

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD122521\
 Data File : VD071476.D
 Acq On : 25 Dec 2021 23:43
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 6.99G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 12/27/2021
 Supervised By : Mahesh Dadoda 01/02/2022

Quant Time: Dec 27 00:53:33 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D122221S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 23 08:20:24 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.973	168	544148	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	938909	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	850000	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	398619	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	356133	49.280	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	98.560%		
35) Dibromofluoromethane	7.909	113	312082	49.457	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	98.920%		
50) Toluene-d8	10.332	98	1100732	46.159	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	92.320%		
62) 4-Bromofluorobenzene	12.620	95	413017	48.741	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	97.480%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.991	85	238403	41.812	ug/l	98
3) Chloromethane	2.209	50	316821	43.394	ug/l	98
4) Vinyl Chloride	2.350	62	330226	37.743	ug/l	99
5) Bromomethane	2.773	94	232204	37.937	ug/l	96
6) Chloroethane	2.926	64	229158	39.466	ug/l	91
7) Trichlorofluoromethane	3.279	101	496328	46.339	ug/l	94
8) Diethyl Ether	3.709	74	162320	52.936	ug/l	95
9) 1,1,2-Trichlorotrifluo...	4.097	101	291602	46.796	ug/l	97
10) Methyl Iodide	4.303	142	357612	59.013	ug/l	96
11) Tert butyl alcohol	5.209	59	121838	218.285	ug/l #	85
12) 1,1-Dichloroethene	4.073	96	274123	48.354	ug/l	84
13) Acrolein	3.920	56	90500	259.238	ug/l	97
14) Allyl chloride	4.715	41	559153	52.146	ug/l #	82
15) Acrylonitrile	5.415	53	399206	264.363	ug/l	96
16) Acetone	4.156	43	430354	237.083	ug/l #	87
17) Carbon Disulfide	4.415	76	742533	40.199	ug/l	99
18) Methyl Acetate	4.715	43	282631	50.446	ug/l	94
19) Methyl tert-butyl Ether	5.473	73	786779	53.762	ug/l	100
20) Methylene Chloride	4.962	84	364820	53.534	ug/l	89
21) trans-1,2-Dichloroethene	5.467	96	313615	47.762	ug/l	89
22) Diisopropyl ether	6.362	45	1168100	53.511	ug/l	93
23) Vinyl Acetate	6.303	43	2956604	262.737	ug/l	99
24) 1,1-Dichloroethane	6.262	63	644674	51.515	ug/l	99
25) 2-Butanone	7.209	43	525747	242.482	ug/l	90
26) 2,2-Dichloropropane	7.209	77	502162	48.837	ug/l	96
27) cis-1,2-Dichloroethene	7.209	96	367812	50.643	ug/l	91
28) Bromochloromethane	7.544	49	235435	45.910	ug/l	94
29) Tetrahydrofuran	7.556	42	321543	246.998	ug/l	94
30) Chloroform	7.703	83	656619	52.001	ug/l	98
31) Cyclohexane	7.979	56	500850	40.798	ug/l	98
32) 1,1,1-Trichloroethane	7.903	97	559837	49.991	ug/l	96
36) 1,1-Dichloropropene	8.108	75	450555	44.692	ug/l	98
37) Ethyl Acetate	7.291	43	232225	49.895	ug/l #	93
38) Carbon Tetrachloride	8.091	117	460493	46.298	ug/l	97
39) Methylcyclohexane	9.350	83	485397	41.131	ug/l	97
40) Benzene	8.350	78	1294273	47.756	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.514	41	161330	58.357	ug/l #	71
42) 1,2-Dichloroethane	8.420	62	447247	50.608	ug/l	93
43) Isopropyl Acetate	8.450	43	465801	50.431	ug/l #	89
44) Trichloroethene	9.108	130	333188	47.177	ug/l	100
45) 1,2-Dichloropropane	9.379	63	342411	48.690	ug/l	100
46) Dibromomethane	9.473	93	184574	47.506	ug/l	95
47) Bromodichloromethane	9.655	83	485871	49.256	ug/l	98
48) Methyl methacrylate	9.450	41	212890	46.578	ug/l #	82
49) 1,4-Dioxane	9.455	88	39815	906.847	ug/l #	92
51) 4-Methyl-2-Pentanone	10.220	43	1154281	237.536	ug/l	92
52) Toluene	10.397	92	819211	47.584	ug/l	96
53) t-1,3-Dichloropropene	10.614	75	448487	48.689	ug/l	99
54) cis-1,3-Dichloropropene	10.085	75	519917	48.845	ug/l #	82
55) 1,1,2-Trichloroethane	10.791	97	250828	50.861	ug/l	95
56) Ethyl methacrylate	10.655	69	353116	54.412	ug/l #	75
57) 1,3-Dichloropropane	10.938	76	441784	48.906	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.938	63	727256	233.944	ug/l	100
59) 2-Hexanone	10.973	43	920256	267.916	ug/l	83
60) Dibromochloromethane	11.132	129	306384	49.421	ug/l	99
61) 1,2-Dibromoethane	11.238	107	237963	48.717	ug/l	99
64) Tetrachloroethene	10.867	164	271775	46.011	ug/l	95
65) Chlorobenzene	11.661	112	855769	49.082	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.732	131	318551	50.012	ug/l	98
67) Ethyl Benzene	11.738	91	1595159	49.160	ug/l	100
68) m/p-Xylenes	11.844	106	1176355	95.423	ug/l	93
69) o-Xylene	12.173	106	585632	51.971	ug/l	97
70) Styrene	12.185	104	993054	50.729	ug/l	96
71) Bromoform	12.349	173	168719	48.950	ug/l #	97
73) Isopropylbenzene	12.467	105	1539070	50.081	ug/l	99
74) N-amyl acetate	12.279	43	526831	63.896	ug/l #	81
75) 1,1,2,2-Tetrachloroethane	12.720	83	293178	52.767	ug/l	98
76) 1,2,3-Trichloropropane	12.773	75	183626m	38.770	ug/l	
77) Bromobenzene	12.749	156	338466	49.494	ug/l	94
78) n-propylbenzene	12.808	91	1863245	48.370	ug/l	99
79) 2-Chlorotoluene	12.896	91	1080094	50.173	ug/l	97
80) 1,3,5-Trimethylbenzene	12.949	105	1274314	50.272	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.514	75	75120	44.814	ug/l #	76
82) 4-Chlorotoluene	12.996	91	1110185	49.717	ug/l	100
83) tert-Butylbenzene	13.214	119	1100571	50.811	ug/l	97
84) 1,2,4-Trimethylbenzene	13.255	105	1264514	50.404	ug/l	98
85) sec-Butylbenzene	13.391	105	1610302	48.765	ug/l	99
86) p-Isopropyltoluene	13.502	119	1321625	48.236	ug/l	98
87) 1,3-Dichlorobenzene	13.502	146	653761	47.470	ug/l	97
88) 1,4-Dichlorobenzene	13.585	146	655091	48.511	ug/l	98
89) n-Butylbenzene	13.826	91	1278163	47.529	ug/l	99
90) Hexachloroethane	14.096	117	242424	46.706	ug/l	93
91) 1,2-Dichlorobenzene	13.873	146	581232	49.728	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.491	75	48851	50.700	ug/l	91
93) 1,2,4-Trichlorobenzene	15.149	180	361335	50.730	ug/l	95
94) Hexachlorobutadiene	15.255	225	179867	47.139	ug/l	99
95) Naphthalene	15.385	128	723318	53.351	ug/l	99
96) 1,2,3-Trichlorobenzene	15.579	180	312867	50.785	ug/l	97

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

