

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD042722\
 Data File : VD072714.D
 Acq On : 27 Apr 2022 13:28
 Operator : VA/SY
 Sample : VSTDICCC050
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 04/28/2022
 Supervised By : Mahesh Dadoda 04/28/2022

Quant Time: Apr 27 14:01:39 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D042722S.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 27 13:58:15 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.973	168	363524	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	628626	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	590055	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	272900	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	211908	48.463	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	96.920%		
35) Dibromofluoromethane	7.909	113	186721	39.868	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	79.740%		
50) Toluene-d8	10.332	98	655828	40.246	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	80.500%		
62) 4-Bromofluorobenzene	12.620	95	251170	39.336	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	78.680%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.991	85	207119	68.227	ug/l	96
3) Chloromethane	2.209	50	234916	80.294	ug/l	97
4) Vinyl Chloride	2.350	62	210994	71.807	ug/l	99
5) Bromomethane	2.768	94	139555	65.410	ug/l	95
6) Chloroethane	2.926	64	130234	64.586	ug/l	100
7) Trichlorofluoromethane	3.274	101	337953	54.637	ug/l	97
8) Diethyl Ether	3.709	74	106598	56.842	ug/l	95
9) 1,1,2-Trichlorotrifluo...	4.097	101	193664	47.796	ug/l	99
10) Methyl Iodide	4.303	142	219093	65.236	ug/l	99
11) Tert butyl alcohol	5.221	59	80550	326.755	ug/l	98
12) 1,1-Dichloroethene	4.068	96	183945	56.826	ug/l	93
13) Acrolein	3.921	56	89550	589.436	ug/l	100
14) Allyl chloride	4.715	41	315867	59.996	ug/l	94
15) Acrylonitrile	5.415	53	253783	271.328	ug/l	99
16) Acetone	4.156	43	219153	267.423	ug/l	96
17) Carbon Disulfide	4.409	76	628727	96.140	ug/l	100
18) Methyl Acetate	4.715	43	119240	50.663	ug/l	95
19) Methyl tert-butyl Ether	5.479	73	496477	52.560	ug/l	97
20) Methylene Chloride	4.962	84	307907	60.462	ug/l	92
21) trans-1,2-Dichloroethene	5.468	96	218631	60.009	ug/l	94
22) Diisopropyl ether	6.362	45	720864	55.073	ug/l	94
23) Vinyl Acetate	6.303	43	2070267	321.663	ug/l	97
24) 1,1-Dichloroethane	6.262	63	406860	52.059	ug/l	99
25) 2-Butanone	7.209	43	321982	281.938	ug/l	98
26) 2,2-Dichloropropane	7.203	77	330768	48.318	ug/l	99
27) cis-1,2-Dichloroethene	7.209	96	248686	51.192	ug/l	95
28) Bromochloromethane	7.544	49	177504	52.382	ug/l	89
29) Tetrahydrofuran	7.562	42	210650	301.610	ug/l	95
30) Chloroform	7.709	83	420212	48.307	ug/l	98
31) Cyclohexane	7.985	56	350601	60.473	ug/l	95
32) 1,1,1-Trichloroethane	7.903	97	349559	47.796	ug/l	98
36) 1,1-Dichloropropene	8.109	75	305558	54.570	ug/l	98
37) Ethyl Acetate	7.291	43	150611	57.543	ug/l #	97
38) Carbon Tetrachloride	8.097	117	300558	46.670	ug/l	97
39) Methylcyclohexane	9.350	83	353752	57.654	ug/l	98
40) Benzene	8.344	78	870395	52.316	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.520	41	85578	58.761	ug/l	93
42) 1,2-Dichloroethane	8.420	62	273338	53.066	ug/l	97
43) Isopropyl Acetate	8.450	43	284226	56.950	ug/l	96
44) Trichloroethene	9.109	130	225261	48.371	ug/l	96
45) 1,2-Dichloropropane	9.379	63	231381	49.873	ug/l	100
46) Dibromomethane	9.467	93	131671	53.550	ug/l	98
47) Bromodichloromethane	9.656	83	330377	47.378	ug/l	98
48) Methyl methacrylate	9.450	41	144620	58.897	ug/l	95
49) 1,4-Dioxane	9.456	88	29536	1005.531	ug/l	95
51) 4-Methyl-2-Pentanone	10.220	43	735858	276.196	ug/l	97
52) Toluene	10.397	92	556685	50.757	ug/l	97
53) t-1,3-Dichloropropene	10.614	75	308733	50.754	ug/l	92
54) cis-1,3-Dichloropropene	10.079	75	361547	50.254	ug/l	94
55) 1,1,2-Trichloroethane	10.791	97	172663	47.067	ug/l	97
56) Ethyl methacrylate	10.656	69	222207	53.344	ug/l	92
57) 1,3-Dichloropropane	10.938	76	303579	49.586	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.932	63	575067	301.767	ug/l	99
59) 2-Hexanone	10.979	43	512190	282.774	ug/l	99
60) Dibromochloromethane	11.132	129	213703	45.384	ug/l	100
61) 1,2-Dibromoethane	11.238	107	171746	51.947	ug/l	100
64) Tetrachloroethene	10.867	164	178320	47.889	ug/l	98
65) Chlorobenzene	11.661	112	577315	45.469	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.732	131	217839	43.106	ug/l	99
67) Ethyl Benzene	11.738	91	1040201	47.043	ug/l	99
68) m/p-Xylenes	11.844	106	806533	95.927	ug/l	100
69) o-Xylene	12.173	106	382333	47.105	ug/l	97
70) Styrene	12.185	104	660753	46.386	ug/l	99
71) Bromoform	12.350	173	118567	43.926	ug/l #	99
73) Isopropylbenzene	12.467	105	964983	45.714	ug/l	99
74) N-amyl acetate	12.279	43	263287	56.568	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.720	83	198292	48.026	ug/l	97
76) 1,2,3-Trichloropropane	12.767	75	149241m	50.047	ug/l	
77) Bromobenzene	12.750	156	231262	48.107	ug/l	97
78) n-propylbenzene	12.808	91	1214682	47.399	ug/l	99
79) 2-Chlorotoluene	12.897	91	699227	46.583	ug/l	99
80) 1,3,5-Trimethylbenzene	12.950	105	824644	45.418	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.514	75	62087	51.715	ug/l	94
82) 4-Chlorotoluene	12.991	91	738324	46.960	ug/l	100
83) tert-Butylbenzene	13.208	119	682298	43.691	ug/l	98
84) 1,2,4-Trimethylbenzene	13.255	105	819755	45.977	ug/l	100
85) sec-Butylbenzene	13.391	105	1016554	43.389	ug/l	99
86) p-Isopropyltoluene	13.502	119	847863	44.111	ug/l	99
87) 1,3-Dichlorobenzene	13.502	146	444991	44.898	ug/l	100
88) 1,4-Dichlorobenzene	13.579	146	442127	44.275	ug/l	100
89) n-Butylbenzene	13.826	91	817642	44.608	ug/l	99
90) Hexachloroethane	14.097	117	164357	41.631	ug/l	96
91) 1,2-Dichlorobenzene	13.873	146	391175	44.849	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.491	75	31088	50.569	ug/l	95
93) 1,2,4-Trichlorobenzene	15.144	180	233666	43.538	ug/l	99
94) Hexachlorobutadiene	15.249	225	117128	39.353	ug/l	99
95) Naphthalene	15.379	128	460366	43.884	ug/l	100
96) 1,2,3-Trichlorobenzene	15.579	180	204727	43.619	ug/l	99

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

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