

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD120121\
 Data File : VD071098.D
 Acq On : 01 Dec 2021 11:11
 Operator : VA/SY
 Sample : VD1201SBS01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1201SBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 12/02/2021
 Supervised By : Mahesh Dadoda 12/03/2021

Quant Time: Dec 02 03:13:04 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D112921S.M
 Quant Title : SW846 8260
 QLast Update : Mon Nov 29 17:54:09 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.979	168	284778	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	472174	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.644	117	425395	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	197823	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	167142	50.019	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 100.040%			
35) Dibromofluoromethane	7.914	113	163822	54.485	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 108.960%			
50) Toluene-d8	10.338	98	601274	52.549	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 105.100%			
62) 4-Bromofluorobenzene	12.626	95	206514	52.067	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 104.140%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.991	85	49803	20.508	ug/l	98
3) Chloromethane	2.215	50	65042	20.245	ug/l	99
4) Vinyl Chloride	2.356	62	72361	20.188	ug/l	98
5) Bromomethane	2.773	94	54648	21.149	ug/l	96
6) Chloroethane	2.932	64	48457	19.655	ug/l	94
7) Trichlorofluoromethane	3.279	101	92778	19.107	ug/l	91
8) Diethyl Ether	3.715	74	22800	17.320	ug/l	97
9) 1,1,2-Trichlorotrifluo...	4.109	101	54327	18.964	ug/l	94
10) Methyl Iodide	4.303	142	41599	15.912	ug/l #	90
11) Tert butyl alcohol	5.203	59	30478	95.125	ug/l #	76
12) 1,1-Dichloroethene	4.073	96	46753	17.685	ug/l	82
13) Acrolein	3.920	56	21584	94.522	ug/l	98
14) Allyl chloride	4.715	41	93423	18.604	ug/l #	82
15) Acrylonitrile	5.420	53	53979	84.317	ug/l	95
16) Acetone	4.156	43	53682	83.844	ug/l #	82
17) Carbon Disulfide	4.415	76	147677	19.079	ug/l	97
18) Methyl Acetate	4.715	43	44824	18.181	ug/l	94
19) Methyl tert-butyl Ether	5.473	73	111099	17.147	ug/l	97
20) Methylene Chloride	4.962	84	66234	16.876	ug/l	94
21) trans-1,2-Dichloroethene	5.473	96	57067	19.176	ug/l	95
22) Diisopropyl ether	6.356	45	183251	18.214	ug/l	92
23) Vinyl Acetate	6.303	43	385049	90.286	ug/l	100
24) 1,1-Dichloroethane	6.267	63	106220	18.356	ug/l	98
25) 2-Butanone	7.208	43	68925	87.987	ug/l	91
26) 2,2-Dichloropropane	7.208	77	89104	16.933	ug/l	97
27) cis-1,2-Dichloroethene	7.208	96	59876	17.784	ug/l	89
28) Bromochloromethane	7.544	49	51863	20.634	ug/l #	91
29) Tetrahydrofuran	7.561	42	45133	85.060	ug/l	93
30) Chloroform	7.703	83	105125	18.101	ug/l	92
31) Cyclohexane	7.985	56	103290	18.172	ug/l	93
32) 1,1,1-Trichloroethane	7.903	97	97198	18.641	ug/l	95
36) 1,1-Dichloropropene	8.108	75	82788	18.760	ug/l	97
37) Ethyl Acetate	7.291	43	31600	16.577	ug/l #	94
38) Carbon Tetrachloride	8.097	117	82900	19.057	ug/l	96
39) Methylcyclohexane	9.355	83	96745	18.226	ug/l	96
40) Benzene	8.350	78	229238	19.124	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.514	41	20906	24.489	ug/l #	72
42) 1,2-Dichloroethane	8.420	62	67823	18.536	ug/l	95
43) Isopropyl Acetate	8.450	43	62116	18.485	ug/l	91
44) Trichloroethene	9.108	130	58077	18.171	ug/l	95
45) 1,2-Dichloropropane	9.385	63	60649	19.239	ug/l	98
46) Dibromomethane	9.473	93	28345	17.331	ug/l	94
47) Bromodichloromethane	9.661	83	81171	18.766	ug/l #	97
48) Methyl methacrylate	9.455	41	32840	17.599	ug/l #	78
49) 1,4-Dioxane	9.455	88	5487	347.546	ug/l #	85
51) 4-Methyl-2-Pentanone	10.220	43	161777	96.684	ug/l	90
52) Toluene	10.397	92	142970	18.798	ug/l	96
53) t-1,3-Dichloropropene	10.614	75	68560	17.240	ug/l	97
54) cis-1,3-Dichloropropene	10.085	75	85181	18.033	ug/l #	80
55) 1,1,2-Trichloroethane	10.797	97	38645	18.012	ug/l	96
56) Ethyl methacrylate	10.661	69	44266	18.590	ug/l #	74
57) 1,3-Dichloropropane	10.938	76	69746	18.504	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.938	63	144754	99.145	ug/l	100
59) 2-Hexanone	10.979	43	109033	92.581	ug/l	91
60) Dibromochloromethane	11.132	129	47028	17.636	ug/l	98
61) 1,2-Dibromoethane	11.238	107	37311	18.107	ug/l	99
64) Tetrachloroethene	10.873	164	49352	18.274	ug/l	97
65) Chlorobenzene	11.661	112	144927	18.362	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.738	131	52034	18.056	ug/l	98
67) Ethyl Benzene	11.738	91	270283	18.190	ug/l	99
68) m/p-Xylenes	11.849	106	203349	36.250	ug/l	96
69) o-Xylene	12.173	106	95761	18.163	ug/l	99
70) Styrene	12.191	104	157433	17.717	ug/l	98
71) Bromoform	12.355	173	25716	17.224	ug/l #	99
73) Isopropylbenzene	12.473	105	254455	17.764	ug/l	99
74) N-amyl acetate	12.279	43	55587	18.259	ug/l #	87
75) 1,1,2,2-Tetrachloroethane	12.720	83	41475	17.583	ug/l	95
76) 1,2,3-Trichloropropane	12.773	75	29376m	15.586	ug/l	
77) Bromobenzene	12.749	156	54648	17.614	ug/l	96
78) n-propylbenzene	12.814	91	325292	18.236	ug/l	100
79) 2-Chlorotoluene	12.896	91	179147	17.894	ug/l	100
80) 1,3,5-Trimethylbenzene	12.949	105	211830	17.934	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.520	75	10462	17.257	ug/l #	67
82) 4-Chlorotoluene	12.996	91	184359	17.737	ug/l	98
83) tert-Butylbenzene	13.214	119	179491	17.694	ug/l	95
84) 1,2,4-Trimethylbenzene	13.261	105	204247	17.711	ug/l	100
85) sec-Butylbenzene	13.390	105	273010	17.621	ug/l	99
86) p-Isopropyltoluene	13.508	119	223869	17.666	ug/l	98
87) 1,3-Dichlorobenzene	13.508	146	113482	18.374	ug/l	98
88) 1,4-Dichlorobenzene	13.585	146	112360	18.363	ug/l	98
89) n-Butylbenzene	13.832	91	219662	17.757	ug/l	97
90) Hexachloroethane	14.102	117	43716	18.198	ug/l	92
91) 1,2-Dichlorobenzene	13.879	146	94417	17.977	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.496	75	6499	16.918	ug/l	92
93) 1,2,4-Trichlorobenzene	15.149	180	56079	17.117	ug/l	99
94) Hexachlorobutadiene	15.249	225	32135	17.336	ug/l	99
95) Naphthalene	15.385	128	93680	16.221	ug/l	98
96) 1,2,3-Trichlorobenzene	15.579	180	47093	16.924	ug/l	98

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

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