

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN042923\
 Data File : VN077536.D
 Acq On : 29 Apr 2023 22:08
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Quant Time: May 01 01:27:06 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N042423W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 25 02:50:59 2023
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/01/2023
 Supervised By : Mahesh Dadoda 05/01/2023

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

Internal Standards						
1) Pentafluorobenzene	8.231	168	642121	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.107	114	1206777	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.866	117	1110593	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.795	152	488800	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.584	65	456371	54.467	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 108.940%			
35) Dibromofluoromethane	8.172	113	401721	55.385	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 110.780%			
50) Toluene-d8	10.566	98	1574026	56.622	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 113.240%#			
62) 4-Bromofluorobenzene	12.854	95	543319	59.738	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 119.480%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.137	85	365195	44.586	ug/l	99
3) Chloromethane	2.372	50	269287	41.837	ug/l	99
4) Vinyl Chloride	2.525	62	381430	44.484	ug/l	98
5) Bromomethane	2.949	94	307603	41.414	ug/l	96
6) Chloroethane	3.119	64	265247	40.717	ug/l	98
7) Trichlorofluoromethane	3.507	101	602177	47.781	ug/l	97
8) Diethyl Ether	3.972	74	218128	47.630	ug/l	97
9) 1,1,2-Trichlorotrifluo...	4.378	101	345609	47.153	ug/l	99
10) Methyl Iodide	4.602	142	424688	47.163	ug/l	98
11) Tert butyl alcohol	5.525	59	303635	225.732	ug/l	99
12) 1,1-Dichloroethene	4.349	96	328372	45.825	ug/l	96
13) Acrolein	4.184	56	310641	232.149	ug/l	95
14) Allyl chloride	5.031	41	365054	45.821	ug/l	97
15) Acrylonitrile	5.725	53	739757	242.427	ug/l	99
16) Acetone	4.437	43	534499	200.511	ug/l	96
17) Carbon Disulfide	4.719	76	747098	41.030	ug/l	99
18) Methyl Acetate	5.031	43	488756	47.479	ug/l	97
19) Methyl tert-butyl Ether	5.801	73	1170775	49.128	ug/l	98
20) Methylene Chloride	5.284	84	387889	45.884	ug/l	95
21) trans-1,2-Dichloroethene	5.790	96	365305	47.144	ug/l	98
22) Diisopropyl ether	6.678	45	854963	46.758	ug/l	98
23) Vinyl Acetate	6.613	43	2674449	234.208	ug/l	98
24) 1,1-Dichloroethane	6.572	63	619541	47.867	ug/l	98
25) 2-Butanone	7.490	43	865695	228.969	ug/l	96
26) 2,2-Dichloropropane	7.495	77	523867	41.743	ug/l	96
27) cis-1,2-Dichloroethene	7.490	96	437622	47.687	ug/l	97
28) Bromochloromethane	7.819	49	212088	42.910	ug/l	93
29) Tetrahydrofuran	7.842	42	557932	235.525	ug/l	97
30) Chloroform	7.972	83	741253	50.818	ug/l	97
31) Cyclohexane	8.260	56	500824	42.194	ug/l	95
32) 1,1,1-Trichloroethane	8.172	97	686046	51.158	ug/l	99
36) 1,1-Dichloropropene	8.378	75	509460	48.618	ug/l	99
37) Ethyl Acetate	7.566	43	359692	45.172	ug/l	99
38) Carbon Tetrachloride	8.366	117	580710	50.227	ug/l	98
39) Methylcyclohexane	9.607	83	663260	48.041	ug/l	95
40) Benzene	8.607	78	1580799	49.520	ug/l	98

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41) Methacrylonitrile	7.784	41	197227	47.556	ug/l	97
42) 1,2-Dichloroethane	8.672	62	538558	49.119	ug/l	99
43) Isopropyl Acetate	8.689	43	659212	47.854	ug/l	98
44) Trichloroethene	9.354	130	406734	49.763	ug/l	100
45) 1,2-Dichloropropane	9.625	63	367490	49.144	ug/l	97
46) Dibromomethane	9.713	93	301398	49.674	ug/l	98
47) Bromodichloromethane	9.889	83	594241	50.632	ug/l	98
48) Methyl methacrylate	9.684	41	282373	45.032	ug/l	95
49) 1,4-Dioxane	9.695	88	155415	988.110	ug/l	98
51) 4-Methyl-2-Pentanone	10.448	43	1914557	236.951	ug/l	97
52) Toluene	10.631	92	1079613	51.625	ug/l	98
53) t-1,3-Dichloropropene	10.836	75	610993	51.412	ug/l	99
54) cis-1,3-Dichloropropene	10.313	75	655027	50.636	ug/l	95
55) 1,1,2-Trichloroethane	11.019	97	436903	51.953	ug/l	96
56) Ethyl methacrylate	10.878	69	615871	52.265	ug/l	95
57) 1,3-Dichloropropane	11.166	76	694805	51.870	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.160	63	1051046	263.707	ug/l	97
59) 2-Hexanone	11.201	43	1382607	235.408	ug/l	96
60) Dibromochloromethane	11.360	129	468490	53.679	ug/l	99
61) 1,2-Dibromoethane	11.472	107	447477	52.119	ug/l	98
64) Tetrachloroethene	11.107	164	327793	49.306	ug/l	100
65) Chlorobenzene	11.895	112	1157811	49.267	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.960	131	435865	50.976	ug/l	98
67) Ethyl Benzene	11.966	91	2092196	50.572	ug/l	99
68) m/p-Xylenes	12.072	106	1647557	102.466	ug/l	99
69) o-Xylene	12.401	106	816883	51.651	ug/l	100
70) Styrene	12.413	104	1326233	53.621	ug/l	99
71) Bromoform	12.577	173	295183	52.769	ug/l #	100
73) Isopropylbenzene	12.701	105	2136027	47.092	ug/l	99
74) N-amyl acetate	12.495	43	556578	41.447	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.942	83	623012	43.715	ug/l	98
76) 1,2,3-Trichloropropane	12.995	75	521822m	45.909	ug/l	
77) Bromobenzene	12.983	156	447536	45.272	ug/l	98
78) n-propylbenzene	13.036	91	2410878	48.071	ug/l	99
79) 2-Chlorotoluene	13.130	91	1461240	47.256	ug/l	100
80) 1,3,5-Trimethylbenzene	13.177	105	1775472	52.709	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.742	75	180452	44.852	ug/l	98
82) 4-Chlorotoluene	13.224	91	1388412	48.051	ug/l	99
83) tert-Butylbenzene	13.442	119	1547572	47.309	ug/l	100
84) 1,2,4-Trimethylbenzene	13.483	105	1708789	54.318	ug/l	99
85) sec-Butylbenzene	13.619	105	2217510	49.387	ug/l	99
86) p-Isopropyltoluene	13.730	119	1740034	50.368	ug/l	100
87) 1,3-Dichlorobenzene	13.736	146	841224	47.849	ug/l	98
88) 1,4-Dichlorobenzene	13.813	146	819151	47.190	ug/l	100
89) n-Butylbenzene	14.060	91	1439565	53.845	ug/l	100
90) Hexachloroethane	14.336	117	340365	44.596	ug/l	100
91) 1,2-Dichlorobenzene	14.107	146	828979	47.541	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.724	75	116787	44.314	ug/l	99
93) 1,2,4-Trichlorobenzene	15.395	180	264350	47.963	ug/l	97
94) Hexachlorobutadiene	15.507	225	167172	47.444	ug/l	99
95) Naphthalene	15.642	128	1031821	48.902	ug/l	99
96) 1,2,3-Trichlorobenzene	15.842	180	252380	48.656	ug/l	99

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

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