

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD042922\
 Data File : VD072740.D
 Acq On : 29 Apr 2022 14:43
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/02/2022
 Supervised By : Mahesh Dadoda 05/02/2022

Quant Time: Apr 30 02:33:01 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D042722S.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 27 16:01:06 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.973	168	328689	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.856	114	561885	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.632	117	541834	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	257873	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.320	65	210283	48.187	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	96.380%		
35) Dibromofluoromethane	7.909	113	187166	50.019	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	100.040%		
50) Toluene-d8	10.332	98	660913	48.993	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	97.980%		
62) 4-Bromofluorobenzene	12.620	95	248010	48.747	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	97.500%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.991	85	200548	44.772	ug/l	97
3) Chloromethane	2.209	50	216806	42.859	ug/l	96
4) Vinyl Chloride	2.350	62	199683	43.778	ug/l	100
5) Bromomethane	2.762	94	129481	43.946	ug/l	99
6) Chloroethane	2.921	64	121817	44.018	ug/l	100
7) Trichlorofluoromethane	3.268	101	326788	44.791	ug/l	97
8) Diethyl Ether	3.709	74	106846	49.420	ug/l	97
9) 1,1,2-Trichlorotrifluo...	4.091	101	189169	45.478	ug/l	99
10) Methyl Iodide	4.297	142	218735	45.143	ug/l	99
11) Tert butyl alcohol	5.215	59	94021	345.247	ug/l #	93
12) 1,1-Dichloroethene	4.062	96	179197	46.031	ug/l	94
13) Acrolein	3.921	56	94467	255.629	ug/l	97
14) Allyl chloride	4.715	41	312881	47.469	ug/l	94
15) Acrylonitrile	5.409	53	264189	262.172	ug/l	98
16) Acetone	4.150	43	258256	301.976	ug/l	96
17) Carbon Disulfide	4.409	76	593318	45.374	ug/l	99
18) Methyl Acetate	4.715	43	123119	49.961	ug/l	95
19) Methyl tert-butyl Ether	5.473	73	495699	50.802	ug/l	99
20) Methylene Chloride	4.962	84	323214	55.165	ug/l	88
21) trans-1,2-Dichloroethene	5.468	96	213286	46.403	ug/l	92
22) Diisopropyl ether	6.356	45	706670	49.682	ug/l	93
23) Vinyl Acetate	6.297	43	2102255	261.741	ug/l	95
24) 1,1-Dichloroethane	6.256	63	393267	46.889	ug/l	99
25) 2-Butanone	7.203	43	354634	277.877	ug/l	98
26) 2,2-Dichloropropane	7.203	77	322197	46.568	ug/l	97
27) cis-1,2-Dichloroethene	7.203	96	242658	47.643	ug/l	94
28) Bromochloromethane	7.544	49	175546	53.742	ug/l	88
29) Tetrahydrofuran	7.550	42	216733	269.868	ug/l	95
30) Chloroform	7.703	83	408709	47.152	ug/l	98
31) Cyclohexane	7.973	56	326015	43.031	ug/l	93
32) 1,1,1-Trichloroethane	7.891	97	338671	46.110	ug/l	98
36) 1,1-Dichloropropene	8.103	75	294098	46.910	ug/l	97
37) Ethyl Acetate	7.285	43	157493	55.160	ug/l	95
38) Carbon Tetrachloride	8.091	117	294432	46.468	ug/l	99
39) Methylcyclohexane	9.350	83	332035	45.736	ug/l	99
40) Benzene	8.344	78	866011	48.517	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.515	41	87513	53.424	ug/l	91
42) 1,2-Dichloroethane	8.414	62	281692	50.073	ug/l	98
43) Isopropyl Acetate	8.444	43	285848	52.685	ug/l	95
44) Trichloroethene	9.103	130	222088	47.030	ug/l	92
45) 1,2-Dichloropropane	9.373	63	229643	49.746	ug/l	99
46) Dibromomethane	9.467	93	131800	50.409	ug/l	97
47) Bromodichloromethane	9.650	83	327471	49.275	ug/l	99
48) Methyl methacrylate	9.444	41	149597	54.967	ug/l	93
49) 1,4-Dioxane	9.456	88	30515	1057.458	ug/l	100
51) 4-Methyl-2-Pentanone	10.214	43	766283	274.820	ug/l	94
52) Toluene	10.391	92	536717	48.132	ug/l	99
53) t-1,3-Dichloropropene	10.608	75	322737	52.624	ug/l	99
54) cis-1,3-Dichloropropene	10.079	75	365478	51.092	ug/l	93
55) 1,1,2-Trichloroethane	10.791	97	179520	51.008	ug/l	98
56) Ethyl methacrylate	10.650	69	230618	55.923	ug/l	90
57) 1,3-Dichloropropane	10.932	76	310523	51.724	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.932	63	601946	275.951	ug/l	97
59) 2-Hexanone	10.973	43	557713	298.302	ug/l	97
60) Dibromochloromethane	11.126	129	219542	50.809	ug/l	100
61) 1,2-Dibromoethane	11.238	107	176511	52.856	ug/l	99
64) Tetrachloroethene	10.867	164	169308	45.559	ug/l	97
65) Chlorobenzene	11.661	112	582617	48.711	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.732	131	220720	49.230	ug/l	98
67) Ethyl Benzene	11.732	91	1014523	48.311	ug/l	99
68) m/p-Xylenes	11.844	106	781707	97.617	ug/l	100
69) o-Xylene	12.167	106	369730	48.855	ug/l	99
70) Styrene	12.185	104	659779	51.226	ug/l	98
71) Bromoform	12.344	173	123894	51.480	ug/l #	98
73) Isopropylbenzene	12.467	105	932613	47.312	ug/l	100
74) N-amyl acetate	12.273	43	277645	54.521	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.714	83	205692	52.067	ug/l	99
76) 1,2,3-Trichloropropane	12.767	75	145253m	49.548	ug/l	
77) Bromobenzene	12.750	156	231048	49.226	ug/l	98
78) n-propylbenzene	12.808	91	1173352	47.627	ug/l	100
79) 2-Chlorotoluene	12.897	91	688928	47.786	ug/l	98
80) 1,3,5-Trimethylbenzene	12.950	105	803832	48.232	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.514	75	66238	52.892	ug/l	90
82) 4-Chlorotoluene	12.991	91	733983	48.366	ug/l	99
83) tert-Butylbenzene	13.208	119	663551	47.599	ug/l	97
84) 1,2,4-Trimethylbenzene	13.255	105	795041	47.774	ug/l	99
85) sec-Butylbenzene	13.391	105	988387	46.934	ug/l	99
86) p-Isopropyltoluene	13.502	119	812404	47.132	ug/l	99
87) 1,3-Dichlorobenzene	13.502	146	441817	47.845	ug/l	99
88) 1,4-Dichlorobenzene	13.579	146	444648	48.271	ug/l	100
89) n-Butylbenzene	13.826	91	801395	47.787	ug/l	100
90) Hexachloroethane	14.097	117	163067	47.174	ug/l	96
91) 1,2-Dichlorobenzene	13.873	146	393319	48.549	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.491	75	32830	50.623	ug/l	93
93) 1,2,4-Trichlorobenzene	15.144	180	233600	49.633	ug/l	99
94) Hexachlorobutadiene	15.249	225	114047	45.638	ug/l	98
95) Naphthalene	15.385	128	482394	54.430	ug/l	100
96) 1,2,3-Trichlorobenzene	15.579	180	212383	51.196	ug/l	99

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

