

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061523\
 Data File : VN078220.D
 Acq On : 15 Jun 2023 11:33
 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 06/16/2023
 Supervised By : Mahesh Dadoda 06/16/2023

Quant Time: Jun 16 06:02:35 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	408423	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	721930	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	639948	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	249262	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	283462	52.054	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 104.100%			
35) Dibromofluoromethane	8.177	113	238310	52.208	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 104.420%			
50) Toluene-d8	10.571	98	904923	51.424	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 102.840%			
62) 4-Bromofluorobenzene	12.853	95	280680	51.307	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 102.620%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.136	85	185057	40.083	ug/l	100
3) Chloromethane	2.371	50	206762	47.514	ug/l	98
4) Vinyl Chloride	2.524	62	263296	43.552	ug/l	99
5) Bromomethane	2.959	94	197803	43.294	ug/l	97
6) Chloroethane	3.124	64	189851	46.067	ug/l	93
7) Trichlorofluoromethane	3.506	101	363125	44.294	ug/l	95
8) Diethyl Ether	3.971	74	129805	45.062	ug/l	82
9) 1,1,2-Trichlorotrifluo...	4.383	101	197288	45.599	ug/l	98
10) Methyl Iodide	4.600	142	280803	45.893	ug/l	98
11) Tert butyl alcohol	5.530	59	158128	210.300	ug/l	100
12) 1,1-Dichloroethene	4.347	96	193132	43.303	ug/l	89
13) Acrolein	4.189	56	165895	200.185	ug/l	96
14) Allyl chloride	5.036	41	284415	52.241	ug/l	94
15) Acrylonitrile	5.724	53	474804	244.927	ug/l	99
16) Acetone	4.436	43	354952	226.456	ug/l	92
17) Carbon Disulfide	4.718	76	474067	41.296	ug/l	99
18) Methyl Acetate	5.036	43	340710	47.213	ug/l	89
19) Methyl tert-butyl Ether	5.806	73	681657	47.903	ug/l	98
20) Methylene Chloride	5.283	84	237613	45.875	ug/l	93
21) trans-1,2-Dichloroethene	5.794	96	216985	45.108	ug/l	93
22) Diisopropyl ether	6.677	45	654208	51.085	ug/l	95
23) Vinyl Acetate	6.612	43	1886062	247.755	ug/l #	91
24) 1,1-Dichloroethane	6.577	63	419795	49.692	ug/l	95
25) 2-Butanone	7.494	43	580225	240.721	ug/l #	86
26) 2,2-Dichloropropane	7.494	77	340121	54.526	ug/l	99
27) cis-1,2-Dichloroethene	7.494	96	263148	45.862	ug/l	92
28) Bromochloromethane	7.818	49	204960	52.841	ug/l	88
29) Tetrahydrofuran	7.847	42	389709	241.854	ug/l	85
30) Chloroform	7.971	83	458828	50.437	ug/l	91
31) Cyclohexane	8.259	56	307295	43.991	ug/l	90
32) 1,1,1-Trichloroethane	8.177	97	395792	49.558	ug/l	96
36) 1,1-Dichloropropene	8.382	75	322023	49.183	ug/l	97
37) Ethyl Acetate	7.571	43	252663	49.398	ug/l #	94
38) Carbon Tetrachloride	8.371	117	344207	49.788	ug/l	99
39) Methylcyclohexane	9.606	83	279569	41.202	ug/l	94
40) Benzene	8.612	78	971136	49.682	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.782	41	137695	49.666	ug/l	91
42) 1,2-Dichloroethane	8.677	62	350081	52.235	ug/l	97
43) Isopropyl Acetate	8.694	43	448207	45.820	ug/l	95
44) Trichloroethene	9.359	130	246517	47.755	ug/l	99
45) 1,2-Dichloropropane	9.629	63	252273	51.873	ug/l	100
46) Dibromomethane	9.718	93	176644	49.312	ug/l	96
47) Bromodichloromethane	9.894	83	363667	54.654	ug/l	96
48) Methyl methacrylate	9.688	41	202941	49.437	ug/l	92
49) 1,4-Dioxane	9.700	88	77762	901.279	ug/l #	89
51) 4-Methyl-2-Pentanone	10.453	43	1322243	256.692	ug/l	92
52) Toluene	10.635	92	616089	49.920	ug/l	97
53) t-1,3-Dichloropropene	10.841	75	368321	53.151	ug/l	97
54) cis-1,3-Dichloropropene	10.318	75	402289	52.516	ug/l	97
55) 1,1,2-Trichloroethane	11.023	97	247102	52.928	ug/l	97
56) Ethyl methacrylate	10.876	69	352443	51.846	ug/l	90
57) 1,3-Dichloropropane	11.165	76	413825	52.513	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.165	63	685088	249.473	ug/l	92
59) 2-Hexanone	11.200	43	913370	254.658	ug/l	92
60) Dibromochloromethane	11.365	129	263628	51.604	ug/l	97
61) 1,2-Dibromoethane	11.476	107	245135	50.034	ug/l	98
64) Tetrachloroethene	11.112	164	205440	48.120	ug/l	97
65) Chlorobenzene	11.894	112	647054	47.214	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.965	131	258214	51.227	ug/l	98
67) Ethyl Benzene	11.970	91	1143256	48.346	ug/l	98
68) m/p-Xylenes	12.076	106	878268	97.454	ug/l	99
69) o-Xylene	12.406	106	427484	48.303	ug/l	96
70) Styrene	12.417	104	706147	50.683	ug/l	98
71) Bromoform	12.582	173	166972	51.329	ug/l #	98
73) Isopropylbenzene	12.700	105	1058298	44.898	ug/l	100
74) N-amyl acetate	12.500	43	354492	45.670	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.941	83	340408	52.637	ug/l	100
76) 1,2,3-Trichloropropane	13.000	75	304835m	51.731	ug/l	
77) Bromobenzene	12.988	156	246791	45.103	ug/l	99
78) n-propylbenzene	13.041	91	1194612	46.648	ug/l	100
79) 2-Chlorotoluene	13.129	91	737945	44.641	ug/l	97
80) 1,3,5-Trimethylbenzene	13.176	105	874710	45.836	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.741	75	98222	51.211	ug/l	93
82) 4-Chlorotoluene	13.223	91	723805	46.915	ug/l	100
83) tert-Butylbenzene	13.441	119	710030	42.802	ug/l	96
84) 1,2,4-Trimethylbenzene	13.488	105	865572	46.783	ug/l	99
85) sec-Butylbenzene	13.623	105	921420	42.438	ug/l	100
86) p-Isopropyltoluene	13.735	119	758268	43.036	ug/l	98
87) 1,3-Dichlorobenzene	13.735	146	416437	44.994	ug/l	99
88) 1,4-Dichlorobenzene	13.817	146	412584	46.197	ug/l	99
89) n-Butylbenzene	14.059	91	589089	42.388	ug/l	98
90) Hexachloroethane	14.341	117	138210	44.201	ug/l	88
91) 1,2-Dichlorobenzene	14.111	146	422901	46.752	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.723	75	56076	48.030	ug/l	99
93) 1,2,4-Trichlorobenzene	15.400	180	138988	43.125	ug/l	98
94) Hexachlorobutadiene	15.506	225	65518	40.990	ug/l	98
95) Naphthalene	15.647	128	437235	40.331	ug/l	99
96) 1,2,3-Trichlorobenzene	15.847	180	151440	42.014	ug/l	100

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

