

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD050820\
 Data File : VD065722.D
 Acq On : 08 May 2020 13:50
 Operator : VA/SY
 Sample : L2182-03 4PPBMDL
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

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

Quant Time: May 09 04:24:10 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D050620S.M
 Quant Title : SW846 8260
 QLast Update : Sat May 09 04:11:18 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	367774	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	547363	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	485254	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	240588	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	171743	46.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.24%	
35) Dibromofluoromethane	7.92	113	176403	51.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.14%	
50) Toluene-d8	10.34	98	675938	51.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.90%	
62) 4-Bromofluorobenzene	12.64	95	230521	49.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.00%	

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	1.99	85	12015	4.165	ug/l	87
3) Chloromethane	2.21	50	16455	4.523	ug/l	97
4) Vinyl Chloride	2.34	62	17020	4.617	ug/l	95
5) Bromomethane	2.77	94	12500	5.373	ug/l	94
6) Chloroethane	2.92	64	10850	4.582	ug/l	91
7) Trichlorofluoromethane	3.27	101	23473	3.992	ug/l	90
8) Diethyl Ether	3.71	74	6540	3.550	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.10	101	13435	3.764	ug/l #	87
10) Methyl Iodide	4.31	142	12873	3.677	ug/l	96
11) Tert butyl alcohol	5.20	59	9994m	30.446	ug/l	
12) 1,1-Dichloroethene	4.07	96	15123	4.311	ug/l	89
13) Acrolein	3.93	56	5305	17.526	ug/l #	67
14) Allyl chloride	4.71	41	24540	3.509	ug/l	93
15) Acrylonitrile	5.43	53	14498	16.740	ug/l	96
16) Acetone	4.17	43	15296	19.448	ug/l	98
17) Carbon Disulfide	4.41	76	43333	3.756	ug/l	99
18) Methyl Acetate	4.72	43	8912	4.557	ug/l #	75
19) Methyl tert-butyl Ether	5.48	73	31728	3.730	ug/l #	89
20) Methylene Chloride	4.96	84	22304	5.629	ug/l	91
21) trans-1,2-Dichloroethene	5.47	96	16326	4.065	ug/l	91
22) Diisopropyl ether	6.37	45	45497	3.498	ug/l	97
23) Vinyl Acetate	6.31	43	126238	16.072	ug/l	98
24) 1,1-Dichloroethane	6.27	63	26920	3.779	ug/l	94
25) 2-Butanone	7.22	43	20347	17.440	ug/l	94
26) 2,2-Dichloropropane	7.21	77	24253	3.781	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	17010	3.904	ug/l	92
28) Bromochloromethane	7.55	49	10546	3.549	ug/l #	88
29) Tetrahydrofuran	7.57	42	13445	17.880	ug/l	93
30) Chloroform	7.71	83	26830	3.914	ug/l	99
31) Cyclohexane	7.98	56	31928	4.331	ug/l #	71
32) 1,1,1-Trichloroethane	7.90	97	25352	3.989	ug/l	95
36) 1,1-Dichloropropene	8.12	75	21695	3.991	ug/l	95
37) Ethyl Acetate	7.30	43	8414	3.215	ug/l #	92
38) Carbon Tetrachloride	8.10	117	23378	4.338	ug/l	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	28477	4.173	ug/l	92
40) Benzene	8.36	78	59407	4.002	ug/l	95
41) Methacrylonitrile	7.53	41	7149m	4.735	ug/l	
42) 1,2-Dichloroethane	8.43	62	16564	3.877	ug/l	98
43) Isopropyl Acetate	8.46	43	19104	3.650	ug/l	99
44) Trichloroethene	9.11	130	17441	4.263	ug/l	95
45) 1,2-Dichloropropane	9.40	63	14648	3.815	ug/l	97
46) Dibromomethane	9.48	93	7053	3.662	ug/l	88
47) Bromodichloromethane	9.67	83	20736	4.026	ug/l	99
48) Methyl methacrylate	9.46	41	8667	3.307	ug/l	90
49) 1,4-Dioxane	9.47	88	1766	74.810	ug/l	95
51) 4-Methyl-2-Pentanone	10.23	43	42953	17.027	ug/l	97
52) Toluene	10.41	92	37703	4.016	ug/l	97
53) t-1,3-Dichloropropene	10.63	75	19622	3.762	ug/l	98
54) cis-1,3-Dichloropropene	10.10	75	23406	3.809	ug/l	95
55) 1,1,2-Trichloroethane	10.81	97	10467	4.032	ug/l	94
56) Ethyl methacrylate	10.66	69	14376	3.835	ug/l	92
57) 1,3-Dichloropropane	10.95	76	18152	3.889	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.95	63	31526	18.319	ug/l	100
59) 2-Hexanone	10.99	43	29598	17.059	ug/l	97
60) Dibromochloromethane	11.15	129	13500	3.871	ug/l	98
61) 1,2-Dibromoethane	11.26	107	10615	4.064	ug/l	99
64) Tetrachloroethene	10.88	164	15467	4.479	ug/l	89
65) Chlorobenzene	11.67	112	40926	4.186	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.75	131	14234	3.905	ug/l	95
67) Ethyl Benzene	11.75	91	74342	4.076	ug/l	98
68) m/p-Xylenes	11.86	106	56528	8.314	ug/l	94
69) o-Xylene	12.18	106	25806	4.067	ug/l	94
70) Styrene	12.20	104	44941	4.120	ug/l	97
71) Bromoform	12.37	173	8225	4.010	ug/l #	95
73) Isopropylbenzene	12.48	105	72447	3.974	ug/l	100
74) N-amyl acetate	12.30	43	16668	3.203	ug/l #	91
75) 1,1,2,2-Tetrachloroethane	12.74	83	11724	3.835	ug/l	93
76) 1,2,3-Trichloropropane	12.79	75	5854m	2.881	ug/l	
77) Bromobenzene	12.77	156	17696	4.233	ug/l	90
78) n-propylbenzene	12.83	91	82087	3.824	ug/l	97
79) 2-Chlorotoluene	12.91	91	45128	3.721	ug/l	97
80) 1,3,5-Trimethylbenzene	12.97	105	56657	3.786	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.54	75	3927	3.421	ug/l	94
82) 4-Chlorotoluene	13.01	91	48034	3.785	ug/l	98
83) tert-Butylbenzene	13.23	119	49817	3.911	ug/l	98
84) 1,2,4-Trimethylbenzene	13.28	105	56309	3.777	ug/l	97
85) sec-Butylbenzene	13.41	105	69349	3.881	ug/l	100
86) p-Isopropyltoluene	13.53	119	63315	3.888	ug/l	98
87) 1,3-Dichlorobenzene	13.53	146	31888	4.059	ug/l	97
88) 1,4-Dichlorobenzene	13.60	146	30973	3.996	ug/l	92
89) n-Butylbenzene	13.85	91	60177	3.814	ug/l	100
90) Hexachloroethane	14.12	117	12408	3.826	ug/l	98
91) 1,2-Dichlorobenzene	13.90	146	27389	4.040	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	1761	3.427	ug/l	83

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	21336	4.195	ug/l	98
94) Hexachlorobutadiene	15.28	225	13070	4.434	ug/l	95
95) Naphthalene	15.41	128	34868	3.900	ug/l	98
96) 1,2,3-Trichlorobenzene	15.61	180	16795	3.882	ug/l	96

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

