

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD120820\
 Data File : VD067906.D
 Acq On : 08 Dec 2020 10:59
 Operator : VA/SY
 Sample : VD1208SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1208SBS01

Manual Integrations
 APPROVED

MMDadoda
 12/9/2020 9:29:00 AM

Quant Time: Dec 09 04:34:36 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	212998	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	306969	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	271033	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	144157	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	105370	46.08	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	92.16%
35) Dibromofluoromethane	7.91	113	92808	45.18	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	90.36%
50) Toluene-d8	10.34	98	353309	47.78	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	95.56%
62) 4-Bromofluorobenzene	12.64	95	122094	47.76	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	95.52%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	33073	17.842	ug/l	100
3) Chloromethane	2.21	50	20618	19.273	ug/l	94
4) Vinyl Chloride	2.35	62	26255	19.487	ug/l	100
5) Bromomethane	2.77	94	28301	23.530	ug/l	96
6) Chloroethane	2.93	64	17834	20.330	ug/l	92
7) Trichlorofluoromethane	3.28	101	81293	19.718	ug/l	99
8) Diethyl Ether	3.70	74	14214	17.689	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.10	101	37731	20.070	ug/l	100
10) Methyl Iodide	4.30	142	32800	16.460	ug/l	96
11) Tert butyl alcohol	5.21	59	12246	60.711	ug/l #	93
12) 1,1-Dichloroethene	4.06	96	34427	19.505	ug/l	87
13) Acrolein	3.93	56	6085	69.249	ug/l	88
14) Allyl chloride	4.71	41	31752	19.446	ug/l	98
15) Acrylonitrile	5.41	53	23824	85.505	ug/l	97
16) Acetone	4.16	43	23149	81.927	ug/l	91
17) Carbon Disulfide	4.41	76	90957	18.458	ug/l	97
18) Methyl Acetate	4.72	43	9319	17.095	ug/l	91
19) Methyl tert-butyl Ether	5.47	73	72915	19.293	ug/l	99
20) Methylene Chloride	4.96	84	41870	20.448	ug/l	96
21) trans-1,2-Dichloroethene	5.47	96	39183	19.509	ug/l	98
22) Diisopropyl ether	6.36	45	62007	18.881	ug/l	94
23) Vinyl Acetate	6.31	43	170502	93.326	ug/l	96
24) 1,1-Dichloroethane	6.27	63	57878	20.105	ug/l	100
25) 2-Butanone	7.21	43	25372	85.372	ug/l	97
26) 2,2-Dichloropropane	7.21	77	71878	20.938	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	42423	19.311	ug/l	96
28) Bromochloromethane	7.55	49	15289	16.728	ug/l	96
29) Tetrahydrofuran	7.57	42	15895	93.932	ug/l	96
30) Chloroform	7.71	83	76592	19.909	ug/l	96
31) Cyclohexane	7.98	56	44271	18.377	ug/l	96
32) 1,1,1-Trichloroethane	7.90	97	83727	20.617	ug/l	99
36) 1,1-Dichloropropene	8.11	75	54055	20.341	ug/l	99
37) Ethyl Acetate	7.30	43	12236	17.084	ug/l #	88
38) Carbon Tetrachloride	8.10	117	83624	20.798	ug/l	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	60809	19.310	ug/l	95
40) Benzene	8.35	78	140546	19.329	ug/l	95
41) Methacrylonitrile	7.52	41	6144	14.924	ug/l #	82
42) 1,2-Dichloroethane	8.43	62	51263	19.781	ug/l	99
43) Isopropyl Acetate	8.46	43	24440	17.343	ug/l	95
44) Trichloroethene	9.11	130	51017	20.407	ug/l	90
45) 1,2-Dichloropropane	9.39	63	26220	17.569	ug/l #	82
46) Dibromomethane	9.48	93	20252	19.517	ug/l	97
47) Bromodichloromethane	9.67	83	56131	18.975	ug/l	92
48) Methyl methacrylate	9.46	41	12788	17.871	ug/l	94
49) 1,4-Dioxane	9.47	88	3602	303.796	ug/l	96
51) 4-Methyl-2-Pentanone	10.23	43	56703	85.016	ug/l	99
52) Toluene	10.41	92	99207	19.514	ug/l	97
53) t-1,3-Dichloropropene	10.63	75	46645	18.269	ug/l	98
54) cis-1,3-Dichloropropene	10.09	75	52974	19.074	ug/l	95
55) 1,1,2-Trichloroethane	10.81	97	25678	18.083	ug/l	98
56) Ethyl methacrylate	10.66	69	24774	17.147	ug/l	98
57) 1,3-Dichloropropane	10.95	76	40137	17.844	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.94	63	51809	78.805	ug/l	94
59) 2-Hexanone	10.99	43	39235	83.447	ug/l	99
60) Dibromochloromethane	11.14	129	41681	19.472	ug/l	97
61) 1,2-Dibromoethane	11.25	107	26620	19.063	ug/l	93
64) Tetrachloroethene	10.88	164	44442	20.102	ug/l	96
65) Chlorobenzene	11.67	112	114696	20.509	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.75	131	46463	20.370	ug/l	98
67) Ethyl Benzene	11.75	91	201779	21.180	ug/l	98
68) m/p-Xylenes	11.86	106	159318	42.411	ug/l	99
69) o-Xylene	12.18	106	70375	21.103	ug/l	99
70) Styrene	12.20	104	122855	21.186	ug/l	100
71) Bromoform	12.37	173	22919	18.982	ug/l #	97
73) Isopropylbenzene	12.48	105	206297	20.809	ug/l	98
74) N-amyl acetate	12.29	43	22178	18.086	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.74	83	24213	18.500	ug/l	98
76) 1,2,3-Trichloropropane	12.79	75	19983m	19.035	ug/l	
77) Bromobenzene	12.77	156	51825	21.028	ug/l	97
78) n-propylbenzene	12.83	91	227269	20.684	ug/l	99
79) 2-Chlorotoluene	12.91	91	135107	20.901	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	177504	20.680	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	7796	17.764	ug/l	99
82) 4-Chlorotoluene	13.01	91	140976	20.445	ug/l	100
83) tert-Butylbenzene	13.23	119	156796	21.467	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	177862	20.839	ug/l	99
85) sec-Butylbenzene	13.41	105	199290	20.443	ug/l	99
86) p-Isopropyltoluene	13.52	119	198093	20.733	ug/l	100
87) 1,3-Dichlorobenzene	13.52	146	93538	19.675	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	95066	19.988	ug/l	99
89) n-Butylbenzene	13.85	91	161319	20.323	ug/l	99
90) Hexachloroethane	14.11	117	34757	19.704	ug/l	99
91) 1,2-Dichlorobenzene	13.89	146	81128	19.675	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	5396	19.754	ug/l	80

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	58955	20.440	ug/l	98
94) Hexachlorobutadiene	15.27	225	37307	19.822	ug/l	98
95) Naphthalene	15.41	128	88172	18.787	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	48830	19.604	ug/l	97

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

