

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD040821\
 Data File : VD068783.D
 Acq On : 08 Apr 2021 12:24
 Operator : VA/SY
 Sample : VD0408SBS01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0408SBS01

Manual Integrations
 APPROVED

MMDadoda
 4/9/2021 7:55:13 PM

Quant Time: Apr 08 16:40:35 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D040721S.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 08 03:50:31 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.985	168	239113	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	403467	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.643	117	381228	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.573	152	185416	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	138205	54.69	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 109.38%			
35) Dibromofluoromethane	7.914	113	146984	56.01	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 112.02%			
50) Toluene-d8	10.338	98	568053	57.38	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 114.76%			
62) 4-Bromofluorobenzene	12.626	95	182257	55.43	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 110.86%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.991	85	52818	22.29	ug/l	98
3) Chloromethane	2.209	50	58546	21.02	ug/l	97
4) Vinyl Chloride	2.350	62	73904	21.12	ug/l	96
5) Bromomethane	2.756	94	57070	21.82	ug/l	96
6) Chloroethane	2.920	64	48544	21.11	ug/l	93
7) Trichlorofluoromethane	3.273	101	90357	21.95	ug/l	93
8) Diethyl Ether	3.708	74	20282	18.24	ug/l	96
9) 1,1,2-Trichlorotrifluo...	4.103	101	45161	18.17	ug/l	94
10) Methyl Iodide	4.303	142	42087	16.07	ug/l	98
11) Tert butyl alcohol	5.214	59	14188m	86.20	ug/l	
12) 1,1-Dichloroethene	4.067	96	44264	18.49	ug/l	98
13) Acrolein	3.920	56	9136	91.85	ug/l	95
14) Allyl chloride	4.714	41	47652	17.67	ug/l	97
15) Acrylonitrile	5.420	53	47423	95.03	ug/l	97
16) Acetone	4.161	43	33000	94.30	ug/l	96
17) Carbon Disulfide	4.408	76	147566	19.05	ug/l #	94
18) Methyl Acetate	4.720	43	17230	17.92	ug/l #	75
19) Methyl tert-butyl Ether	5.479	73	99870	18.81	ug/l	97
20) Methylene Chloride	4.967	84	56881	16.88	ug/l	99
21) trans-1,2-Dichloroethene	5.467	96	60577	19.71	ug/l	97
22) Diisopropyl ether	6.361	45	131460	20.11	ug/l #	94
23) Vinyl Acetate	6.302	43	334037	96.44	ug/l	98
24) 1,1-Dichloroethane	6.267	63	99927	20.28	ug/l	98
25) 2-Butanone	7.220	43	52174	105.36	ug/l	96
26) 2,2-Dichloropropane	7.208	77	89403	22.21	ug/l	98
27) cis-1,2-Dichloroethene	7.214	96	66751	21.85	ug/l	99
28) Bromochloromethane	7.544	49	32620	18.34	ug/l	98
29) Tetrahydrofuran	7.567	42	31577	94.82	ug/l	96
30) Chloroform	7.714	83	107602	19.95	ug/l	96
31) Cyclohexane	7.985	56	83899	19.95	ug/l	94
32) 1,1,1-Trichloroethane	7.902	97	94821	20.12	ug/l	99
36) 1,1-Dichloropropene	8.108	75	83799	20.52	ug/l	99
37) Ethyl Acetate	7.291	43	22394	18.67	ug/l	96
38) Carbon Tetrachloride	8.091	117	84968	21.01	ug/l	99
39) Methylcyclohexane	9.355	83	97265	20.42	ug/l	96
40) Benzene	8.349	78	245174	20.52	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.526	41	12697m	17.88	ug/l	
42) 1,2-Dichloroethane	8.426	62	65016	20.58	ug/l	97
43) Isopropyl Acetate	8.449	43	46860	19.16	ug/l	99
44) Trichloroethene	9.114	130	67770	20.53	ug/l	89
45) 1,2-Dichloropropane	9.385	63	58057	20.34	ug/l	92
46) Dibromomethane	9.473	93	33351	20.97	ug/l	99
47) Bromodichloromethane	9.661	83	84252	20.28	ug/l	97
48) Methyl methacrylate	9.461	41	22473	18.65	ug/l #	85
49) 1,4-Dioxane	9.461	88	7175	426.20	ug/l	88
51) 4-Methyl-2-Pentanone	10.226	43	122054	99.03	ug/l	96
52) Toluene	10.402	92	158879	21.00	ug/l	98
53) t-1,3-Dichloropropene	10.620	75	77414	21.03	ug/l	97
54) cis-1,3-Dichloropropene	10.090	75	90591	20.57	ug/l	98
55) 1,1,2-Trichloroethane	10.802	97	46404	20.64	ug/l	97
56) Ethyl methacrylate	10.661	69	45750	19.77	ug/l	99
57) 1,3-Dichloropropane	10.949	76	74934	20.24	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.943	63	102263	94.35	ug/l	98
59) 2-Hexanone	10.985	43	82283	99.77	ug/l	97
60) Dibromochloromethane	11.137	129	58746	20.84	ug/l	98
61) 1,2-Dibromoethane	11.243	107	45063	20.62	ug/l	99
64) Tetrachloroethene	10.879	164	56239	21.05	ug/l	95
65) Chlorobenzene	11.667	112	173975	21.08	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.743	131	60749	20.47	ug/l	97
67) Ethyl Benzene	11.743	91	288998	20.22	ug/l	97
68) m/p-Xylenes	11.849	106	228166	41.38	ug/l	98
69) o-Xylene	12.179	106	98066	19.56	ug/l	98
70) Styrene	12.190	104	178426	20.42	ug/l	99
71) Bromoform	12.361	173	32246	20.29	ug/l #	98
73) Isopropylbenzene	12.479	105	277958	20.53	ug/l	98
74) N-amyl acetate	12.284	43	42464	18.50	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.726	83	50929	20.13	ug/l	98
76) 1,2,3-Trichloropropane	12.779	75	32996m	19.48	ug/l	
77) Bromobenzene	12.761	156	65970	20.27	ug/l	97
78) n-propylbenzene	12.814	91	340042	20.68	ug/l	100
79) 2-Chlorotoluene	12.902	91	181833	19.80	ug/l	96
80) 1,3,5-Trimethylbenzene	12.955	105	233288	20.61	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.526	75	14339	19.65	ug/l	96
82) 4-Chlorotoluene	13.002	91	195882	20.12	ug/l	96
83) tert-Butylbenzene	13.220	119	191886	19.98	ug/l	99
84) 1,2,4-Trimethylbenzene	13.267	105	236709	20.71	ug/l	99
85) sec-Butylbenzene	13.396	105	280195	20.68	ug/l	99
86) p-Isopropyltoluene	13.514	119	247420	19.99	ug/l	99
87) 1,3-Dichlorobenzene	13.514	146	132520	20.55	ug/l	99
88) 1,4-Dichlorobenzene	13.590	146	130824	20.50	ug/l	98
89) n-Butylbenzene	13.837	91	235607	20.21	ug/l	99
90) Hexachloroethane	14.108	117	49995	20.28	ug/l	97
91) 1,2-Dichlorobenzene	13.884	146	113493	20.34	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.502	75	7101	18.46	ug/l	97
93) 1,2,4-Trichlorobenzene	15.155	180	68444	19.82	ug/l	99
94) Hexachlorobutadiene	15.261	225	39416	19.94	ug/l	96
95) Naphthalene	15.396	128	113752	18.91	ug/l	100
96) 1,2,3-Trichlorobenzene	15.590	180	60573	20.06	ug/l	99

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

