

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN052423\
 Data File : VN077847.D
 Acq On : 24 May 2023 11:22
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/25/2023
 Supervised By : Mahesh Dadoda 05/25/2023

Quant Time: May 25 01:41:09 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051523W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 16 04:07:42 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.229	168	440575	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	763315	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	669230	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	301875	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	289102	43.856	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	87.720%		
35) Dibromofluoromethane	8.171	113	256349	51.502	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	103.000%		
50) Toluene-d8	10.570	98	952733	49.728	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	99.460%		
62) 4-Bromofluorobenzene	12.853	95	331081	48.930	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	97.860%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.136	85	221318	44.140	ug/l	100
3) Chloromethane	2.371	50	232137	43.431	ug/l	100
4) Vinyl Chloride	2.524	62	293680	46.456	ug/l	98
5) Bromomethane	2.959	94	219402	46.927	ug/l	91
6) Chloroethane	3.130	64	202512	44.451	ug/l	96
7) Trichlorofluoromethane	3.506	101	427948	48.575	ug/l	98
8) Diethyl Ether	3.965	74	148529	46.181	ug/l	80
9) 1,1,2-Trichlorotrifluo...	4.383	101	241261	49.484	ug/l	98
10) Methyl Iodide	4.600	142	340789	58.610	ug/l	95
11) Tert butyl alcohol	5.524	59	174082	191.346	ug/l	99
12) 1,1-Dichloroethene	4.347	96	231766	50.016	ug/l	92
13) Acrolein	4.189	56	120458	208.001	ug/l	96
14) Allyl chloride	5.036	41	308040	45.251	ug/l	95
15) Acrylonitrile	5.724	53	502018	206.543	ug/l	99
16) Acetone	4.430	43	627583	302.600	ug/l	96
17) Carbon Disulfide	4.724	76	595277	47.677	ug/l	99
18) Methyl Acetate	5.030	43	357060	41.038	ug/l	90
19) Methyl tert-butyl Ether	5.800	73	772828	46.076	ug/l	98
20) Methylene Chloride	5.283	84	269624	49.945	ug/l	92
21) trans-1,2-Dichloroethene	5.788	96	262393	50.410	ug/l	93
22) Diisopropyl ether	6.677	45	746314	46.773	ug/l #	92
23) Vinyl Acetate	6.612	43	2179147	220.427	ug/l #	90
24) 1,1-Dichloroethane	6.577	63	476144	48.709	ug/l	98
25) 2-Butanone	7.488	43	760985	234.559	ug/l #	87
26) 2,2-Dichloropropane	7.500	77	424343	51.095	ug/l	98
27) cis-1,2-Dichloroethene	7.494	96	313354	50.207	ug/l	95
28) Bromochloromethane	7.824	49	189395	44.799	ug/l	91
29) Tetrahydrofuran	7.841	42	412799	194.317	ug/l	86
30) Chloroform	7.971	83	515811	47.968	ug/l	95
31) Cyclohexane	8.265	56	403817	45.071	ug/l	94
32) 1,1,1-Trichloroethane	8.177	97	468571	51.253	ug/l	98
36) 1,1-Dichloropropene	8.377	75	389202	53.459	ug/l	96
37) Ethyl Acetate	7.565	43	265384	40.897	ug/l #	92
38) Carbon Tetrachloride	8.371	117	418071	56.868	ug/l	98
39) Methylcyclohexane	9.606	83	494925	55.528	ug/l	91
40) Benzene	8.612	78	1132224	52.701	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.782	41	146952	42.523	ug/l	91
42) 1,2-Dichloroethane	8.677	62	383201	49.102	ug/l	97
43) Isopropyl Acetate	8.694	43	486172	45.869	ug/l	95
44) Trichloroethene	9.359	130	301918	55.500	ug/l	97
45) 1,2-Dichloropropane	9.629	63	281603	51.388	ug/l	98
46) Dibromomethane	9.712	93	199490	50.873	ug/l	95
47) Bromodichloromethane	9.894	83	401363	53.463	ug/l	98
48) Methyl methacrylate	9.688	41	222737	44.323	ug/l	90
49) 1,4-Dioxane	9.700	88	84746	892.872	ug/l #	92
51) 4-Methyl-2-Pentanone	10.453	43	1373719	218.041	ug/l	94
52) Toluene	10.635	92	734916	54.947	ug/l	96
53) t-1,3-Dichloropropene	10.841	75	422773	53.179	ug/l	97
54) cis-1,3-Dichloropropene	10.318	75	475416	54.265	ug/l	98
55) 1,1,2-Trichloroethane	11.023	97	274043	51.602	ug/l	98
56) Ethyl methacrylate	10.876	69	391407	48.745	ug/l	90
57) 1,3-Dichloropropane	11.170	76	464180	50.985	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.165	63	799238	202.324	ug/l	93
59) 2-Hexanone	11.200	43	1069773	229.562	ug/l	93
60) Dibromochloromethane	11.365	129	305988	55.812	ug/l	99
61) 1,2-Dibromoethane	11.476	107	282070	53.241	ug/l	98
64) Tetrachloroethene	11.112	164	280234	59.878	ug/l	98
65) Chlorobenzene	11.900	112	793774	54.712	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.965	131	288730	57.516	ug/l	98
67) Ethyl Benzene	11.970	91	1436178	55.239	ug/l	99
68) m/p-Xylenes	12.076	106	1123935	114.089	ug/l	99
69) o-Xylene	12.406	106	540420	55.781	ug/l	99
70) Styrene	12.417	104	871529	56.628	ug/l	99
71) Bromoform	12.582	173	191308	57.287	ug/l #	100
73) Isopropylbenzene	12.700	105	1419582	54.554	ug/l	98
74) N-amyl acetate	12.500	43	398209	41.401	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.947	83	352318	44.011	ug/l	98
76) 1,2,3-Trichloropropane	13.000	75	304096m	40.224	ug/l	
77) Bromobenzene	12.988	156	310152	52.229	ug/l	93
78) n-propylbenzene	13.041	91	1651784	53.843	ug/l	98
79) 2-Chlorotoluene	13.129	91	951477	51.976	ug/l	96
80) 1,3,5-Trimethylbenzene	13.182	105	1198059	54.780	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.741	75	124279	52.547	ug/l	92
82) 4-Chlorotoluene	13.229	91	933739	51.265	ug/l	99
83) tert-Butylbenzene	13.447	119	1032164	54.061	ug/l	99
84) 1,2,4-Trimethylbenzene	13.488	105	1197152	55.658	ug/l	97
85) sec-Butylbenzene	13.623	105	1489516	54.895	ug/l	100
86) p-Isopropyltoluene	13.735	119	1245130	57.560	ug/l	98
87) 1,3-Dichlorobenzene	13.741	146	569151	51.826	ug/l	99
88) 1,4-Dichlorobenzene	13.817	146	561139	51.491	ug/l	99
89) n-Butylbenzene	14.064	91	1065120	53.533	ug/l	98
90) Hexachloroethane	14.341	117	207288	58.331	ug/l	88
91) 1,2-Dichlorobenzene	14.111	146	551788	53.783	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.723	75	61290	39.546	ug/l	99
93) 1,2,4-Trichlorobenzene	15.400	180	267863	44.678	ug/l	98
94) Hexachlorobutadiene	15.505	225	130817	52.552	ug/l	98
95) Naphthalene	15.647	128	748763	36.284	ug/l	99
96) 1,2,3-Trichlorobenzene	15.847	180	263162	44.831	ug/l	98

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

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