88	164	10664	2.954	ug/l	94
65) Chlorobenzene	11.67	112	27718	2.712	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.74	131	9511	2.496	ug/l	93
67) Ethyl Benzene	11.75	91	50253	2.636	ug/l	99
68) m/p-Xylenes	11.86	106	37946	5.338	ug/l	100
69) o-Xylene	12.18	106	17071	2.574	ug/l	100
70) Styrene	12.20	104	29641	2.599	ug/l	98
71) Bromoform	12.37	173	5514	2.572	ug/l #	99
73) Isopropylbenzene	12.48	105	50123	2.697	ug/l	97
74) N-amyl acetate	12.30	43	11171	2.105	ug/l #	89
75) 1,1,2,2-Tetrachloroethane	12.74	83	7751	2.487	ug/l	95
76) 1,2,3-Trichloropropane	12.79	75	3641m	1.757	ug/l	
77) Bromobenzene	12.77	156	12463	2.924	ug/l	86
78) n-propylbenzene	12.83	91	57218	2.614	ug/l	96
79) 2-Chlorotoluene	12.91	91	32071	2.594	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	40423	2.649	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.54	75	2361m	2.017	ug/l	
82) 4-Chlorotoluene	13.01	91	32167	2.486	ug/l	93
83) tert-Butylbenzene	13.23	119	38012	2.927	ug/l	93
84) 1,2,4-Trimethylbenzene	13.27	105	39050	2.569	ug/l	97
85) sec-Butylbenzene	13.41	105	48352	2.654	ug/l	98
86) p-Isopropyltoluene	13.53	119	44270	2.666	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	22314	2.786	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	22702	2.872	ug/l	90
89) n-Butylbenzene	13.85	91	41163	2.559	ug/l	97
90) Hexachloroethane	14.11	117	8638	2.612	ug/l	99
91) 1,2-Dichlorobenzene	13.90	146	18597	2.690	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	14.51	75	1354	2.585	ug/l	91

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	15012	2.895	ug/l	94
94) Hexachlorobutadiene	15.27	225	9322	3.101	ug/l	97
95) Naphthalene	15.41	128	25875	2.838	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	13769	3.121	ug/l	96

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

