

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061923\
 Data File : VN078270.D
 Acq On : 19 Jun 2023 11:04
 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 06/19/2023
 Supervised By : Mahesh Dadoda 06/22/2023

Quant Time: Jun 19 16:02:12 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060623W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 07 05:05:00 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.229	168	399854	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	710205	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	627811	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	244109	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	282948	53.073	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 106.140%	
35) Dibromofluoromethane	8.171	113	237373	52.861	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 105.720%	
50) Toluene-d8	10.570	98	884192	51.076	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 102.160%	
62) 4-Bromofluorobenzene	12.853	95	290714	54.019	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 108.040%	

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.136	85	184144	40.741	ug/l	97
3) Chloromethane	2.371	50	199744	46.859	ug/l	99
4) Vinyl Chloride	2.524	62	259080	43.773	ug/l	98
5) Bromomethane	2.953	94	210253	47.006	ug/l	96
6) Chloroethane	3.124	64	210401	52.148	ug/l	99
7) Trichlorofluoromethane	3.506	101	362415	45.154	ug/l	97
8) Diethyl Ether	3.971	74	126737	44.940	ug/l	82
9) 1,1,2-Trichlorotrifluo...	4.383	101	205877	48.604	ug/l	99
10) Methyl Iodide	4.600	142	268541	44.830	ug/l	98
11) Tert butyl alcohol	5.530	59	166033	225.546	ug/l	99
12) 1,1-Dichloroethene	4.353	96	190065	43.529	ug/l	93
13) Acrolein	4.189	56	303404	373.963	ug/l	97
14) Allyl chloride	5.036	41	251663	47.216	ug/l	92
15) Acrylonitrile	5.730	53	475012	250.286	ug/l	100
16) Acetone	4.436	43	381713	248.748	ug/l	97
17) Carbon Disulfide	4.724	76	460332	40.959	ug/l	99
18) Methyl Acetate	5.036	43	343332	48.596	ug/l	89
19) Methyl tert-butyl Ether	5.806	73	680909	48.876	ug/l	97
20) Methylene Chloride	5.288	84	228909	45.141	ug/l #	88
21) trans-1,2-Dichloroethene	5.794	96	213976	45.436	ug/l	88
22) Diisopropyl ether	6.682	45	661526	52.763	ug/l	95
23) Vinyl Acetate	6.612	43	1917016	257.218	ug/l #	89
24) 1,1-Dichloroethane	6.577	63	412863	49.918	ug/l	98
25) 2-Butanone	7.488	43	604359	256.107	ug/l #	84
26) 2,2-Dichloropropane	7.494	77	345496	56.575	ug/l	100
27) cis-1,2-Dichloroethene	7.494	96	263390	46.887	ug/l	92
28) Bromochloromethane	7.824	49	205037	53.993	ug/l	89
29) Tetrahydrofuran	7.847	42	394643	250.165	ug/l	85
30) Chloroform	7.971	83	449328	50.452	ug/l	94
31) Cyclohexane	8.265	56	315013	46.062	ug/l	91
32) 1,1,1-Trichloroethane	8.177	97	396429	50.701	ug/l	97
36) 1,1-Dichloropropene	8.377	75	320057	49.690	ug/l	96
37) Ethyl Acetate	7.565	43	254912	50.660	ug/l #	94
38) Carbon Tetrachloride	8.371	117	347168	51.045	ug/l	100
39) Methylcyclohexane	9.606	83	290255	43.483	ug/l	92
40) Benzene	8.612	78	954294	49.626	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.788	41	136742	50.136	ug/l	93
42) 1,2-Dichloroethane	8.676	62	339336	51.467	ug/l	95
43) Isopropyl Acetate	8.694	43	457794	47.572	ug/l #	92
44) Trichloroethene	9.359	130	233804	46.040	ug/l	97
45) 1,2-Dichloropropane	9.629	63	248300	51.899	ug/l	99
46) Dibromomethane	9.712	93	172934	49.074	ug/l	95
47) Bromodichloromethane	9.894	83	364133	55.628	ug/l	99
48) Methyl methacrylate	9.682	41	211170	52.290	ug/l	86
49) 1,4-Dioxane	9.700	88	80918	953.341	ug/l #	97
51) 4-Methyl-2-Pentanone	10.453	43	1342473	264.922	ug/l	93
52) Toluene	10.635	92	603191	49.682	ug/l	95
53) t-1,3-Dichloropropene	10.841	75	370504	54.348	ug/l	99
54) cis-1,3-Dichloropropene	10.318	75	401753	53.312	ug/l	94
55) 1,1,2-Trichloroethane	11.023	97	240706	52.409	ug/l	95
56) Ethyl methacrylate	10.882	69	354325	52.983	ug/l	90
57) 1,3-Dichloropropane	11.170	76	408458	52.687	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.165	63	705862	261.281	ug/l	90
59) 2-Hexanone	11.200	43	930052	263.590	ug/l	91
60) Dibromochloromethane	11.365	129	266873	53.101	ug/l	99
61) 1,2-Dibromoethane	11.476	107	240970	49.996	ug/l	99
64) Tetrachloroethene	11.106	164	196748	46.975	ug/l	96
65) Chlorobenzene	11.894	112	649287	48.292	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.964	131	253904	51.345	ug/l	98
67) Ethyl Benzene	11.970	91	1151447	49.634	ug/l	99
68) m/p-Xylenes	12.076	106	879546	99.483	ug/l	98
69) o-Xylene	12.400	106	423144	48.737	ug/l	94
70) Styrene	12.417	104	704431	51.537	ug/l	98
71) Bromoform	12.582	173	170453	53.413	ug/l #	99
73) Isopropylbenzene	12.700	105	1078663	46.728	ug/l	99
74) N-amyl acetate	12.500	43	354661	46.656	ug/l	92
75) 1,1,2,2-Tetrachloroethane	12.941	83	337867	53.382	ug/l	100
76) 1,2,3-Trichloropropane	13.000	75	273093m	47.323	ug/l	
77) Bromobenzene	12.988	156	249396	46.541	ug/l	98
78) n-propylbenzene	13.041	91	1239961	49.440	ug/l	99
79) 2-Chlorotoluene	13.129	91	747906	46.198	ug/l	97
80) 1,3,5-Trimethylbenzene	13.176	105	882381	47.214	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.741	75	99366	52.901	ug/l	92
82) 4-Chlorotoluene	13.229	91	729162	48.259	ug/l	99
83) tert-Butylbenzene	13.441	119	737529	45.399	ug/l	97
84) 1,2,4-Trimethylbenzene	13.488	105	878995	48.512	ug/l	100
85) sec-Butylbenzene	13.623	105	957076	45.011	ug/l	99
86) p-Isopropyltoluene	13.735	119	789248	45.740	ug/l	99
87) 1,3-Dichlorobenzene	13.735	146	426259	47.027	ug/l	98
88) 1,4-Dichlorobenzene	13.817	146	410966	46.987	ug/l	100
89) n-Butylbenzene	14.058	91	601539	44.198	ug/l	97
90) Hexachloroethane	14.341	117	149938	48.965	ug/l	89
91) 1,2-Dichlorobenzene	14.111	146	419187	47.320	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.723	75	51748	45.258	ug/l	94
93) 1,2,4-Trichlorobenzene	15.400	180	138400	43.849	ug/l	99
94) Hexachlorobutadiene	15.505	225	69057	44.332	ug/l	99
95) Naphthalene	15.647	128	419522	39.514	ug/l	99
96) 1,2,3-Trichlorobenzene	15.841	180	150016	42.497	ug/l	96

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

