

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD031120\
 Data File : VD065475.D
 Acq On : 11 Mar 2020 12:09
 Operator : VA/SY
 Sample : VD0311SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0311SBS01

Manual Integrations
 APPROVED

MMDadoda
 3/13/2020 9:49:35 AM

Quant Time: Mar 11 16:33:01 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	465050	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	667498	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	614186	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	310675	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	193303	48.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.92%	
35) Dibromofluoromethane	7.91	113	209653	50.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.58%	
50) Toluene-d8	10.34	98	818766	51.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.40%	
62) 4-Bromofluorobenzene	12.64	95	257233	52.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.24%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	88290	22.090	ug/l	96
3) Chloromethane	2.21	50	104250	21.605	ug/l	100
4) Vinyl Chloride	2.35	62	102495	21.535	ug/l	100
5) Bromomethane	2.76	94	63465	21.024	ug/l	99
6) Chloroethane	2.92	64	62617	21.481	ug/l	99
7) Trichlorofluoromethane	3.27	101	153719	21.919	ug/l	99
8) Diethyl Ether	3.70	74	42811	20.527	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.08	101	98016	21.701	ug/l	98
10) Methyl Iodide	4.29	142	92120	19.632	ug/l	97
11) Tert butyl alcohol	5.24	59	20027	87.523	ug/l	96
12) 1,1-Dichloroethene	4.05	96	88817	20.536	ug/l	94
13) Acrolein	3.92	56	31533	79.906	ug/l	97
14) Allyl chloride	4.71	41	129715	19.524	ug/l	99
15) Acrylonitrile	5.43	53	89212	98.327	ug/l	100
16) Acetone	4.17	43	82697	102.503	ug/l	98
17) Carbon Disulfide	4.40	76	298606	20.732	ug/l	100
18) Methyl Acetate	4.72	43	40535	19.807	ug/l	98
19) Methyl tert-butyl Ether	5.49	73	166480	20.016	ug/l	98
20) Methylene Chloride	4.96	84	111372	23.595	ug/l	95
21) trans-1,2-Dichloroethene	5.46	96	100753	20.941	ug/l	94
22) Diisopropyl ether	6.37	45	264317	21.401	ug/l	97
23) Vinyl Acetate	6.31	43	678817	98.985	ug/l	99
24) 1,1-Dichloroethane	6.26	63	168110	21.221	ug/l	99
25) 2-Butanone	7.22	43	107071	97.252	ug/l	97
26) 2,2-Dichloropropane	7.21	77	150557	21.748	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	102357	20.814	ug/l	99
28) Bromochloromethane	7.54	49	63115	19.913	ug/l	98
29) Tetrahydrofuran	7.57	42	67885	96.552	ug/l	98
30) Chloroform	7.71	83	171899	21.709	ug/l	95
31) Cyclohexane	7.98	56	162394	20.501	ug/l	96
32) 1,1,1-Trichloroethane	7.90	97	157404	21.511	ug/l	99
36) 1,1-Dichloropropene	8.11	75	138796	21.692	ug/l	99
37) Ethyl Acetate	7.30	43	52680	21.301	ug/l #	93
38) Carbon Tetrachloride	8.10	117	144766	21.819	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	159478	20.637	ug/l	96
40) Benzene	8.35	78	400851	22.407	ug/l	99
41) Methacrylonitrile	7.53	41	25371	19.398	ug/l #	44
42) 1,2-Dichloroethane	8.43	62	102915	22.031	ug/l	99
43) Isopropyl Acetate	8.46	43	92012	20.150	ug/l	99
44) Trichloroethene	9.11	130	109206	21.616	ug/l	93
45) 1,2-Dichloropropane	9.38	63	94777	21.871	ug/l	97
46) Dibromomethane	9.48	93	47686	21.215	ug/l	96
47) Bromodichloromethane	9.67	83	128410	21.959	ug/l	96
48) Methyl methacrylate	9.46	41	42026	19.565	ug/l	95
49) 1,4-Dioxane	9.47	88	10891	423.586	ug/l	97
51) 4-Methyl-2-Pentanone	10.23	43	239373	104.170	ug/l	98
52) Toluene	10.40	92	253521	22.495	ug/l	99
53) t-1,3-Dichloropropene	10.62	75	115186	21.078	ug/l	96
54) cis-1,3-Dichloropropene	10.09	75	141071	21.327	ug/l	98
55) 1,1,2-Trichloroethane	10.80	97	67200	21.108	ug/l	93
56) Ethyl methacrylate	10.66	69	70411	19.618	ug/l	96
57) 1,3-Dichloropropane	10.95	76	117502	21.814	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	117466	105.986	ug/l	99
59) 2-Hexanone	10.99	43	160722	101.039	ug/l	100
60) Dibromochloromethane	11.14	129	91474	22.415	ug/l	99
61) 1,2-Dibromoethane	11.25	107	65247	21.486	ug/l	99
64) Tetrachloroethene	10.87	164	97045	22.051	ug/l	94
65) Chlorobenzene	11.67	112	261217	21.492	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.75	131	98161	22.176	ug/l	96
67) Ethyl Benzene	11.75	91	449934	21.425	ug/l	100
68) m/p-Xylenes	11.86	106	356149	43.982	ug/l	99
69) o-Xylene	12.18	106	150628	21.147	ug/l	97
70) Styrene	12.20	104	274599	21.905	ug/l	99
71) Bromoform	12.37	173	53658	21.581	ug/l #	100
73) Isopropylbenzene	12.48	105	425749	20.835	ug/l	100
74) N-amyl acetate	12.30	43	79740	19.061	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	72606	20.214	ug/l	98
76) 1,2,3-Trichloropropane	12.79	75	46695m	19.048	ug/l	
77) Bromobenzene	12.77	156	107736	21.220	ug/l	99
78) n-propylbenzene	12.83	91	518826	21.399	ug/l	100
79) 2-Chlorotoluene	12.91	91	286038	20.933	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	358124	21.318	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	22498	19.367	ug/l	97
82) 4-Chlorotoluene	13.01	91	312199	21.742	ug/l	99
83) tert-Butylbenzene	13.23	119	292049	20.549	ug/l	100
84) 1,2,4-Trimethylbenzene	13.28	105	358044	21.622	ug/l	100
85) sec-Butylbenzene	13.41	105	432405	21.314	ug/l	99
86) p-Isopropyltoluene	13.53	119	390975	21.120	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	210790	21.595	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	207517	21.373	ug/l	99
89) n-Butylbenzene	13.86	91	357756	20.904	ug/l	99
90) Hexachloroethane	14.12	117	80576	21.136	ug/l	99
91) 1,2-Dichlorobenzene	13.90	146	178656	21.508	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.52	75	11388	20.818	ug/l	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	116014	20.607	ug/l	97
94) Hexachlorobutadiene	15.28	225	81064	21.914	ug/l	99
95) Naphthalene	15.41	128	171437	19.987	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	101683	20.901	ug/l	99

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

