

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041323\
 Data File : VN077339.D
 Acq On : 13 Apr 2023 19:31
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 04/14/2023
 Supervised By : Mahesh Dadoda 04/14/2023

Quant Time: Apr 14 07:26:14 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N040523W.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 06 08:27:03 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.236	168	443707	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.107	114	881279	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.872	117	799210	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.795	152	349427	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.584	65	305962	50.453	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 100.900%			
35) Dibromofluoromethane	8.178	113	278228	49.316	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 98.640%			
50) Toluene-d8	10.572	98	1080263	47.564	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 95.120%			
62) 4-Bromofluorobenzene	12.854	95	373942	49.505	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 99.020%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.137	85	275276	48.607	ug/l	100
3) Chloromethane	2.372	50	315238	44.918	ug/l	96
4) Vinyl Chloride	2.519	62	457845	48.116	ug/l	100
5) Bromomethane	2.937	94	319956	46.382	ug/l	100
6) Chloroethane	3.113	64	302584	44.558	ug/l	98
7) Trichlorofluoromethane	3.496	101	435173	52.744	ug/l	95
8) Diethyl Ether	3.972	74	177643	51.380	ug/l	97
9) 1,1,2-Trichlorotrifluo...	4.378	101	261414	51.771	ug/l	98
10) Methyl Iodide	4.596	142	327545	53.338	ug/l	95
11) Tert butyl alcohol	5.537	59	302943	244.817	ug/l	100
12) 1,1-Dichloroethene	4.343	96	255161	49.091	ug/l	94
13) Acrolein	4.190	56	244875	208.944	ug/l	100
14) Allyl chloride	5.037	41	333608	42.496	ug/l	93
15) Acrylonitrile	5.737	53	704309	257.456	ug/l	99
16) Acetone	4.443	43	485568	217.166	ug/l	98
17) Carbon Disulfide	4.719	76	645723	46.070	ug/l	98
18) Methyl Acetate	5.043	43	431778	50.704	ug/l	97
19) Methyl tert-butyl Ether	5.807	73	962136	52.168	ug/l	99
20) Methylene Chloride	5.290	84	302678	47.933	ug/l	98
21) trans-1,2-Dichloroethene	5.795	96	289677	50.901	ug/l	98
22) Diisopropyl ether	6.684	45	800570	50.867	ug/l	98
23) Vinyl Acetate	6.613	43	3064292m	287.955	ug/l	
24) 1,1-Dichloroethane	6.578	63	511187	50.298	ug/l	99
25) 2-Butanone	7.489	43	895853	246.870	ug/l	99
26) 2,2-Dichloropropane	7.495	77	415219	44.555	ug/l	98
27) cis-1,2-Dichloroethene	7.495	96	360174	51.826	ug/l	95
28) Bromochloromethane	7.819	49	188741	46.168	ug/l	95
29) Tetrahydrofuran	7.842	42	591589	253.605	ug/l	97
30) Chloroform	7.972	83	568050	52.413	ug/l	98
31) Cyclohexane	8.266	56	420346	44.608	ug/l	95
32) 1,1,1-Trichloroethane	8.178	97	523175	53.078	ug/l	98
36) 1,1-Dichloropropene	8.378	75	410066	49.144	ug/l	99
37) Ethyl Acetate	7.566	43	377040	50.504	ug/l	99
38) Carbon Tetrachloride	8.366	117	442823	51.800	ug/l	94
39) Methylcyclohexane	9.607	83	547125	48.628	ug/l	94
40) Benzene	8.613	78	1286021	49.412	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.784	41	189570	47.240	ug/l	92
42) 1,2-Dichloroethane	8.678	62	420811	52.535	ug/l	99
43) Isopropyl Acetate	8.695	43	701923	50.954	ug/l	99
44) Trichloroethene	9.360	130	314442	50.494	ug/l	98
45) 1,2-Dichloropropane	9.625	63	315407	51.027	ug/l	93
46) Dibromomethane	9.713	93	240834	51.714	ug/l	100
47) Bromodichloromethane	9.889	83	469231	50.410	ug/l	99
48) Methyl methacrylate	9.689	41	294488	50.112	ug/l	98
49) 1,4-Dioxane	9.701	88	146724	1029.828	ug/l	97
51) 4-Methyl-2-Pentanone	10.448	43	2037360	255.865	ug/l	99
52) Toluene	10.636	92	863104	50.666	ug/l	98
53) t-1,3-Dichloropropene	10.842	75	516923	51.141	ug/l	98
54) cis-1,3-Dichloropropene	10.319	75	544383	50.562	ug/l	97
55) 1,1,2-Trichloroethane	11.019	97	342730	51.253	ug/l	99
56) Ethyl methacrylate	10.877	69	544066	52.235	ug/l	98
57) 1,3-Dichloropropane	11.166	76	580623	52.555	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.166	63	816566	263.362	ug/l	97
59) 2-Hexanone	11.201	43	1494632	251.954	ug/l	99
60) Dibromochloromethane	11.366	129	375391	54.506	ug/l	98
61) 1,2-Dibromoethane	11.477	107	357098	53.501	ug/l	100
64) Tetrachloroethene	11.107	164	250232	50.683	ug/l	98
65) Chlorobenzene	11.895	112	913862	51.937	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.966	131	339363	50.973	ug/l	98
67) Ethyl Benzene	11.966	91	1694610	52.191	ug/l	97
68) m/p-Xylenes	12.077	106	1316367	103.181	ug/l	100
69) o-Xylene	12.401	106	660926	52.513	ug/l	100
70) Styrene	12.419	104	1069669	52.813	ug/l	98
71) Bromoform	12.583	173	250700	53.494	ug/l #	99
73) Isopropylbenzene	12.701	105	1692727	49.875	ug/l	99
74) N-amyl acetate	12.495	43	608396	47.302	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.942	83	538282	50.538	ug/l	99
76) 1,2,3-Trichloropropane	13.001	75	483503m	58.108	ug/l	
77) Bromobenzene	12.983	156	353084	51.164	ug/l	96
78) n-propylbenzene	13.042	91	1916545	51.107	ug/l	100
79) 2-Chlorotoluene	13.130	91	1117835	49.505	ug/l	100
80) 1,3,5-Trimethylbenzene	13.177	105	1410645	52.038	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.742	75	171265	46.318	ug/l	94
82) 4-Chlorotoluene	13.224	91	1080036	50.731	ug/l	99
83) tert-Butylbenzene	13.442	119	1247013	51.682	ug/l	97
84) 1,2,4-Trimethylbenzene	13.489	105	1410629	52.673	ug/l	99
85) sec-Butylbenzene	13.624	105	1776670	52.835	ug/l	99
86) p-Isopropyltoluene	13.736	119	1459136	55.212	ug/l	99
87) 1,3-Dichlorobenzene	13.736	146	663223	51.947	ug/l	99
88) 1,4-Dichlorobenzene	13.818	146	650408	51.659	ug/l	99
89) n-Butylbenzene	14.060	91	1198895	54.646	ug/l	100
90) Hexachloroethane	14.342	117	296193	51.259	ug/l	95
91) 1,2-Dichlorobenzene	14.113	146	662048	51.835	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.724	75	107133	53.074	ug/l	97
93) 1,2,4-Trichlorobenzene	15.371	180	280626	60.865	ug/l	96
94) Hexachlorobutadiene	15.471	225	128905	48.299	ug/l	98
95) Naphthalene	15.589	128	1148234	66.295	ug/l	99
96) 1,2,3-Trichlorobenzene	15.760	180	275422	62.453	ug/l	97

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

