

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD031220\
 Data File : VD065486.D
 Acq On : 12 Mar 2020 12:19
 Operator : VA/SY
 Sample : VD0312SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0312SBS01

Manual Integrations
 APPROVED

MMDadoda
 3/16/2020 12:07:01 PM

Quant Time: Mar 13 05:11:02 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	470741	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	689701	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	636188	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	316526	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	200824	49.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.46%	
35) Dibromofluoromethane	7.93	113	211575	49.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.22%	
50) Toluene-d8	10.34	98	809090	49.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.90%	
62) 4-Bromofluorobenzene	12.64	95	261420	51.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.50%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	84733	20.944	ug/l	99
3) Chloromethane	2.21	50	99813	20.435	ug/l	100
4) Vinyl Chloride	2.36	62	100542	20.869	ug/l	99
5) Bromomethane	2.77	94	66019	21.752	ug/l	95
6) Chloroethane	2.93	64	61999	21.012	ug/l	95
7) Trichlorofluoromethane	3.27	101	145789	20.537	ug/l	99
8) Diethyl Ether	3.70	74	44075	20.878	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.09	101	96650	21.140	ug/l	98
10) Methyl Iodide	4.30	142	96527	20.322	ug/l	99
11) Tert butyl alcohol	5.25	59	22151m	95.636	ug/l	
12) 1,1-Dichloroethene	4.06	96	85940	19.630	ug/l	97
13) Acrolein	3.92	56	33220	83.163	ug/l	99
14) Allyl chloride	4.71	41	131512	19.555	ug/l	99
15) Acrylonitrile	5.43	53	96881	105.488	ug/l	99
16) Acetone	4.17	43	82043	100.463	ug/l	97
17) Carbon Disulfide	4.41	76	285720	19.597	ug/l	100
18) Methyl Acetate	4.72	43	44234	21.353	ug/l	100
19) Methyl tert-butyl Ether	5.48	73	172490	20.488	ug/l	95
20) Methylene Chloride	4.96	84	102850	21.201	ug/l	96
21) trans-1,2-Dichloroethene	5.47	96	100296	20.594	ug/l	97
22) Diisopropyl ether	6.37	45	267837	21.424	ug/l	96
23) Vinyl Acetate	6.31	43	713928	102.846	ug/l	99
24) 1,1-Dichloroethane	6.27	63	165141	20.594	ug/l	98
25) 2-Butanone	7.23	43	113121	101.505	ug/l	92
26) 2,2-Dichloropropane	7.21	77	144242	20.584	ug/l	99
27) cis-1,2-Dichloroethene	7.22	96	101571	20.404	ug/l	99
28) Bromochloromethane	7.56	49	68666	21.403	ug/l	98
29) Tetrahydrofuran	7.57	42	72463	101.817	ug/l	99
30) Chloroform	7.71	83	170755	21.304	ug/l	99
31) Cyclohexane	7.99	56	155357	19.375	ug/l	96
32) 1,1,1-Trichloroethane	7.91	97	151421	20.443	ug/l	99
36) 1,1-Dichloropropene	8.11	75	132840	20.093	ug/l	98
37) Ethyl Acetate	7.30	43	53541	20.953	ug/l	96
38) Carbon Tetrachloride	8.10	117	141656	20.663	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	155340	19.454	ug/l	93
40) Benzene	8.36	78	385726	20.867	ug/l	100
41) Methacrylonitrile	7.53	41	28329	20.963	ug/l #	87
42) 1,2-Dichloroethane	8.43	62	101737	21.077	ug/l	99
43) Isopropyl Acetate	8.46	43	96123	20.372	ug/l	98
44) Trichloroethene	9.11	130	107223	20.540	ug/l	98
45) 1,2-Dichloropropane	9.39	63	95284	21.280	ug/l	98
46) Dibromomethane	9.48	93	49851	21.464	ug/l	97
47) Bromodichloromethane	9.67	83	129323	21.403	ug/l	93
48) Methyl methacrylate	9.46	41	44068	19.856	ug/l	96
49) 1,4-Dioxane	9.47	88	11412	429.561	ug/l	99
51) 4-Methyl-2-Pentanone	10.23	43	254476	107.178	ug/l	99
52) Toluene	10.41	92	245420	21.076	ug/l	100
53) t-1,3-Dichloropropene	10.63	75	118858	21.050	ug/l	96
54) cis-1,3-Dichloropropene	10.10	75	144595	21.156	ug/l	99
55) 1,1,2-Trichloroethane	10.80	97	70641	21.475	ug/l	98
56) Ethyl methacrylate	10.67	69	77821	20.985	ug/l	96
57) 1,3-Dichloropropane	10.95	76	120087	21.576	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.95	63	128966	112.480	ug/l	100
59) 2-Hexanone	10.99	43	167448	101.878	ug/l	100
60) Dibromochloromethane	11.14	129	93671	22.215	ug/l	96
61) 1,2-Dibromoethane	11.25	107	68411	21.803	ug/l	95
64) Tetrachloroethene	10.88	164	93322	20.471	ug/l	98
65) Chlorobenzene	11.67	112	259218	20.590	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.75	131	96543	21.056	ug/l	98
67) Ethyl Benzene	11.75	91	440046	20.229	ug/l	99
68) m/p-Xylenes	11.86	106	354286	42.239	ug/l	99
69) o-Xylene	12.18	106	149342	20.241	ug/l	100
70) Styrene	12.20	104	271202	20.886	ug/l	99
71) Bromoform	12.37	173	53794	20.887	ug/l #	100
73) Isopropylbenzene	12.48	105	413861	19.879	ug/l	99
74) N-amyl acetate	12.30	43	84078	19.726	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.74	83	76259	20.838	ug/l	97
76) 1,2,3-Trichloropropane	12.79	75	48441m	19.395	ug/l	
77) Bromobenzene	12.77	156	107077	20.701	ug/l	98
78) n-propylbenzene	12.83	91	505151	20.450	ug/l	99
79) 2-Chlorotoluene	12.91	91	282525	20.294	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	347383	20.296	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.54	75	24269	20.505	ug/l	97
82) 4-Chlorotoluene	13.01	91	305008	20.849	ug/l	99
83) tert-Butylbenzene	13.23	119	283287	19.564	ug/l	99
84) 1,2,4-Trimethylbenzene	13.28	105	347278	20.584	ug/l	99
85) sec-Butylbenzene	13.41	105	412885	19.976	ug/l	100
86) p-Isopropyltoluene	13.53	119	380816	20.191	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	202164	20.329	ug/l	100
88) 1,4-Dichlorobenzene	13.60	146	203762	20.598	ug/l	99
89) n-Butylbenzene	13.85	91	342974	19.670	ug/l	99
90) Hexachloroethane	14.12	117	77833	20.039	ug/l	99
91) 1,2-Dichlorobenzene	13.90	146	175817	20.775	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.52	75	11421	20.492	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	114913	20.034	ug/l	97
94) Hexachlorobutadiene	15.28	225	75877	20.133	ug/l	99
95) Naphthalene	15.41	128	176303	20.133	ug/l	100
96) 1,2,3-Trichlorobenzene	15.61	180	101373	20.452	ug/l	99

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

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