

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD022620\
 Data File : VD065321.D
 Acq On : 26 Feb 2020 11:57
 Operator : VA/SY
 Sample : VD0226SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0226SBS01

Manual Integrations
 APPROVED

MMDadoda
 2/27/2020 11:39:24 AM

Quant Time: Feb 27 08:12:42 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	471062	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	700559	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	637616	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	319948	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	222485	52.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.00%	
35) Dibromofluoromethane	7.92	113	232277	54.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.76%	
50) Toluene-d8	10.34	98	910846	55.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.56%	
62) 4-Bromofluorobenzene	12.64	95	297264	57.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	114.92%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.99	85	71984	18.219	ug/l 97
3) Chloromethane	2.21	50	96545	19.198	ug/l 98
4) Vinyl Chloride	2.35	62	96283	18.828	ug/l 98
5) Bromomethane	2.76	94	57934	18.738	ug/l 93
6) Chloroethane	2.91	64	59321	19.004	ug/l 100
7) Trichlorofluoromethane	3.27	101	147090	20.091	ug/l 98
8) Diethyl Ether	3.70	74	45264	20.482	ug/l 97
9) 1,1,2-Trichlorotrifluoroet	4.09	101	95154	20.581	ug/l 98
10) Methyl Iodide	4.29	142	90192	18.788	ug/l 100
11) Tert butyl alcohol	5.25	59	22970	90.708	ug/l 97
12) 1,1-Dichloroethene	4.06	96	88960	20.369	ug/l 87
13) Acrolein	3.92	56	37737	104.651	ug/l 99
14) Allyl chloride	4.71	41	141533	19.956	ug/l 97
15) Acrylonitrile	5.43	53	106734	109.089	ug/l 97
16) Acetone	4.17	43	95929	92.604	ug/l 97
17) Carbon Disulfide	4.40	76	282268	19.277	ug/l 98
18) Methyl Acetate	4.73	43	53840	23.109	ug/l 98
19) Methyl tert-butyl Ether	5.49	73	186846	20.515	ug/l 97
20) Methylene Chloride	4.96	84	117243	22.928	ug/l 97
21) trans-1,2-Dichloroethene	5.46	96	100866	20.315	ug/l 97
22) Diisopropyl ether	6.37	45	284649	20.819	ug/l 99
23) Vinyl Acetate	6.31	43	757823	100.540	ug/l 98
24) 1,1-Dichloroethane	6.27	63	175878	20.739	ug/l 99
25) 2-Butanone	7.22	43	127821	97.525	ug/l 100
26) 2,2-Dichloropropane	7.21	77	151117	20.538	ug/l 100
27) cis-1,2-Dichloroethene	7.21	96	108600	20.650	ug/l 99
28) Bromochloromethane	7.55	49	60260	19.153	ug/l 98
29) Tetrahydrofuran	7.57	42	80866	105.303	ug/l 98
30) Chloroform	7.71	83	177655	20.793	ug/l 98
31) Cyclohexane	7.98	56	164545	19.748	ug/l 97
32) 1,1,1-Trichloroethane	7.91	97	157875	20.653	ug/l 99
36) 1,1-Dichloropropene	8.11	75	139323	20.439	ug/l 98
37) Ethyl Acetate	7.30	43	60201	21.126	ug/l 99
38) Carbon Tetrachloride	8.10	117	143386	20.664	ug/l 96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	162432	20.269	ug/l	96
40) Benzene	8.36	78	398527	20.713	ug/l	99
41) Methacrylonitrile	7.54	41	32134m	19.530	ug/l	
42) 1,2-Dichloroethane	8.43	62	107927	20.404	ug/l	99
43) Isopropyl Acetate	8.46	43	108438	20.926	ug/l	100
44) Trichloroethene	9.11	130	113816	21.341	ug/l	97
45) 1,2-Dichloropropane	9.39	63	99466	20.790	ug/l	99
46) Dibromomethane	9.48	93	51969	21.112	ug/l	99
47) Bromodichloromethane	9.67	83	136728	21.077	ug/l	95
48) Methyl methacrylate	9.46	41	48559	20.273	ug/l	92
49) 1,4-Dioxane	9.47	88	11775	407.854	ug/l	93
51) 4-Methyl-2-Pentanone	10.23	43	280499	106.574	ug/l	99
52) Toluene	10.41	92	255436	21.449	ug/l	97
53) t-1,3-Dichloropropene	10.63	75	126348	21.013	ug/l	93
54) cis-1,3-Dichloropropene	10.09	75	151490	20.864	ug/l	99
55) 1,1,2-Trichloroethane	10.81	97	73385	21.181	ug/l	96
56) Ethyl methacrylate	10.67	69	83825	20.961	ug/l	98
57) 1,3-Dichloropropane	10.95	76	126540	21.459	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.95	63	129253	102.519	ug/l	100
59) 2-Hexanone	10.99	43	196149	104.110	ug/l	99
60) Dibromochloromethane	11.14	129	92892	20.947	ug/l	97
61) 1,2-Dibromoethane	11.25	107	70699	21.552	ug/l	99
64) Tetrachloroethene	10.88	164	96396	21.316	ug/l	93
65) Chlorobenzene	11.67	112	269393	21.054	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.75	131	101654	21.289	ug/l	99
67) Ethyl Benzene	11.75	91	466931	20.836	ug/l	98
68) m/p-Xylenes	11.86	106	365097	42.583	ug/l	99
69) o-Xylene	12.18	106	164260	21.625	ug/l	96
70) Styrene	12.20	104	285729	21.187	ug/l	100
71) Bromoform	12.37	173	57782	21.808	ug/l #	100
73) Isopropylbenzene	12.48	105	442821	20.905	ug/l	100
74) N-amyl acetate	12.30	43	95535	20.297	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.74	83	81303	21.267	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	55091m	20.238	ug/l	
77) Bromobenzene	12.77	156	112144	21.321	ug/l	99
78) n-propylbenzene	12.83	91	542352	21.306	ug/l	99
79) 2-Chlorotoluene	12.91	91	299028	20.970	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	373582	21.413	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.54	75	25588	20.296	ug/l	97
82) 4-Chlorotoluene	13.01	91	316862	20.930	ug/l	100
83) tert-Butylbenzene	13.23	119	306521	20.963	ug/l	99
84) 1,2,4-Trimethylbenzene	13.28	105	372842	21.351	ug/l	100
85) sec-Butylbenzene	13.41	105	440424	20.903	ug/l	100
86) p-Isopropyltoluene	13.53	119	409944	21.276	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	208178	20.473	ug/l	97
88) 1,4-Dichlorobenzene	13.60	146	212694	21.193	ug/l	99
89) n-Butylbenzene	13.86	91	373518	21.037	ug/l	99
90) Hexachloroethane	14.12	117	82166	21.002	ug/l	98
91) 1,2-Dichlorobenzene	13.90	146	181182	20.752	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	12089	20.520	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.18	180	123602	21.642	ug/l	99
94) Hexachlorobutadiene	15.28	225	78537	21.437	ug/l	98
95) Naphthalene	15.41	128	196197	21.132	ug/l	100
96) 1,2,3-Trichlorobenzene	15.61	180	107577	21.568	ug/l	99

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

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