

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD120921\
 Data File : VD071219.D
 Acq On : 09 Dec 2021 09:54
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 12/10/2021
 Supervised By : Amit Patel 12/14/2021

Quant Time: Dec 10 06:41:05 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	245550	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	412183	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	369363	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	180496	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	145825	50.61	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 101.22%			
35) Dibromofluoromethane	7.914	113	138066	52.60	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 105.20%			
50) Toluene-d8	10.338	98	495443	49.60	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 99.20%			
62) 4-Bromofluorobenzene	12.626	95	178139	51.45	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 102.90%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.991	85	97849	46.73	ug/l	92
3) Chloromethane	2.215	50	141520	51.09	ug/l	99
4) Vinyl Chloride	2.356	62	172624	55.85	ug/l	96
5) Bromomethane	2.773	94	121474	54.52	ug/l	97
6) Chloroethane	2.926	64	126229	59.38	ug/l	88
7) Trichlorofluoromethane	3.279	101	222204	53.07	ug/l	96
8) Diethyl Ether	3.709	74	63211	55.69	ug/l	95
9) 1,1,2-Trichlorotrifluo...	4.103	101	136208	55.14	ug/l	94
10) Methyl Iodide	4.303	142	132570	46.52	ug/l	95
11) Tert butyl alcohol	5.203	59	49499	271.96	ug/l #	90
12) 1,1-Dichloroethene	4.079	96	118189	51.85	ug/l	87
13) Acrolein	3.920	56	36506	185.41	ug/l	100
14) Allyl chloride	4.720	41	234804	54.23	ug/l #	81
15) Acrylonitrile	5.420	53	161151	291.94	ug/l	96
16) Acetone	4.150	43	206035	266.92	ug/l	88
17) Carbon Disulfide	4.414	76	318508	47.72	ug/l	96
18) Methyl Acetate	4.714	43	119044	56.00	ug/l	93
19) Methyl tert-butyl Ether	5.479	73	310656	55.61	ug/l	97
20) Methylene Chloride	4.961	84	149294	51.47	ug/l	90
21) trans-1,2-Dichloroethene	5.473	96	137427	53.56	ug/l	93
22) Diisopropyl ether	6.361	45	494092	56.96	ug/l	90
23) Vinyl Acetate	6.303	43	1192825	253.80	ug/l	98
24) 1,1-Dichloroethane	6.267	63	281282	56.37	ug/l	99
25) 2-Butanone	7.208	43	230877	260.00	ug/l	90
26) 2,2-Dichloropropane	7.208	77	239019	52.68	ug/l	96
27) cis-1,2-Dichloroethene	7.208	96	163149	56.20	ug/l	93
28) Bromochloromethane	7.544	49	116016	53.53	ug/l	90
29) Tetrahydrofuran	7.561	42	132040	288.60	ug/l	91
30) Chloroform	7.708	83	287264	57.37	ug/l	97
31) Cyclohexane	7.985	56	242728	49.53	ug/l	98
32) 1,1,1-Trichloroethane	7.902	97	254147	56.53	ug/l	94
36) 1,1-Dichloropropene	8.108	75	210328	54.60	ug/l	97
37) Ethyl Acetate	7.291	43	89993	54.08	ug/l	96
38) Carbon Tetrachloride	8.097	117	219000	57.67	ug/l	97
39) Methylcyclohexane	9.349	83	240585	51.92	ug/l	100
40) Benzene	8.350	78	581480	55.57	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.520	41	57393	66.25	ug/l #	76
42) 1,2-Dichloroethane	8.420	62	185507	58.08	ug/l	94
43) Isopropyl Acetate	8.450	43	183220	50.03	ug/l #	89
44) Trichloroethene	9.108	130	154977	55.55	ug/l	100
45) 1,2-Dichloropropane	9.385	63	156851	57.00	ug/l	99
46) Dibromomethane	9.473	93	80736	56.55	ug/l	95
47) Bromodichloromethane	9.655	83	221560	58.68	ug/l	96
48) Methyl methacrylate	9.449	41	93196	57.21	ug/l #	79
49) 1,4-Dioxane	9.461	88	16569	1202.22	ug/l #	88
51) 4-Methyl-2-Pentanone	10.220	43	485991	257.89	ug/l	90
52) Toluene	10.402	92	370896	55.86	ug/l	98
53) t-1,3-Dichloropropene	10.614	75	197206	56.81	ug/l	97
54) cis-1,3-Dichloropropene	10.085	75	232519	56.39	ug/l #	85
55) 1,1,2-Trichloroethane	10.796	97	108911	58.15	ug/l	96
56) Ethyl methacrylate	10.655	69	136281	50.48	ug/l #	74
57) 1,3-Dichloropropane	10.943	76	191327	58.15	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.938	63	348701	273.59	ug/l	99
59) 2-Hexanone	10.979	43	358168	252.86	ug/l	89
60) Dibromochloromethane	11.138	129	141487	60.78	ug/l	98
61) 1,2-Dibromoethane	11.243	107	102560	57.02	ug/l	99
64) Tetrachloroethene	10.873	164	125267	53.42	ug/l	96
65) Chlorobenzene	11.667	112	390306	56.95	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.738	131	146135	58.40	ug/l	97
67) Ethyl Benzene	11.738	91	729318	56.53	ug/l	99
68) m/p-Xylenes	11.849	106	552229	113.38	ug/l	96
69) o-Xylene	12.173	106	258760	56.52	ug/l	95
70) Styrene	12.190	104	445900	57.79	ug/l	97
71) Bromoform	12.355	173	75699	58.39	ug/l #	98
73) Isopropylbenzene	12.473	105	710195	54.34	ug/l	99
74) N-amyl acetate	12.279	43	175697	49.20	ug/l #	89
75) 1,1,2,2-Tetrachloroethane	12.720	83	120882	56.17	ug/l	99
76) 1,2,3-Trichloropropane	12.779	75	87023m	50.60	ug/l	
77) Bromobenzene	12.749	156	151408	53.49	ug/l	95
78) n-propylbenzene	12.814	91	891377	54.77	ug/l	100
79) 2-Chlorotoluene	12.902	91	488725	53.50	ug/l	99
80) 1,3,5-Trimethylbenzene	12.949	105	584560	54.24	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.520	75	33286	45.82	ug/l #	72
82) 4-Chlorotoluene	12.996	91	509342	53.71	ug/l	100
83) tert-Butylbenzene	13.214	119	502626	54.31	ug/l	95
84) 1,2,4-Trimethylbenzene	13.261	105	581505	55.27	ug/l	98
85) sec-Butylbenzene	13.390	105	774648	54.80	ug/l	99
86) p-Isopropyltoluene	13.508	119	631040	54.58	ug/l	97
87) 1,3-Dichlorobenzene	13.508	146	310405	55.08	ug/l	99
88) 1,4-Dichlorobenzene	13.585	146	303256	54.32	ug/l	98
89) n-Butylbenzene	13.832	91	621923	55.10	ug/l	98
90) Hexachloroethane	14.102	117	123615	56.40	ug/l	92
91) 1,2-Dichlorobenzene	13.879	146	264687	55.23	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.496	75	19843	56.61	ug/l	99
93) 1,2,4-Trichlorobenzene	15.149	180	160158	53.58	ug/l	98
94) Hexachlorobutadiene	15.249	225	91520	54.11	ug/l	99
95) Naphthalene	15.384	128	294223	55.84	ug/l	100
96) 1,2,3-Trichlorobenzene	15.579	180	133386	52.54	ug/l	97

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

