

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD120320\
 Data File : VD067860.D
 Acq On : 03 Dec 2020 11:28
 Operator : VA/SY
 Sample : VD1203SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1203SBS01

Manual Integrations
 APPROVED

MMDadoda
 12/4/2020 11:26:32 AM

Quant Time: Dec 04 02:36:56 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D120120S.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 02 08:05:58 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	236580	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	338323	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	316092	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	166476	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	119321	46.98	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	93.96%
35) Dibromofluoromethane	7.92	113	108654	47.99	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	95.98%
50) Toluene-d8	10.34	98	394091	48.36	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	96.72%
62) 4-Bromofluorobenzene	12.64	95	145591	51.67	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	103.34%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	38584	18.740	ug/l	99
3) Chloromethane	2.21	50	22467	18.908	ug/l	95
4) Vinyl Chloride	2.35	62	29570	19.760	ug/l	100
5) Bromomethane	2.77	94	32735	24.504	ug/l	90
6) Chloroethane	2.92	64	20670	21.215	ug/l	92
7) Trichlorofluoromethane	3.28	101	90400	19.741	ug/l	94
8) Diethyl Ether	3.71	74	17163	19.230	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	4.10	101	41137	19.700	ug/l	95
10) Methyl Iodide	4.31	142	33622	15.191	ug/l	97
11) Tert butyl alcohol	5.23	59	18998m	114.346	ug/l	
12) 1,1-Dichloroethene	4.07	96	38403	19.589	ug/l	94
13) Acrolein	3.93	56	7830	80.225	ug/l	97
14) Allyl chloride	4.72	41	34852	19.217	ug/l	95
15) Acrylonitrile	5.42	53	28868	93.280	ug/l	99
16) Acetone	4.16	43	27032	86.133	ug/l #	82
17) Carbon Disulfide	4.41	76	105468	19.269	ug/l	99
18) Methyl Acetate	4.71	43	11462	19.009	ug/l #	70
19) Methyl tert-butyl Ether	5.48	73	85475	20.362	ug/l	95
20) Methylene Chloride	4.97	84	53069	23.966	ug/l #	92
21) trans-1,2-Dichloroethene	5.47	96	45221	20.271	ug/l	90
22) Diisopropyl ether	6.37	45	75123	20.595	ug/l	98
23) Vinyl Acetate	6.31	43	200374m	98.744	ug/l	
24) 1,1-Dichloroethane	6.27	63	63107	19.736	ug/l	98
25) 2-Butanone	7.21	43	31665	95.926	ug/l #	87
26) 2,2-Dichloropropane	7.21	77	79035	20.728	ug/l	98
27) cis-1,2-Dichloroethene	7.21	96	50516	20.703	ug/l	99
28) Bromochloromethane	7.55	49	18920	18.637	ug/l	99
29) Tetrahydrofuran	7.56	42	17554	93.396	ug/l	92
30) Chloroform	7.71	83	85213	19.942	ug/l	99
31) Cyclohexane	7.98	56	53400	19.956	ug/l #	80
32) 1,1,1-Trichloroethane	7.90	97	90881	20.148	ug/l	99
36) 1,1-Dichloropropene	8.11	75	60821	20.766	ug/l	100
37) Ethyl Acetate	7.30	43	14869	18.837	ug/l #	82
38) Carbon Tetrachloride	8.10	117	88281	19.922	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	70560	20.330	ug/l	99
40) Benzene	8.36	78	163433	20.393	ug/l	98
41) Methacrylonitrile	7.53	41	7781	17.882	ug/l #	76
42) 1,2-Dichloroethane	8.43	62	56934	19.933	ug/l	99
43) Isopropyl Acetate	8.46	43	29143	18.764	ug/l	98
44) Trichloroethene	9.11	130	54843	19.904	ug/l	100
45) 1,2-Dichloropropane	9.39	63	31279	19.016	ug/l	94
46) Dibromomethane	9.48	93	22406	19.592	ug/l	95
47) Bromodichloromethane	9.67	83	64620	19.820	ug/l	98
48) Methyl methacrylate	9.46	41	15789	20.020	ug/l	89
49) 1,4-Dioxane	9.46	88	4437	339.540	ug/l	94
51) 4-Methyl-2-Pentanone	10.23	43	71257	96.936	ug/l	98
52) Toluene	10.41	92	115313	20.580	ug/l	98
53) t-1,3-Dichloropropene	10.63	75	56683	20.143	ug/l	99
54) cis-1,3-Dichloropropene	10.10	75	60572	19.789	ug/l	97
55) 1,1,2-Trichloroethane	10.81	97	29165	18.635	ug/l	91
56) Ethyl methacrylate	10.67	69	29870	18.758	ug/l	99
57) 1,3-Dichloropropane	10.95	76	46961	18.942	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.94	63	60722	83.802	ug/l	99
59) 2-Hexanone	10.99	43	48219	93.050	ug/l	100
60) Dibromochloromethane	11.14	129	48542	20.575	ug/l	97
61) 1,2-Dibromoethane	11.25	107	29071	18.889	ug/l	96
64) Tetrachloroethene	10.88	164	51815	20.096	ug/l	97
65) Chlorobenzene	11.67	112	129289	19.823	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.75	131	53650	20.168	ug/l	93
67) Ethyl Benzene	11.75	91	225476	20.294	ug/l	100
68) m/p-Xylenes	11.86	106	178784	40.809	ug/l	98
69) o-Xylene	12.18	106	79916	20.548	ug/l	98
70) Styrene	12.20	104	137113	20.274	ug/l	99
71) Bromoform	12.37	173	26970	19.153	ug/l #	98
73) Isopropylbenzene	12.48	105	231602	20.230	ug/l	99
74) N-amyl acetate	12.29	43	25498	18.005	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.73	83	28132	18.612	ug/l	98
76) 1,2,3-Trichloropropane	12.78	75	26348m	21.733	ug/l	
77) Bromobenzene	12.77	156	57528	20.212	ug/l	98
78) n-propylbenzene	12.83	91	256064	20.180	ug/l	99
79) 2-Chlorotoluene	12.91	91	151100	20.242	ug/l	99
80) 1,3,5-Trimethylbenzene	12.96	105	204261	20.607	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.54	75	9579	18.901	ug/l	96
82) 4-Chlorotoluene	13.01	91	157549	19.785	ug/l	99
83) tert-Butylbenzene	13.23	119	176939	20.977	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	203930	20.690	ug/l	99
85) sec-Butylbenzene	13.41	105	221135	19.643	ug/l	98
86) p-Isopropyltoluene	13.52	119	220685	20.001	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	108272	19.721	ug/l	97
88) 1,4-Dichlorobenzene	13.60	146	107538	19.579	ug/l	97
89) n-Butylbenzene	13.85	91	184307	20.106	ug/l	99
90) Hexachloroethane	14.11	117	38913	19.103	ug/l	99
91) 1,2-Dichlorobenzene	13.89	146	94829	19.915	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.51	75	6301	19.975	ug/l	85

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	64704	19.426	ug/l	98
94) Hexachlorobutadiene	15.27	225	43497	20.013	ug/l	96
95) Naphthalene	15.40	128	98927	18.252	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	56824	19.755	ug/l	99

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

