

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD071222\
 Data File : VD073831.D
 Acq On : 12 Jul 2022 10:22
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Quant Time: Jul 13 04:29:43 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D071122S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 12 07:04:44 2022
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By : John Carlone 07/13/2022
 Supervised By : Mahesh Dadoda 07/13/2022

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

Internal Standards						
1) Pentafluorobenzene	7.973	168	114852	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.856	114	218395	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.632	117	197596	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	90347	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	64604	41.995	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	84.000%		
35) Dibromofluoromethane	7.909	113	67879	46.983	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	93.960%		
50) Toluene-d8	10.332	98	207647	41.217	ug/l	0.00
Spiked Amount 50.000	Range 78 - 125		Recovery =	82.440%		
62) 4-Bromofluorobenzene	12.620	95	101451	47.527	ug/l	0.00
Spiked Amount 50.000	Range 50 - 146		Recovery =	95.060%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.991	85	25891	39.748	ug/l	100
3) Chloromethane	2.209	50	33034	48.063	ug/l	98
4) Vinyl Chloride	2.344	62	43267	47.735	ug/l	96
5) Bromomethane	2.756	94	33414	50.196	ug/l	86
6) Chloroethane	2.915	64	37452	45.134	ug/l	92
7) Trichlorofluoromethane	3.262	101	74350	45.542	ug/l	91
8) Diethyl Ether	3.703	74	24891	48.386	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.091	101	47788	47.449	ug/l	98
10) Methyl Iodide	4.291	142	33666	51.515	ug/l	100
11) Tert butyl alcohol	5.215	59	40005	117.769	ug/l #	100
12) 1,1-Dichloroethene	4.056	96	34102	44.160	ug/l	98
13) Acrolein	3.915	56	12179	255.704	ug/l	99
14) Allyl chloride	4.703	41	72358	48.598	ug/l	97
15) Acrylonitrile	5.409	53	71995	244.087	ug/l	100
16) Acetone	4.156	43	69326	263.041	ug/l	93
17) Carbon Disulfide	4.397	76	43521	45.133	ug/l #	89
18) Methyl Acetate	4.709	43	30950	47.119	ug/l	97
19) Methyl tert-butyl Ether	5.473	73	148965	50.016	ug/l	100
20) Methylene Chloride	4.962	84	57248	50.170	ug/l	94
21) trans-1,2-Dichloroethene	5.462	96	40835	44.931	ug/l	94
22) Diisopropyl ether	6.356	45	202492	49.820	ug/l	98
23) Vinyl Acetate	6.297	43	564388	270.250	ug/l	96
24) 1,1-Dichloroethane	6.250	63	106271	47.859	ug/l	98
25) 2-Butanone	7.203	43	100314	253.006	ug/l	96
26) 2,2-Dichloropropane	7.197	77	101504	48.015	ug/l	98
27) cis-1,2-Dichloroethene	7.203	96	62968	48.268	ug/l	96
28) Bromochloromethane	7.538	49	42122	46.512	ug/l	95
29) Tetrahydrofuran	7.556	42	58325	246.975	ug/l	99
30) Chloroform	7.703	83	125042	50.100	ug/l	99
31) Cyclohexane	7.979	56	61093	50.062	ug/l	98
32) 1,1,1-Trichloroethane	7.897	97	103525	49.609	ug/l	99
36) 1,1-Dichloropropene	8.103	75	67371	46.088	ug/l	99
37) Ethyl Acetate	7.279	43	39458	44.099	ug/l #	96
38) Carbon Tetrachloride	8.085	117	81331	48.715	ug/l #	86
39) Methylcyclohexane	9.350	83	65566	43.332	ug/l	92
40) Benzene	8.338	78	201241	46.241	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.509	41	24746	42.215	ug/l #	78
42) 1,2-Dichloroethane	8.414	62	75850	48.936	ug/l	98
43) Isopropyl Acetate	8.444	43	88036	50.023	ug/l	99
44) Trichloroethene	9.103	130	54121	47.659	ug/l	94
45) 1,2-Dichloropropane	9.379	63	64760	50.288	ug/l	97
46) Dibromomethane	9.467	93	34689	49.500	ug/l	96
47) Bromodichloromethane	9.650	83	101847	51.385	ug/l	99
48) Methyl methacrylate	9.444	41	40880	51.138	ug/l	99
49) 1,4-Dioxane	9.456	88	9520	1062.723	ug/l	98
51) 4-Methyl-2-Pentanone	10.220	43	237070	252.786	ug/l	100
52) Toluene	10.391	92	140859	48.200	ug/l	99
53) t-1,3-Dichloropropene	10.608	75	92572	50.824	ug/l	94
54) cis-1,3-Dichloropropene	10.079	75	99907	49.615	ug/l	97
55) 1,1,2-Trichloroethane	10.791	97	52123	49.428	ug/l	94
56) Ethyl methacrylate	10.650	69	68414	53.623	ug/l	99
57) 1,3-Dichloropropane	10.932	76	88012	49.120	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.932	63	114580	225.459	ug/l	100
59) 2-Hexanone	10.973	43	164290	257.314	ug/l	99
60) Dibromochloromethane	11.132	129	66264	50.660	ug/l	98
61) 1,2-Dibromoethane	11.232	107	46879	49.490	ug/l	97
64) Tetrachloroethene	10.867	164	39066	45.914	ug/l	97
65) Chlorobenzene	11.661	112	164708	50.420	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.732	131	69533	53.607	ug/l	99
67) Ethyl Benzene	11.732	91	302970	49.709	ug/l	96
68) m/p-Xylenes	11.844	106	228522	102.237	ug/l	99
69) o-Xylene	12.167	106	113868	51.383	ug/l	97
70) Styrene	12.185	104	200886	52.353	ug/l	98
71) Bromoform	12.350	173	35728	53.104	ug/l #	97
73) Isopropylbenzene	12.467	105	314508	50.938	ug/l	99
74) N-amyl acetate	12.273	43	88401	52.179	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.720	83	67650	52.691	ug/l	99
76) 1,2,3-Trichloropropane	12.767	75	46807m	47.889	ug/l	
77) Bromobenzene	12.749	156	64989	50.227	ug/l	100
78) n-propylbenzene	12.808	91	391750	50.232	ug/l	99
79) 2-Chlorotoluene	12.897	91	222864	49.688	ug/l	100
80) 1,3,5-Trimethylbenzene	12.949	105	266948	51.861	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.520	75	19642	52.815	ug/l	95
82) 4-Chlorotoluene	12.991	91	237757	50.684	ug/l	99
83) tert-Butylbenzene	13.208	119	233423	51.460	ug/l	99
84) 1,2,4-Trimethylbenzene	13.255	105	263556	51.039	ug/l	99
85) sec-Butylbenzene	13.385	105	364054	51.621	ug/l	99
86) p-Isopropyltoluene	13.502	119	293198	51.629	ug/l	99
87) 1,3-Dichlorobenzene	13.502	146	137913	49.587	ug/l	99
88) 1,4-Dichlorobenzene	13.579	146	139717	51.300	ug/l	98
89) n-Butylbenzene	13.826	91	293116	51.437	ug/l	99
90) Hexachloroethane	14.096	117	57847	52.618	ug/l	99
91) 1,2-Dichlorobenzene	13.873	146	123973	50.614	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.485	75	11418	53.044	ug/l	99
93) 1,2,4-Trichlorobenzene	15.143	180	72608	52.021	ug/l	100
94) Hexachlorobutadiene	15.249	225	33166	49.939	ug/l	99
95) Naphthalene	15.379	128	159905	52.478	ug/l	100
96) 1,2,3-Trichlorobenzene	15.573	180	62132	51.205	ug/l	99

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

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