

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD070820\
 Data File : VD065939.D
 Acq On : 08 Jul 2020 14:43
 Operator : VA/SY
 Sample : L3216-03 2.5PPBMDL
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 MDL-SOIL-03-QT3-2020DL

Manual Integrations
 APPROVED

MMDadoda
 7/9/2020 10:48:19 AM

Quant Time: Jul 09 01:39:55 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D070720S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 09 01:34:51 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	398895	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	602868	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	562535	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	271541	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	168165	47.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.14%	
35) Dibromofluoromethane	7.91	113	179464	48.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.52%	
50) Toluene-d8	10.34	98	646100	47.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.22%	
62) 4-Bromofluorobenzene	12.63	95	223032	47.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.72%	

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	1.99	85	11103	3.131	ug/l	98
3) Chloromethane	2.20	50	9162	2.606	ug/l	96
4) Vinyl Chloride	2.35	62	8936	2.768	ug/l	95
5) Bromomethane	2.77	94	6442	3.151	ug/l	83
6) Chloroethane	2.93	64	5900	3.058	ug/l	97
7) Trichlorofluoromethane	3.27	101	20378	2.946	ug/l	99
8) Diethyl Ether	3.70	74	5174	2.726	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.10	101	11707	2.829	ug/l #	84
10) Methyl Iodide	4.30	142	10054	2.558	ug/l #	96
11) Tert butyl alcohol	5.19	59	6800	26.823	ug/l #	81
12) 1,1-Dichloroethene	4.06	96	11215	2.901	ug/l	96
13) Acrolein	3.92	56	3132	15.017	ug/l	98
14) Allyl chloride	4.71	41	16157	2.466	ug/l	97
15) Acrylonitrile	5.42	53	10928	13.151	ug/l	97
16) Acetone	4.16	43	13642	16.466	ug/l #	89
17) Carbon Disulfide	4.40	76	33891	2.751	ug/l	99
18) Methyl Acetate	4.72	43	6402	3.297	ug/l #	83
19) Methyl tert-butyl Ether	5.47	73	20590	2.516	ug/l	94
20) Methylene Chloride	4.96	84	46283	7.864	ug/l	97
21) trans-1,2-Dichloroethene	5.48	96	12335	2.836	ug/l	87
22) Diisopropyl ether	6.36	45	30908	2.510	ug/l	96
23) Vinyl Acetate	6.30	43	75877	10.797	ug/l	97
24) 1,1-Dichloroethane	6.26	63	19428	2.646	ug/l	93
25) 2-Butanone	7.21	43	15694	14.336	ug/l #	79
26) 2,2-Dichloropropane	7.20	77	19689	3.066	ug/l	98
27) cis-1,2-Dichloroethene	7.20	96	12512	2.677	ug/l	95
28) Bromochloromethane	7.55	49	7978	2.877	ug/l	94
29) Tetrahydrofuran	7.57	42	8518	12.236	ug/l #	65
30) Chloroform	7.70	83	19378	2.604	ug/l	93
31) Cyclohexane	7.98	56	25504	3.531	ug/l #	56
32) 1,1,1-Trichloroethane	7.90	97	18128	2.669	ug/l	95
36) 1,1-Dichloropropene	8.11	75	17757	2.982	ug/l	97
37) Ethyl Acetate	7.29	43	6399	2.565	ug/l #	79
38) Carbon Tetrachloride	8.10	117	18103	2.837	ug/l	87

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.35	83	19162	2.621	ug/l	90
40) Benzene	8.34	78	44474	2.704	ug/l	94
41) Methacrylonitrile	7.53	41	3991	2.755	ug/l	91
42) 1,2-Dichloroethane	8.42	62	12964	2.782	ug/l	95
43) Isopropyl Acetate	8.44	43	11774	2.535	ug/l #	61
44) Trichloroethene	9.10	130	13003	2.690	ug/l	87
45) 1,2-Dichloropropane	9.38	63	10595	2.595	ug/l	97
46) Dibromomethane	9.48	93	5629	2.648	ug/l	93
47) Bromodichloromethane	9.66	83	14254	2.500	ug/l	94
48) Methyl methacrylate	9.45	41	5535	2.368	ug/l	94
49) 1,4-Dioxane	9.46	88	1273	50.405	ug/l #	76
51) 4-Methyl-2-Pentanone	10.23	43	28068	11.955	ug/l	97
52) Toluene	10.40	92	29755	2.843	ug/l	93
53) t-1,3-Dichloropropene	10.61	75	13981	2.608	ug/l	96
54) cis-1,3-Dichloropropene	10.08	75	15301	2.362	ug/l	97
55) 1,1,2-Trichloroethane	10.80	97	8323	2.842	ug/l #	91
56) Ethyl methacrylate	10.66	69	8975	2.509	ug/l	95
57) 1,3-Dichloropropane	10.94	76	13253	2.588	ug/l	95
58) 2-Chloroethyl Vinyl ether	9.94	63	23163	13.371	ug/l	95
59) 2-Hexanone	10.98	43	19816	12.273	ug/l	100
60) Dibromochloromethane	11.14	129	10361	2.590	ug/l	99
61) 1,2-Dibromoethane	11.25	107	7364	2.522	ug/l	99
64) Tetrachloroethene	10.87	164	12041	2.943	ug/l	93
65) Chlorobenzene	11.67	112	31359	2.766	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.74	131	10712	2.526	ug/l	91
67) Ethyl Benzene	11.74	91	52557	2.610	ug/l	100
68) m/p-Xylenes	11.86	106	38335	5.010	ug/l	96
69) o-Xylene	12.18	106	17641	2.531	ug/l	98
70) Styrene	12.20	104	29932	2.488	ug/l	97
71) Bromoform	12.36	173	6453	2.690	ug/l #	94
73) Isopropylbenzene	12.48	105	48358	2.552	ug/l	99
74) N-amyl acetate	12.29	43	9256	2.177	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.73	83	8451	2.686	ug/l	99
76) 1,2,3-Trichloropropane	12.78	75	7115m	3.124	ug/l	
77) Bromobenzene	12.76	156	12439	2.706	ug/l	98
78) n-propylbenzene	12.82	91	60067	2.704	ug/l	99
79) 2-Chlorotoluene	12.91	91	34845	2.764	ug/l	96
80) 1,3,5-Trimethylbenzene	12.96	105	39301	2.535	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.54	75	2257m	2.129	ug/l	
82) 4-Chlorotoluene	13.01	91	36057	2.727	ug/l	98
83) tert-Butylbenzene	13.23	119	34008	2.575	ug/l	96
84) 1,2,4-Trimethylbenzene	13.27	105	38223	2.477	ug/l	99
85) sec-Butylbenzene	13.40	105	48991	2.618	ug/l	100
86) p-Isopropyltoluene	13.52	119	43405	2.536	ug/l	97
87) 1,3-Dichlorobenzene	13.52	146	25065	2.914	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	24189	2.819	ug/l	86
89) n-Butylbenzene	13.85	91	40858	2.542	ug/l	98
90) Hexachloroethane	14.11	117	9199	2.665	ug/l	99
91) 1,2-Dichlorobenzene	13.90	146	20209	2.688	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.50	75	1295	2.462	ug/l	88

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	14091	2.630	ug/l	98
94) Hexachlorobutadiene	15.27	225	9291	2.867	ug/l	96
95) Naphthalene	15.40	128	22686	2.525	ug/l	98
96) 1,2,3-Trichlorobenzene	15.60	180	13244	2.866	ug/l	97

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

