

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD031020\
 Data File : VD065461.D
 Acq On : 10 Mar 2020 13:31
 Operator : VA/SY
 Sample : VD0310SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0310SBS01

Manual Integrations
 APPROVED

MMDadoda
 3/11/2020 3:20:47 PM

Quant Time: Mar 11 03:25:50 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	432898	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	641395	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	597850	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	301091	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	192730	51.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.80%	
35) Dibromofluoromethane	7.92	113	198733	50.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.20%	
50) Toluene-d8	10.34	98	763602	50.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.36%	
62) 4-Bromofluorobenzene	12.64	95	248291	52.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.72%	

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	1.99	85	80619	21.669	ug/l	97
3) Chloromethane	2.21	50	98162	21.854	ug/l	100
4) Vinyl Chloride	2.35	62	95943	21.656	ug/l	100
5) Bromomethane	2.77	94	61086	21.919	ug/l	96
6) Chloroethane	2.93	64	59304	21.856	ug/l	96
7) Trichlorofluoromethane	3.27	101	141880	21.733	ug/l	95
8) Diethyl Ether	3.71	74	44575	22.961	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	4.09	101	88777	21.115	ug/l	98
10) Methyl Iodide	4.29	142	81274	18.607	ug/l	99
11) Tert butyl alcohol	5.24	59	15676m	73.597	ug/l	
12) 1,1-Dichloroethene	4.06	96	83094	20.639	ug/l	91
13) Acrolein	3.92	56	30687	83.538	ug/l	98
14) Allyl chloride	4.71	41	123494	19.968	ug/l	99
15) Acrylonitrile	5.43	53	92443	109.455	ug/l	99
16) Acetone	4.16	43	79056	105.268	ug/l	96
17) Carbon Disulfide	4.40	76	278427	20.767	ug/l	100
18) Methyl Acetate	4.73	43	44299	23.254	ug/l	98
19) Methyl tert-butyl Ether	5.49	73	166100	21.454	ug/l	100
20) Methylene Chloride	4.96	84	104374	23.780	ug/l	97
21) trans-1,2-Dichloroethene	5.47	96	94758	21.158	ug/l	97
22) Diisopropyl ether	6.37	45	257580	22.404	ug/l	97
23) Vinyl Acetate	6.31	43	693027	108.563	ug/l	100
24) 1,1-Dichloroethane	6.26	63	160281	21.735	ug/l	97
25) 2-Butanone	7.22	43	108304	105.678	ug/l	97
26) 2,2-Dichloropropane	7.21	77	137757	21.377	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	96646	21.112	ug/l	98
28) Bromochloromethane	7.55	49	62096	21.047	ug/l	99
29) Tetrahydrofuran	7.57	42	72357	110.556	ug/l	98
30) Chloroform	7.71	83	166168	22.544	ug/l	99
31) Cyclohexane	7.99	56	146640	19.887	ug/l	100
32) 1,1,1-Trichloroethane	7.90	97	146977	21.578	ug/l	98
36) 1,1-Dichloropropene	8.11	75	128452	20.893	ug/l	99
37) Ethyl Acetate	7.30	43	53018	22.311	ug/l	97
38) Carbon Tetrachloride	8.10	117	134421	21.084	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	146882	19.780	ug/l	95
40) Benzene	8.35	78	381490	22.192	ug/l	99
41) Methacrylonitrile	7.54	41	29320m	23.330	ug/l	
42) 1,2-Dichloroethane	8.43	62	102755	22.892	ug/l	100
43) Isopropyl Acetate	8.46	43	92484	21.077	ug/l	97
44) Trichloroethene	9.11	130	104398	21.505	ug/l	100
45) 1,2-Dichloropropane	9.39	63	92452	22.203	ug/l	97
46) Dibromomethane	9.48	93	49229	22.792	ug/l	98
47) Bromodichloromethane	9.67	83	126444	22.503	ug/l	97
48) Methyl methacrylate	9.46	41	42741	20.708	ug/l #	92
49) 1,4-Dioxane	9.47	88	11772	476.485	ug/l	96
51) 4-Methyl-2-Pentanone	10.23	43	243385	110.227	ug/l	99
52) Toluene	10.41	92	239711	22.136	ug/l	98
53) t-1,3-Dichloropropene	10.63	75	114855	21.873	ug/l	99
54) cis-1,3-Dichloropropene	10.09	75	140555	22.114	ug/l	98
55) 1,1,2-Trichloroethane	10.81	97	69988	22.878	ug/l	97
56) Ethyl methacrylate	10.67	69	73560	21.330	ug/l	98
57) 1,3-Dichloropropane	10.95	76	118713	22.935	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	120284	112.802	ug/l	99
59) 2-Hexanone	10.99	43	165151	108.048	ug/l	99
60) Dibromochloromethane	11.14	129	90137	22.986	ug/l	99
61) 1,2-Dibromoethane	11.25	107	65972	22.609	ug/l	100
64) Tetrachloroethene	10.88	164	91182	21.285	ug/l	97
65) Chlorobenzene	11.67	112	257762	21.787	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.75	131	95901	22.257	ug/l	98
67) Ethyl Benzene	11.75	91	432293	21.147	ug/l	100
68) m/p-Xylenes	11.86	106	337296	42.792	ug/l	96
69) o-Xylene	12.18	106	147431	21.263	ug/l	99
70) Styrene	12.20	104	265907	21.791	ug/l	99
71) Bromoform	12.37	173	54190	22.390	ug/l #	100
73) Isopropylbenzene	12.48	105	400192	20.207	ug/l	99
74) N-amyl acetate	12.30	43	82422	20.329	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.74	83	77318	22.211	ug/l	97
76) 1,2,3-Trichloropropane	12.79	75	50459m	21.238	ug/l	
77) Bromobenzene	12.77	156	105955	21.534	ug/l	98
78) n-propylbenzene	12.83	91	489170	20.818	ug/l	100
79) 2-Chlorotoluene	12.91	91	275956	20.838	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	343492	21.097	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.54	75	23794	21.134	ug/l	95
82) 4-Chlorotoluene	13.01	91	297841	21.403	ug/l	100
83) tert-Butylbenzene	13.23	119	270410	19.632	ug/l	98
84) 1,2,4-Trimethylbenzene	13.28	105	341512	21.280	ug/l	100
85) sec-Butylbenzene	13.41	105	397949	20.240	ug/l	99
86) p-Isopropyltoluene	13.53	119	370584	20.656	ug/l	100
87) 1,3-Dichlorobenzene	13.53	146	202907	21.450	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	202192	21.487	ug/l	99
89) n-Butylbenzene	13.86	91	329355	19.857	ug/l	99
90) Hexachloroethane	14.12	117	77291	20.919	ug/l	100
91) 1,2-Dichlorobenzene	13.90	146	175103	21.752	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	10983	20.716	ug/l	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.18	180	117387	21.515	ug/l	97
94) Hexachlorobutadiene	15.28	225	74020	20.647	ug/l	100
95) Naphthalene	15.41	128	175020	20.819	ug/l	100
96) 1,2,3-Trichlorobenzene	15.61	180	99837	21.175	ug/l	97

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

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