

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD020720\
 Data File : VD065105.D
 Acq On : 07 Feb 2020 12:57
 Operator : VA/SY
 Sample : VD0207SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0207SBS01

Manual Integrations
 APPROVED

MMDadoda
 2/10/2020 5:40:05 PM

Quant Time: Feb 08 00:19:09 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D020520S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 05 15:53:00 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	426004	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	647939	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	585764	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	284590	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	212252	58.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	117.24%	
35) Dibromofluoromethane	7.92	113	206398	57.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	114.18%	
50) Toluene-d8	10.34	98	826569	57.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	114.88%	
62) 4-Bromofluorobenzene	12.64	95	255919	56.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.26%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	77310	21.808	ug/l	98
3) Chloromethane	2.21	50	102085	24.463	ug/l	99
4) Vinyl Chloride	2.35	62	105706	23.951	ug/l	97
5) Bromomethane	2.76	94	67479	23.581	ug/l	93
6) Chloroethane	2.92	64	67756	24.750	ug/l	96
7) Trichlorofluoromethane	3.27	101	154422	24.043	ug/l	96
8) Diethyl Ether	3.71	74	40854	22.157	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.08	101	88930	22.649	ug/l	98
10) Methyl Iodide	4.30	142	89010	19.861	ug/l	98
11) Tert butyl alcohol	5.25	59	23467	106.081	ug/l	99
12) 1,1-Dichloroethene	4.06	96	82926	22.052	ug/l	99
13) Acrolein	3.92	56	26165	96.162	ug/l	99
14) Allyl chloride	4.71	41	135669	21.708	ug/l	97
15) Acrylonitrile	5.43	53	91745	113.813	ug/l	100
16) Acetone	4.17	43	90249	99.697	ug/l	99
17) Carbon Disulfide	4.40	76	276186	22.875	ug/l	97
18) Methyl Acetate	4.73	43	45504	24.060	ug/l	99
19) Methyl tert-butyl Ether	5.48	73	180568	21.715	ug/l	99
20) Methylene Chloride	4.96	84	101649	23.407	ug/l	94
21) trans-1,2-Dichloroethene	5.47	96	97046	22.810	ug/l	97
22) Diisopropyl ether	6.37	45	273507	23.201	ug/l	96
23) Vinyl Acetate	6.31	43	739881	112.603	ug/l	97
24) 1,1-Dichloroethane	6.27	63	165576	23.205	ug/l	98
25) 2-Butanone	7.22	43	120398	111.500	ug/l	96
26) 2,2-Dichloropropane	7.21	77	146040	22.834	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	100672	22.273	ug/l	98
28) Bromochloromethane	7.55	49	59208	21.890	ug/l	98
29) Tetrahydrofuran	7.57	42	74977	114.820	ug/l	99
30) Chloroform	7.71	83	167234	23.538	ug/l	95
31) Cyclohexane	7.98	56	155814	21.633	ug/l	97
32) 1,1,1-Trichloroethane	7.91	97	149312	22.561	ug/l	98
36) 1,1-Dichloropropene	8.11	75	132819	22.045	ug/l	98
37) Ethyl Acetate	7.30	43	56530	22.967	ug/l	99
38) Carbon Tetrachloride	8.10	117	137125	22.285	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	154653	20.796	ug/l	97
40) Benzene	8.36	78	369867	22.231	ug/l	100
41) Methacrylonitrile	7.53	41	33015	24.347	ug/l #	84
42) 1,2-Dichloroethane	8.43	62	106404	22.445	ug/l	98
43) Isopropyl Acetate	8.46	43	102994	21.874	ug/l	100
44) Trichloroethene	9.11	130	102611	21.487	ug/l	99
45) 1,2-Dichloropropane	9.39	63	90223	22.618	ug/l	91
46) Dibromomethane	9.48	93	48112	22.953	ug/l	96
47) Bromodichloromethane	9.67	83	128742	23.310	ug/l	98
48) Methyl methacrylate	9.46	41	48734	21.510	ug/l	99
49) 1,4-Dioxane	9.47	88	11168	449.829	ug/l #	91
51) 4-Methyl-2-Pentanone	10.24	43	257856	111.262	ug/l	99
52) Toluene	10.41	92	236091	22.233	ug/l	96
53) t-1,3-Dichloropropene	10.63	75	118177	21.976	ug/l	97
54) cis-1,3-Dichloropropene	10.10	75	141479	21.998	ug/l	97
55) 1,1,2-Trichloroethane	10.81	97	65224	22.685	ug/l	91
56) Ethyl methacrylate	10.67	69	77200	21.221	ug/l	95
57) 1,3-Dichloropropane	10.96	76	114656	22.678	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.95	63	120223	90.129	ug/l	100
59) 2-Hexanone	10.99	43	178814	108.928	ug/l	100
60) Dibromochloromethane	11.15	129	85386	22.928	ug/l	97
61) 1,2-Dibromoethane	11.25	107	62052	22.088	ug/l	98
64) Tetrachloroethene	10.88	164	87813	20.863	ug/l	98
65) Chlorobenzene	11.68	112	249728	22.042	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.75	131	90843	21.725	ug/l	96
67) Ethyl Benzene	11.75	91	444237	21.582	ug/l	94
68) m/p-Xylenes	11.86	106	336438	42.824	ug/l	98
69) o-Xylene	12.19	106	150725	21.305	ug/l	98
70) Styrene	12.20	104	265530	21.595	ug/l	99
71) Bromoform	12.37	173	49453	21.972	ug/l #	97
73) Isopropylbenzene	12.49	105	410548	21.018	ug/l	100
74) N-amyl acetate	12.30	43	91139	21.466	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	70623	22.973	ug/l	99
76) 1,2,3-Trichloropropane	12.80	75	50727m	23.543	ug/l	
77) Bromobenzene	12.77	156	99601	21.164	ug/l	98
78) n-propylbenzene	12.83	91	503491	22.010	ug/l	98
79) 2-Chlorotoluene	12.92	91	273859	21.478	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	346830	21.704	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.54	75	22360	20.754	ug/l	95
82) 4-Chlorotoluene	13.01	91	290983	21.729	ug/l	100
83) tert-Butylbenzene	13.23	119	286771	20.801	ug/l	99
84) 1,2,4-Trimethylbenzene	13.28	105	345464	21.775	ug/l	99
85) sec-Butylbenzene	13.41	105	403595	21.434	ug/l	99
86) p-Isopropyltoluene	13.53	119	372488	21.291	ug/l	100
87) 1,3-Dichlorobenzene	13.53	146	191429	21.725	ug/l	100
88) 1,4-Dichlorobenzene	13.61	146	189987	21.663	ug/l	98
89) n-Butylbenzene	13.85	91	344839	21.355	ug/l	100
90) Hexachloroethane	14.12	117	72766	21.965	ug/l	99
91) 1,2-Dichlorobenzene	13.90	146	162404	21.518	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.53	75	11188	22.294	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.18	180	111142	20.604	ug/l	99
94) Hexachlorobutadiene	15.28	225	70274	21.187	ug/l	100
95) Naphthalene	15.42	128	173443	19.345	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	96021	20.810	ug/l	99

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

