

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD122121\
 Data File : VD071424.D
 Acq On : 21 Dec 2021 21:30
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 12/22/2021
 Supervised By : Amit Patel 12/24/2021

Quant Time: Dec 21 21:47:57 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	320163	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	560543	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	522272	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	261502	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	194683	51.822	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 103.640%			
35) Dibromofluoromethane	7.914	113	178317	49.956	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 99.920%			
50) Toluene-d8	10.338	98	605092	44.545	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 89.100%			
62) 4-Bromofluorobenzene	12.626	95	239676	50.902	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 101.800%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.991	85	111453	40.821	ug/l	95
3) Chloromethane	2.209	50	163812	45.352	ug/l	94
4) Vinyl Chloride	2.350	62	192906	47.870	ug/l	95
5) Bromomethane	2.773	94	142129	48.926	ug/l	96
6) Chloroethane	2.920	64	143716	51.852	ug/l	92
7) Trichlorofluoromethane	3.279	101	291200	53.343	ug/l	96
8) Diethyl Ether	3.709	74	92288	62.359	ug/l	97
9) 1,1,2-Trichlorotrifluo...	4.103	101	163978	50.913	ug/l	96
10) Methyl Iodide	4.303	142	181437	48.600	ug/l	95
11) Tert butyl alcohol	5.214	59	80457	350.781	ug/l #	94
12) 1,1-Dichloroethene	4.073	96	148840	50.078	ug/l	90
13) Acrolein	3.920	56	58939	229.582	ug/l	96
14) Allyl chloride	4.714	41	314908	55.780	ug/l #	79
15) Acrylonitrile	5.420	53	244822	340.154	ug/l	95
16) Acetone	4.156	43	274065	271.690	ug/l #	86
17) Carbon Disulfide	4.415	76	351803	40.427	ug/l	98
18) Methyl Acetate	4.714	43	187893	67.787	ug/l	92
19) Methyl tert-butyl Ether	5.473	73	470309	64.567	ug/l	99
20) Methylene Chloride	4.967	84	223515	59.777	ug/l	90
21) trans-1,2-Dichloroethene	5.473	96	174254	52.083	ug/l	88
22) Diisopropyl ether	6.361	45	701186	61.992	ug/l	91
23) Vinyl Acetate	6.309	43	1752809	282.582	ug/l	98
24) 1,1-Dichloroethane	6.261	63	382661	58.819	ug/l	98
25) 2-Butanone	7.208	43	339597	289.677	ug/l #	86
26) 2,2-Dichloropropane	7.208	77	308296	52.113	ug/l	96
27) cis-1,2-Dichloroethene	7.214	96	225195	59.495	ug/l	95
28) Bromochloromethane	7.544	49	155901	55.172	ug/l	92
29) Tetrahydrofuran	7.561	42	209659	351.462	ug/l	93
30) Chloroform	7.708	83	397210	60.836	ug/l	98
31) Cyclohexane	7.985	56	290630	45.481	ug/l	98
32) 1,1,1-Trichloroethane	7.903	97	338898	57.813	ug/l	95
36) 1,1-Dichloropropene	8.108	75	264547	50.496	ug/l	98
37) Ethyl Acetate	7.285	43	150038	66.299	ug/l #	92
38) Carbon Tetrachloride	8.097	117	276696	53.578	ug/l	97
39) Methylcyclohexane	9.350	83	290116	46.040	ug/l	98
40) Benzene	8.344	78	764804	53.743	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.520	41	95633	76.547	ug/l #	74
42) 1,2-Dichloroethane	8.420	62	263963	60.767	ug/l	95
43) Isopropyl Acetate	8.450	43	289993	57.376	ug/l #	88
44) Trichloroethene	9.108	130	198425	52.296	ug/l	93
45) 1,2-Dichloropropane	9.385	63	211828	56.602	ug/l	95
46) Dibromomethane	9.473	93	115653	59.565	ug/l	94
47) Bromodichloromethane	9.655	83	306421	59.675	ug/l	99
48) Methyl methacrylate	9.450	41	134677	60.797	ug/l #	79
49) 1,4-Dioxane	9.455	88	26298	1403.113	ug/l #	94
51) 4-Methyl-2-Pentanone	10.220	43	778321	298.254	ug/l	90
52) Toluene	10.397	92	492207	54.513	ug/l	97
53) t-1,3-Dichloropropene	10.614	75	287731	60.947	ug/l	99
54) cis-1,3-Dichloropropene	10.085	75	323101	57.616	ug/l #	77
55) 1,1,2-Trichloroethane	10.797	97	154064	60.486	ug/l	96
56) Ethyl methacrylate	10.655	69	212192	56.928	ug/l #	74
57) 1,3-Dichloropropane	10.938	76	278657	62.276	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.938	63	521494	300.874	ug/l	98
59) 2-Hexanone	10.979	43	550727	281.376	ug/l	88
60) Dibromochloromethane	11.132	129	200305	63.274	ug/l	99
61) 1,2-Dibromoethane	11.238	107	152602	62.382	ug/l	100
64) Tetrachloroethene	10.873	164	163227	49.230	ug/l	95
65) Chlorobenzene	11.661	112	537956	55.514	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.732	131	206443	58.347	ug/l	99
67) Ethyl Benzene	11.738	91	998535	54.737	ug/l	99
68) m/p-Xylenes	11.849	106	741718	107.696	ug/l	94
69) o-Xylene	12.173	106	364924	56.376	ug/l	97
70) Styrene	12.185	104	626052	57.386	ug/l	96
71) Bromoform	12.349	173	114992	62.734	ug/l #	97
73) Isopropylbenzene	12.473	105	976082	51.549	ug/l	99
74) N-amyl acetate	12.279	43	279764	53.514	ug/l #	88
75) 1,1,2,2-Tetrachloroethane	12.720	83	195578	62.722	ug/l	97
76) 1,2,3-Trichloropropane	12.773	75	153465m	61.596	ug/l	
77) Bromobenzene	12.755	156	212902	51.911	ug/l	94
78) n-propylbenzene	12.814	91	1196236	50.730	ug/l	99
79) 2-Chlorotoluene	12.896	91	680219	51.397	ug/l	99
80) 1,3,5-Trimethylbenzene	12.949	105	816627	52.301	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.520	75	54002	50.615	ug/l #	72
82) 4-Chlorotoluene	12.996	91	699214	50.890	ug/l	99
83) tert-Butylbenzene	13.214	119	699204	52.143	ug/l	95
84) 1,2,4-Trimethylbenzene	13.261	105	796892	52.275	ug/l	98
85) sec-Butylbenzene	13.390	105	1033070	50.441	ug/l	100
86) p-Isopropyltoluene	13.502	119	862745	51.504	ug/l	97
87) 1,3-Dichlorobenzene	13.508	146	430467	52.726	ug/l	97
88) 1,4-Dichlorobenzene	13.585	146	425125	52.558	ug/l	98
89) n-Butylbenzene	13.832	91	838595	51.283	ug/l	98
90) Hexachloroethane	14.102	117	165385	52.082	ug/l	92
91) 1,2-Dichlorobenzene	13.879	146	375128	54.030	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.485	75	30814	60.682	ug/l	97
93) 1,2,4-Trichlorobenzene	15.149	180	228443	52.749	ug/l	98
94) Hexachlorobutadiene	15.249	225	118143	48.214	ug/l	98
95) Naphthalene	15.384	128	486528	63.728	ug/l	99
96) 1,2,3-Trichlorobenzene	15.579	180	197271	53.631	ug/l	95

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

