

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN071322\
 Data File : VN073454.D
 Acq On : 13 Jul 2022 17:38
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Jul 14 07:04:27 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N062822W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 29 01:54:03 2022
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By : John Carlone 07/14/2022
 Supervised By : Mahesh Dadoda 07/14/2022

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

Internal Standards						
1) Pentafluorobenzene	8.016	168	237805	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	407540	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.680	117	380603	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.609	152	184526	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.363	65	172735	50.316	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 100.640%			
35) Dibromofluoromethane	7.951	113	136671	50.406	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 100.820%			
50) Toluene-d8	10.380	98	466961	48.490	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 96.980%			
62) 4-Bromofluorobenzene	12.668	95	198269	53.575	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 107.140%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.046	85	153475	44.143	ug/l	96
3) Chloromethane	2.269	50	143173	42.417	ug/l	99
4) Vinyl Chloride	2.404	62	124921	43.557	ug/l	98
5) Bromomethane	2.781	94	57246	42.260	ug/l	100
6) Chloroethane	2.951	64	78159	46.328	ug/l	97
7) Trichlorofluoromethane	3.304	101	199974	40.332	ug/l	98
8) Diethyl Ether	3.763	74	98747	48.924	ug/l	78
9) 1,1,2-Trichlorotrifluo...	4.140	101	139310	47.551	ug/l	97
10) Methyl Iodide	4.351	142	145477	41.563	ug/l	96
11) Tert butyl alcohol	5.292	59	227810	273.935	ug/l	99
12) 1,1-Dichloroethene	4.104	96	127864	45.675	ug/l	99
13) Acrolein	3.981	56	84788	161.304	ug/l	98
14) Allyl chloride	4.751	41	291447	49.419	ug/l #	92
15) Acrylonitrile	5.469	53	598670	279.646	ug/l	99
16) Acetone	4.222	43	541254	280.881	ug/l	95
17) Carbon Disulfide	4.451	76	290912	40.077	ug/l	100
18) Methyl Acetate	4.775	43	320270	59.308	ug/l #	89
19) Methyl tert-butyl Ether	5.528	73	531019	52.046	ug/l	99
20) Methylene Chloride	5.010	84	161348	47.644	ug/l	87
21) trans-1,2-Dichloroethene	5.504	96	134636	46.028	ug/l	98
22) Diisopropyl ether	6.410	45	590416	53.652	ug/l	95
23) Vinyl Acetate	6.345	43	2555106	259.329	ug/l #	93
24) 1,1-Dichloroethane	6.304	63	289924	50.910	ug/l	99
25) 2-Butanone	7.257	43	884884	288.426	ug/l	91
26) 2,2-Dichloropropane	7.245	77	221389	42.034	ug/l	99
27) cis-1,2-Dichloroethene	7.245	96	172416	48.674	ug/l	96
28) Bromochloromethane	7.580	49	124699	52.284	ug/l	82
29) Tetrahydrofuran	7.610	42	591906	281.765	ug/l	86
30) Chloroform	7.745	83	292755	51.040	ug/l	100
31) Cyclohexane	8.016	56	245643	43.690	ug/l	86
32) 1,1,1-Trichloroethane	7.939	97	248819	48.678	ug/l	99
36) 1,1-Dichloropropene	8.151	75	203545	48.788	ug/l	98
37) Ethyl Acetate	7.333	43	336674	53.407	ug/l #	95
38) Carbon Tetrachloride	8.127	117	206329	47.823	ug/l	99
39) Methylcyclohexane	9.392	83	244107	46.996	ug/l	95
40) Benzene	8.392	78	627572	48.741	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.563	41	181200	59.269	ug/l #	81
42) 1,2-Dichloroethane	8.463	62	239738	51.365	ug/l	97
43) Isopropyl Acetate	8.492	43	496531	54.806	ug/l	92
44) Trichloroethene	9.151	130	157028	47.924	ug/l	93
45) 1,2-Dichloropropane	9.427	63	167420	51.015	ug/l	98
46) Dibromomethane	9.510	93	112983	50.704	ug/l	92
47) Bromodichloromethane	9.698	83	230147	53.327	ug/l	98
48) Methyl methacrylate	9.498	41	222489	53.039	ug/l	89
49) 1,4-Dioxane	9.504	88	89864	1128.476	ug/l #	91
51) 4-Methyl-2-Pentanone	10.269	43	1696365	295.261	ug/l	90
52) Toluene	10.445	92	392078	49.274	ug/l	100
53) t-1,3-Dichloropropene	10.657	75	245246	51.620	ug/l	99
54) cis-1,3-Dichloropropene	10.127	75	264565	51.580	ug/l #	90
55) 1,1,2-Trichloroethane	10.839	97	165407	50.493	ug/l	97
56) Ethyl methacrylate	10.704	69	285330	53.889	ug/l #	85
57) 1,3-Dichloropropane	10.986	76	287852	51.259	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.980	63	644794	273.059	ug/l	94
59) 2-Hexanone	11.027	43	1295686	295.854	ug/l	88
60) Dibromochloromethane	11.180	129	170108	54.465	ug/l	100
61) 1,2-Dibromoethane	11.286	107	171418	52.389	ug/l	98
64) Tetrachloroethene	10.916	164	142981	46.006	ug/l	94
65) Chlorobenzene	11.710	112	412276	47.895	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.780	131	153343	48.432	ug/l	99
67) Ethyl Benzene	11.780	91	769321	49.229	ug/l	100
68) m/p-Xylenes	11.892	106	580614	98.447	ug/l	95
69) o-Xylene	12.221	106	292134	48.521	ug/l	96
70) Styrene	12.233	104	478943	51.524	ug/l	98
71) Bromoform	12.398	173	125787	54.295	ug/l #	98
73) Isopropylbenzene	12.515	105	766327	48.092	ug/l	100
74) N-amyl acetate	12.327	43	392488	49.191	ug/l #	88
75) 1,1,2,2-Tetrachloroethane	12.768	83	265827	50.273	ug/l	100
76) 1,2,3-Trichloropropane	12.821	75	238854m	49.504	ug/l	
77) Bromobenzene	12.798	156	172680	46.610	ug/l	84
78) n-propylbenzene	12.857	91	898511	50.757	ug/l	97
79) 2-Chlorotoluene	12.945	91	547190	48.840	ug/l	96
80) 1,3,5-Trimethylbenzene	12.998	105	646843	49.803	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.568	75	82829	47.079	ug/l	90
82) 4-Chlorotoluene	13.045	91	529245	48.794	ug/l	96
83) tert-Butylbenzene	13.262	119	564270	48.460	ug/l	94
84) 1,2,4-Trimethylbenzene	13.304	105	636187	49.061	ug/l	96
85) sec-Butylbenzene	13.439	105	797878	51.030	ug/l	99
86) p-Isopropyltoluene	13.557	119	658104	52.105	ug/l	98
87) 1,3-Dichlorobenzene	13.551	146	320016	48.149	ug/l	99
88) 1,4-Dichlorobenzene	13.633	146	320026	48.057	ug/l	99
89) n-Butylbenzene	13.880	91	559162	53.128	ug/l	98
90) Hexachloroethane	14.151	117	112969	47.993	ug/l	87
91) 1,2-Dichlorobenzene	13.927	146	326602	48.239	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.539	75	67524	52.540	ug/l	88
93) 1,2,4-Trichlorobenzene	15.198	180	182972	51.902	ug/l	97
94) Hexachlorobutadiene	15.298	225	77301	49.326	ug/l	98
95) Naphthalene	15.433	128	701214	49.306	ug/l	100
96) 1,2,3-Trichlorobenzene	15.627	180	184888	50.842	ug/l	99

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

