

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD022120\
 Data File : VD065270.D
 Acq On : 21 Feb 2020 12:45
 Operator : VA/SY
 Sample : VD0221SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0221SBS01

Manual Integrations
 APPROVED

MMDadoda
 2/24/2020 11:08:48 AM

Quant Time: Feb 22 02:36:12 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D021820S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 19 03:26:54 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	479602	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	719845	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	649795	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	321399	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	213587	49.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.00%	
35) Dibromofluoromethane	7.92	113	220442	50.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.44%	
50) Toluene-d8	10.34	98	873353	52.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.10%	
62) 4-Bromofluorobenzene	12.64	95	275839	51.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.78%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.99	85	73533	18.280	ug/l 97
3) Chloromethane	2.21	50	99294	19.393	ug/l 97
4) Vinyl Chloride	2.35	62	99216	19.057	ug/l 98
5) Bromomethane	2.76	94	63157	20.063	ug/l 96
6) Chloroethane	2.92	64	61409	19.323	ug/l 97
7) Trichlorofluoromethane	3.27	101	146845	19.700	ug/l 97
8) Diethyl Ether	3.71	74	45349	20.155	ug/l 100
9) 1,1,2-Trichlorotrifluoroet	4.09	101	93760	19.918	ug/l 99
10) Methyl Iodide	4.30	142	94918	19.421	ug/l 99
11) Tert butyl alcohol	5.26	59	23204	90.001	ug/l 99
12) 1,1-Dichloroethene	4.07	96	89755	20.185	ug/l 98
13) Acrolein	3.93	56	39552	108.707	ug/l 97
14) Allyl chloride	4.71	41	144183	19.967	ug/l 100
15) Acrylonitrile	5.43	53	99341	99.725	ug/l 99
16) Acetone	4.17	43	96308	91.314	ug/l 98
17) Carbon Disulfide	4.40	76	294816	19.776	ug/l 99
18) Methyl Acetate	4.73	43	47803	20.152	ug/l 99
19) Methyl tert-butyl Ether	5.49	73	180516	19.467	ug/l 98
20) Methylene Chloride	4.97	84	116934	22.357	ug/l 94
21) trans-1,2-Dichloroethene	5.48	96	102411	20.259	ug/l 97
22) Diisopropyl ether	6.37	45	288679	20.738	ug/l 99
23) Vinyl Acetate	6.31	43	741162	96.578	ug/l 99
24) 1,1-Dichloroethane	6.27	63	175519	20.328	ug/l 95
25) 2-Butanone	7.22	43	124437	93.253	ug/l 93
26) 2,2-Dichloropropane	7.21	77	150216	20.052	ug/l 99
27) cis-1,2-Dichloroethene	7.21	96	108033	20.176	ug/l 99
28) Bromochloromethane	7.55	49	59578	18.599	ug/l 99
29) Tetrahydrofuran	7.57	42	76962	98.435	ug/l 98
30) Chloroform	7.71	83	178093	20.473	ug/l 96
31) Cyclohexane	7.98	56	165263	19.481	ug/l 96
32) 1,1,1-Trichloroethane	7.91	97	157587	20.248	ug/l 100
36) 1,1-Dichloropropene	8.11	75	139612	19.933	ug/l 99
37) Ethyl Acetate	7.30	43	56215	19.199	ug/l 97
38) Carbon Tetrachloride	8.10	117	141379	19.828	ug/l 99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	163868	19.901	ug/l	98
40) Benzene	8.36	78	400115	20.239	ug/l	100
41) Methacrylonitrile	7.53	41	29654	17.540	ug/l	96
42) 1,2-Dichloroethane	8.43	62	108582	19.978	ug/l	100
43) Isopropyl Acetate	8.46	43	101935	19.144	ug/l	99
44) Trichloroethene	9.11	130	111562	20.358	ug/l	97
45) 1,2-Dichloropropane	9.39	63	98110	19.958	ug/l	97
46) Dibromomethane	9.48	93	51371	20.310	ug/l	99
47) Bromodichloromethane	9.67	83	133488	20.026	ug/l	99
48) Methyl methacrylate	9.46	41	51679	20.998	ug/l	97
49) 1,4-Dioxane	9.47	88	11921	401.849	ug/l	89
51) 4-Methyl-2-Pentanone	10.23	43	263824	97.553	ug/l	100
52) Toluene	10.41	92	259833	21.233	ug/l	100
53) t-1,3-Dichloropropene	10.63	75	121375	19.645	ug/l	97
54) cis-1,3-Dichloropropene	10.09	75	151582	20.317	ug/l	98
55) 1,1,2-Trichloroethane	10.80	97	71530	20.092	ug/l	94
56) Ethyl methacrylate	10.67	69	79238	19.284	ug/l	100
57) 1,3-Dichloropropane	10.95	76	123027	20.304	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.95	63	118933	91.806	ug/l	99
59) 2-Hexanone	10.99	43	182994	94.525	ug/l	97
60) Dibromochloromethane	11.14	129	91110	19.995	ug/l	99
61) 1,2-Dibromoethane	11.25	107	68669	20.372	ug/l	97
64) Tetrachloroethene	10.88	164	95322	20.684	ug/l	95
65) Chlorobenzene	11.67	112	268262	20.573	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.75	131	96982	19.930	ug/l	98
67) Ethyl Benzene	11.75	91	468084	20.496	ug/l	98
68) m/p-Xylenes	11.86	106	368013	42.119	ug/l	100
69) o-Xylene	12.18	106	161494	20.862	ug/l	99
70) Styrene	12.20	104	286624	20.855	ug/l	100
71) Bromoform	12.37	173	53640	19.865	ug/l #	98
73) Isopropylbenzene	12.48	105	437103	20.542	ug/l	99
74) N-amyl acetate	12.30	43	88201	18.655	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.74	83	76858	20.014	ug/l	98
76) 1,2,3-Trichloropropane	12.79	75	50403m	18.432	ug/l	
77) Bromobenzene	12.77	156	108711	20.575	ug/l	99
78) n-propylbenzene	12.83	91	541441	21.175	ug/l	99
79) 2-Chlorotoluene	12.91	91	292498	20.419	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	364504	20.799	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.54	75	23935	18.899	ug/l	95
82) 4-Chlorotoluene	13.01	91	316126	20.787	ug/l	100
83) tert-Butylbenzene	13.23	119	299375	20.382	ug/l	99
84) 1,2,4-Trimethylbenzene	13.28	105	369836	21.084	ug/l	99
85) sec-Butylbenzene	13.41	105	436043	20.602	ug/l	100
86) p-Isopropyltoluene	13.53	119	410167	21.191	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	206560	20.222	ug/l	97
88) 1,4-Dichlorobenzene	13.60	146	206065	20.440	ug/l	99
89) n-Butylbenzene	13.86	91	368740	20.674	ug/l	99
90) Hexachloroethane	14.12	117	79669	20.272	ug/l	98
91) 1,2-Dichlorobenzene	13.90	146	181621	20.708	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.52	75	11305	19.103	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	119668	20.859	ug/l	100
94) Hexachlorobutadiene	15.28	225	75437	20.498	ug/l	99
95) Naphthalene	15.41	128	183711	19.698	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	105078	20.972	ug/l	98

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

