

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031922\
 Data File : VN071413.D
 Acq On : 19 Mar 2022 21:21
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Mar 21 05:55:59 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N030722W.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 08 06:52:46 2022
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By : John Carlone 03/21/2022
 Supervised By : Mahesh Dadoda 03/21/2022

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

Internal Standards						
1) Pentafluorobenzene	8.081	168	594275	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.963	114	980373	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	922754	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.668	152	372558	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.433	65	446450	54.814	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	= 109.620%	
35) Dibromofluoromethane	8.016	113	337513	54.556	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	= 109.120%	
50) Toluene-d8	10.439	98	1352278	54.289	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	= 108.580%	
62) 4-Bromofluorobenzene	12.727	95	471583	55.910	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	= 111.820%	

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.069	85	268706	41.256	ug/l	99
3) Chloromethane	2.299	50	382679	43.761	ug/l	97
4) Vinyl Chloride	2.440	62	351636	44.054	ug/l	97
5) Bromomethane	2.822	94	158444	43.701	ug/l	99
6) Chloroethane	2.998	64	208674	43.170	ug/l	99
7) Trichlorofluoromethane	3.363	101	468483	44.593	ug/l	97
8) Diethyl Ether	3.822	74	217182	48.309	ug/l	91
9) 1,1,2-Trichlorotrifluo...	4.204	101	277719	45.664	ug/l	97
10) Methyl Iodide	4.416	142	378437	44.056	ug/l	99
11) Tert butyl alcohol	5.363	59	391643	244.775	ug/l	98
12) 1,1-Dichloroethene	4.181	96	276176	46.356	ug/l	93
13) Acrolein	4.040	56	381643	225.354	ug/l	100
14) Allyl chloride	4.834	41	582901	44.984	ug/l #	85
15) Acrylonitrile	5.551	53	1187887	250.033	ug/l	98
16) Acetone	4.281	43	1000143	252.371	ug/l	95
17) Carbon Disulfide	4.528	76	661293	38.988	ug/l	98
18) Methyl Acetate	4.851	43	558849	52.484	ug/l	95
19) Methyl tert-butyl Ether	5.610	73	1097993	49.086	ug/l	95
20) Methylene Chloride	5.098	84	345442	47.711	ug/l	89
21) trans-1,2-Dichloroethene	5.592	96	288336	44.246	ug/l	87
22) Diisopropyl ether	6.492	45	1260861	49.390	ug/l	92
23) Vinyl Acetate	6.428	43	5495625	254.285	ug/l	97
24) 1,1-Dichloroethane	6.381	63	643196	47.681	ug/l	99
25) 2-Butanone	7.328	43	1643907	257.508	ug/l	95
26) 2,2-Dichloropropane	7.322	77	401301	38.561	ug/l	99
27) cis-1,2-Dichloroethene	7.322	96	361477	46.736	ug/l	91
28) Bromochloromethane	7.657	49	286494	47.692	ug/l #	81
29) Tetrahydrofuran	7.681	42	1107010	250.306	ug/l	91
30) Chloroform	7.816	83	619538	48.153	ug/l	99
31) Cyclohexane	8.092	56	571395	43.932	ug/l	91
32) 1,1,1-Trichloroethane	8.010	97	528044	48.182	ug/l	97
36) 1,1-Dichloropropene	8.222	75	451237	45.524	ug/l	96
37) Ethyl Acetate	7.410	43	651270	47.742	ug/l	98
38) Carbon Tetrachloride	8.204	117	440572	45.953	ug/l	98
39) Methylcyclohexane	9.457	83	533926	45.789	ug/l	93
40) Benzene	8.457	78	1397996	46.811	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.628	41	344574	51.615	ug/l #	85
42) 1,2-Dichloroethane	8.528	62	506799	48.766	ug/l	100
43) Isopropyl Acetate	8.557	43	1015136	49.762	ug/l	96
44) Trichloroethene	9.216	130	330410	46.890	ug/l	95
45) 1,2-Dichloropropane	9.486	63	382766	47.745	ug/l	99
46) Dibromomethane	9.575	93	239033	48.443	ug/l	96
47) Bromodichloromethane	9.757	83	492544	49.394	ug/l	100
48) Methyl methacrylate	9.557	41	486804	51.494	ug/l #	82
49) 1,4-Dioxane	9.569	88	163047	992.230	ug/l #	84
51) 4-Methyl-2-Pentanone	10.327	43	3351081	264.695	ug/l	100
52) Toluene	10.504	92	887555	48.263	ug/l	96
53) t-1,3-Dichloropropene	10.716	75	530245	48.238	ug/l	100
54) cis-1,3-Dichloropropene	10.186	75	575663	47.929	ug/l	96
55) 1,1,2-Trichloroethane	10.892	97	353688	47.996	ug/l	98
56) Ethyl methacrylate	10.757	69	631454	52.472	ug/l #	89
57) 1,3-Dichloropropane	11.039	76	641131	48.471	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.039	63	738809	287.509	ug/l	94
59) 2-Hexanone	11.080	43	2465250	285.391	ug/l	100
60) Dibromochloromethane	11.233	129	373175	50.967	ug/l	100
61) 1,2-Dibromoethane	11.345	107	362056	48.073	ug/l	100
64) Tetrachloroethene	10.974	164	282279	43.862	ug/l	98
65) Chlorobenzene	11.769	112	940735	47.472	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.839	131	349358	48.079	ug/l	99
67) Ethyl Benzene	11.839	91	1717536	49.019	ug/l	98
68) m/p-Xylenes	11.951	106	1286316	100.352	ug/l	98
69) o-Xylene	12.274	106	648917	50.504	ug/l	99
70) Styrene	12.292	104	1040434	52.312	ug/l	97
71) Bromoform	12.457	173	283896	51.448	ug/l #	99
73) Isopropylbenzene	12.574	105	1671613	46.545	ug/l	100
74) N-amyl acetate	12.386	43	717510	53.135	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.821	83	568181	53.413	ug/l	99
76) 1,2,3-Trichloropropane	12.874	75	510599m	56.939	ug/l	
77) Bromobenzene	12.857	156	384450	45.907	ug/l	80
78) n-propylbenzene	12.916	91	1841399	47.781	ug/l	97
79) 2-Chlorotoluene	13.004	91	1126354	45.530	ug/l	94
80) 1,3,5-Trimethylbenzene	13.057	105	1332159	47.677	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.621	75	159719	46.343	ug/l	93
82) 4-Chlorotoluene	13.104	91	1056484	47.945	ug/l	95
83) tert-Butylbenzene	13.321	119	1196768	47.995	ug/l	97
84) 1,2,4-Trimethylbenzene	13.363	105	1307835	48.867	ug/l	99
85) sec-Butylbenzene	13.498	105	1612921	48.665	ug/l	99
86) p-Isopropyltoluene	13.610	119	1296901	49.756	ug/l	99
87) 1,3-Dichlorobenzene	13.610	146	628296	46.173	ug/l	97
88) 1,4-Dichlorobenzene	13.692	146	606136	45.570	ug/l	98
89) n-Butylbenzene	13.939	91	1004910	49.293	ug/l	96
90) Hexachloroethane	14.204	117	245990	47.457	ug/l	89
91) 1,2-Dichlorobenzene	13.986	146	611130	46.715	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.598	75	103707	49.630	ug/l	89
93) 1,2,4-Trichlorobenzene	15.262	180	296369	48.627	ug/l	98
94) Hexachlorobutadiene	15.368	225	163996	44.655	ug/l	99
95) Naphthalene	15.504	128	936346	54.336	ug/l	99
96) 1,2,3-Trichlorobenzene	15.698	180	296386	50.636	ug/l	99

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

