

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD030520\
 Data File : VD065427.D
 Acq On : 05 Mar 2020 13:18
 Operator : VA/SY
 Sample : L1161-03 2.5PPBMDL
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 MDL-SOIL-03-QT1-2020DL

Manual Integrations
 APPROVED

MMDadoda
 3/6/2020 11:17:29 AM

Quant Time: Mar 06 04:23:42 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D030420S.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 05 01:22:07 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	436687	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	679310	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	607396	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	287799	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	214105	57.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	114.32%	
35) Dibromofluoromethane	7.92	113	223329	53.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.32%	
50) Toluene-d8	10.34	98	842394	52.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.54%	
62) 4-Bromofluorobenzene	12.64	95	252469	50.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.50%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	10891	2.902	ug/l	93
3) Chloromethane	2.21	50	13741	3.033	ug/l	97
4) Vinyl Chloride	2.35	62	13446	3.009	ug/l	99
5) Bromomethane	2.77	94	9902	3.465	ug/l	95
6) Chloroethane	2.92	64	8540	3.120	ug/l	94
7) Trichlorofluoromethane	3.27	101	20591	3.127	ug/l	92
8) Diethyl Ether	3.71	74	5424	2.770	ug/l	76
9) 1,1,2-Trichlorotrifluoroet	4.10	101	13357	3.149	ug/l	99
10) Methyl Iodide	4.30	142	11654	2.645	ug/l	98
11) Tert butyl alcohol	5.24	59	2969m	13.818	ug/l	
12) 1,1-Dichloroethene	4.06	96	12946	3.188	ug/l	87
13) Acrolein	3.93	56	4956	13.374	ug/l	98
14) Allyl chloride	4.71	41	18118	2.904	ug/l	99
15) Acrylonitrile	5.43	53	12923	15.168	ug/l	98
16) Acetone	4.16	43	13168	17.382	ug/l	99
17) Carbon Disulfide	4.40	76	41641	3.079	ug/l	96
18) Methyl Acetate	4.73	43	6580m	3.424	ug/l	
19) Methyl tert-butyl Ether	5.48	73	19667	2.518	ug/l #	85
20) Methylene Chloride	4.96	84	49238	10.506	ug/l	94
21) trans-1,2-Dichloroethene	5.47	96	13442	2.975	ug/l	93
22) Diisopropyl ether	6.37	45	27933	2.409	ug/l	96
23) Vinyl Acetate	6.31	43	70641	10.970	ug/l	99
24) 1,1-Dichloroethane	6.27	63	22141	2.976	ug/l	94
25) 2-Butanone	7.23	43	13536	13.093	ug/l #	82
26) 2,2-Dichloropropane	7.21	77	18330	2.820	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	12868	2.787	ug/l	93
28) Bromochloromethane	7.55	49	9544	3.207	ug/l	96
29) Tetrahydrofuran	7.57	42	8459	12.813	ug/l	96
30) Chloroform	7.72	83	23389	3.146	ug/l	98
31) Cyclohexane	7.98	56	25828	3.472	ug/l #	68
32) 1,1,1-Trichloroethane	7.91	97	20805	3.028	ug/l	96
36) 1,1-Dichloropropene	8.12	75	17697	2.718	ug/l	99
37) Ethyl Acetate	7.30	43	7072	2.810	ug/l #	73
38) Carbon Tetrachloride	8.10	117	18994	2.813	ug/l #	82

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	19578	2.489	ug/l	99
40) Benzene	8.36	78	50875	2.794	ug/l	91
41) Methacrylonitrile	7.54	41	3892	2.924	ug/l #	74
42) 1,2-Dichloroethane	8.43	62	13819	2.907	ug/l	97
43) Isopropyl Acetate	8.46	43	12050	2.593	ug/l	93
44) Trichloroethene	9.11	130	15240	2.964	ug/l	90
45) 1,2-Dichloropropane	9.38	63	12597	2.856	ug/l	91
46) Dibromomethane	9.48	93	6141	2.685	ug/l	94
47) Bromodichloromethane	9.67	83	16981	2.853	ug/l #	98
48) Methyl methacrylate	9.46	41	5539	2.534	ug/l	93
49) 1,4-Dioxane	9.47	88	1186	45.325	ug/l #	84
51) 4-Methyl-2-Pentanone	10.24	43	25994	11.115	ug/l	99
52) Toluene	10.41	92	31124	2.714	ug/l	100
53) t-1,3-Dichloropropene	10.62	75	14556	2.617	ug/l	96
54) cis-1,3-Dichloropropene	10.10	75	16171	2.402	ug/l #	87
55) 1,1,2-Trichloroethane	10.81	97	9258	2.857	ug/l	98
56) Ethyl methacrylate	10.66	69	8169	2.237	ug/l	93
57) 1,3-Dichloropropane	10.96	76	14036	2.560	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.95	63	13145	11.160	ug/l	98
59) 2-Hexanone	10.99	43	18567	11.469	ug/l	94
60) Dibromochloromethane	11.14	129	11539	2.778	ug/l	99
61) 1,2-Dibromoethane	11.25	107	8563	2.771	ug/l	99
64) Tetrachloroethene	10.88	164	13276	3.050	ug/l	95
65) Chlorobenzene	11.68	112	35260	2.934	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.75	131	12386	2.829	ug/l	97
67) Ethyl Benzene	11.75	91	53088	2.556	ug/l	96
68) m/p-Xylenes	11.86	106	38598	4.820	ug/l	99
69) o-Xylene	12.19	106	16998	2.413	ug/l	94
70) Styrene	12.20	104	26690	2.153	ug/l	99
71) Bromoform	12.37	173	6982	2.839	ug/l #	99
73) Isopropylbenzene	12.48	105	43440	2.295	ug/l	99
74) N-amyl acetate	12.30	43	8859	2.286	ug/l #	92
75) 1,1,2,2-Tetrachloroethane	12.74	83	10354	3.112	ug/l	97
76) 1,2,3-Trichloropropane	12.79	75	7649m	3.368	ug/l	
77) Bromobenzene	12.77	156	14163	3.011	ug/l	95
78) n-propylbenzene	12.83	91	59829	2.664	ug/l	98
79) 2-Chlorotoluene	12.91	91	34228	2.704	ug/l	96
80) 1,3,5-Trimethylbenzene	12.97	105	35573	2.286	ug/l	96
81) trans-1,4-Dichloro-2-buten	12.53	75	2784m	2.587	ug/l	
82) 4-Chlorotoluene	13.01	91	36389	2.736	ug/l	96
83) tert-Butylbenzene	13.23	119	30284	2.300	ug/l	96
84) 1,2,4-Trimethylbenzene	13.28	105	34082	2.222	ug/l	96
85) sec-Butylbenzene	13.41	105	44508	2.368	ug/l	100
86) p-Isopropyltoluene	13.53	119	37292	2.175	ug/l	98
87) 1,3-Dichlorobenzene	13.53	146	25030	2.768	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	27099	3.013	ug/l	89
89) n-Butylbenzene	13.85	91	38541	2.431	ug/l	98
90) Hexachloroethane	14.13	117	10312	2.920	ug/l	97
91) 1,2-Dichlorobenzene	13.90	146	21596	2.807	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.53	75	1560	3.078	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	14713	2.821	ug/l	93
94) Hexachlorobutadiene	15.28	225	9998	2.918	ug/l	94
95) Naphthalene	15.41	128	20259	2.429	ug/l	98
96) 1,2,3-Trichlorobenzene	15.61	180	12949	2.873	ug/l	99

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

