

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD072122\
 Data File : VD073889.D
 Acq On : 21 Jul 2022 10:54
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By :Mahesh
 Dadoda

07/22/2022
 Supervised By :Semsettin
 Yesilyurt

Quant Time: Jul 22 01:17:56 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D071822S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 20 15:29:08 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.967	168	150641	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	253021	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.632	117	229478	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	119434	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.320	65	90028	50.048	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 100.100%	
35) Dibromofluoromethane	7.908	113	93259	52.246	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 104.500%	
50) Toluene-d8	10.332	98	342481	52.852	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 105.700%	
62) 4-Bromofluorobenzene	12.620	95	119631	53.695	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 107.400%	

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.991	85	81422	59.619	ug/l	99
3) Chloromethane	2.209	50	127794	58.008	ug/l	100
4) Vinyl Chloride	2.344	62	167237	48.169	ug/l	99
5) Bromomethane	2.761	94	96926	41.301	ug/l	98
6) Chloroethane	2.914	64	110267	47.119	ug/l	98
7) Trichlorofluoromethane	3.261	101	155907	50.217	ug/l	100
8) Diethyl Ether	3.703	74	41268	54.187	ug/l	83
9) 1,1,2-Trichlorotrifluo...	4.091	101	91911	53.352	ug/l	96
10) Methyl Iodide	4.291	142	96750	57.012	ug/l	98
11) Tert butyl alcohol	5.238	59	25244	261.038	ug/l	96
12) 1,1-Dichloroethene	4.061	96	83656	54.648	ug/l	93
13) Acrolein	3.920	56	22631	271.033	ug/l	99
14) Allyl chloride	4.703	41	111210	49.771	ug/l #	89
15) Acrylonitrile	5.414	53	86626	278.690	ug/l	96
16) Acetone	4.156	43	88444	299.639	ug/l	95
17) Carbon Disulfide	4.403	76	248957	50.896	ug/l	97
18) Methyl Acetate	4.714	43	40109	58.005	ug/l #	87
19) Methyl tert-butyl Ether	5.473	73	205048	55.920	ug/l	95
20) Methylene Chloride	4.955	84	101160	49.127	ug/l	90
21) trans-1,2-Dichloroethene	5.461	96	98398	54.372	ug/l	84
22) Diisopropyl ether	6.361	45	250728	52.729	ug/l #	94
23) Vinyl Acetate	6.297	43	729136	280.926	ug/l #	92
24) 1,1-Dichloroethane	6.255	63	162718	51.809	ug/l	97
25) 2-Butanone	7.202	43	120341	287.245	ug/l #	89
26) 2,2-Dichloropropane	7.202	77	156446	56.093	ug/l	98
27) cis-1,2-Dichloroethene	7.202	96	109595	53.792	ug/l	89
28) Bromochloromethane	7.538	49	63441	53.838	ug/l #	73
29) Tetrahydrofuran	7.555	42	71522	281.542	ug/l #	85
30) Chloroform	7.696	83	183973	53.217	ug/l	96
31) Cyclohexane	7.973	56	141973	49.671	ug/l	86
32) 1,1,1-Trichloroethane	7.891	97	172578	53.659	ug/l	96
36) 1,1-Dichloropropene	8.108	75	135946	52.792	ug/l	95
37) Ethyl Acetate	7.285	43	50352	54.379	ug/l #	90
38) Carbon Tetrachloride	8.091	117	150265	51.096	ug/l	96
39) Methylcyclohexane	9.343	83	158997	52.969	ug/l	93
40) Benzene	8.344	78	372525	53.172	ug/l	99

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41) Methacrylonitrile	7.514	41	29737	51.680	ug/l	#	87
42) 1,2-Dichloroethane	8.414	62	113214	52.799	ug/l		98
43) Isopropyl Acetate	8.444	43	103057	55.694	ug/l	#	93
44) Trichloroethene	9.102	130	107497	54.978	ug/l		95
45) 1,2-Dichloropropane	9.379	63	88114	52.033	ug/l		95
46) Dibromomethane	9.461	93	57406	55.887	ug/l		98
47) Bromodichloromethane	9.649	83	139950	52.623	ug/l		99
48) Methyl methacrylate	9.449	41	49700	54.782	ug/l	#	83
49) 1,4-Dioxane	9.449	88	12034	1119.694	ug/l		89
51) 4-Methyl-2-Pentanone	10.220	43	260352	281.437	ug/l		94
52) Toluene	10.396	92	251972	53.438	ug/l		99
53) t-1,3-Dichloropropene	10.608	75	134146	57.136	ug/l		98
54) cis-1,3-Dichloropropene	10.079	75	150324	55.334	ug/l		94
55) 1,1,2-Trichloroethane	10.790	97	74454	56.983	ug/l		94
56) Ethyl methacrylate	10.649	69	86747	57.347	ug/l		88
57) 1,3-Dichloropropane	10.932	76	121736	54.785	ug/l		100
58) 2-Chloroethyl Vinyl ether	9.932	63	182089	225.119	ug/l		92
59) 2-Hexanone	10.973	43	186625	295.243	ug/l		93
60) Dibromochloromethane	11.126	129	99571	56.254	ug/l		98
61) 1,2-Dibromoethane	11.232	107	74561	56.401	ug/l		99
64) Tetrachloroethene	10.867	164	91013	59.467	ug/l		92
65) Chlorobenzene	11.661	112	269192	56.956	ug/l		100
66) 1,1,1,2-Tetrachloroethane	11.732	131	102530	57.083	ug/l		99
67) Ethyl Benzene	11.732	91	488627	55.995	ug/l		97
68) m/p-Xylenes	11.843	106	399741	117.199	ug/l		94
69) o-Xylene	12.167	106	182686	57.209	ug/l		94
70) Styrene	12.184	104	318263	58.298	ug/l		96
71) Bromoform	12.343	173	58334	60.020	ug/l	#	99
73) Isopropylbenzene	12.467	105	495982	54.829	ug/l		99
74) N-amyl acetate	12.273	43	99901	55.988	ug/l		94
75) 1,1,2,2-Tetrachloroethane	12.714	83	84281	53.904	ug/l		99
76) 1,2,3-Trichloropropane	12.767	75	55772m	43.522	ug/l		
77) Bromobenzene	12.749	156	111877	55.649	ug/l		87
78) n-propylbenzene	12.808	91	599668	54.340	ug/l		97
79) 2-Chlorotoluene	12.896	91	331722	53.585	ug/l		95
80) 1,3,5-Trimethylbenzene	12.943	105	422555	55.415	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.514	75	26138	55.039	ug/l		90
82) 4-Chlorotoluene	12.990	91	355187	54.254	ug/l		97
83) tert-Butylbenzene	13.208	119	363802	55.801	ug/l		97
84) 1,2,4-Trimethylbenzene	13.255	105	415431	54.698	ug/l		97
85) sec-Butylbenzene	13.384	105	549485	55.893	ug/l		98
86) p-Isopropyltoluene	13.502	119	465319	56.211	ug/l		99
87) 1,3-Dichlorobenzene	13.502	146	234073	55.600	ug/l		100
88) 1,4-Dichlorobenzene	13.579	146	231175	55.551	ug/l		99
89) n-Butylbenzene	13.826	91	437630	55.681	ug/l		98
90) Hexachloroethane	14.096	117	81473	49.807	ug/l		98
91) 1,2-Dichlorobenzene	13.873	146	198955	54.698	ug/l		98
92) 1,2-Dibromo-3-Chloropr...	14.490	75	14263	54.324	ug/l		87
93) 1,2,4-Trichlorobenzene	15.143	180	122691	55.252	ug/l		99
94) Hexachlorobutadiene	15.249	225	65172	55.381	ug/l		97
95) Naphthalene	15.378	128	235193	58.926	ug/l		98
96) 1,2,3-Trichlorobenzene	15.573	180	107266	56.816	ug/l		99

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

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