

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051723\
 Data File : VN077728.D
 Acq On : 17 May 2023 20:53
 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 18 01:41:34 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

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/18/2023
 Supervised By : Mahesh Dadoda 05/18/2023

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

Internal Standards						
1) Pentafluorobenzene	8.230	168	408850	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	739381	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	665517	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	301961	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	299995	49.039	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	98.080%		
35) Dibromofluoromethane	8.171	113	249351	51.717	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	103.440%		
50) Toluene-d8	10.571	98	983788	53.012	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	106.020%		
62) 4-Bromofluorobenzene	12.859	95	339120	51.740	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	103.480%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.130	85	213087	45.796	ug/l	97
3) Chloromethane	2.365	50	217486	43.865	ug/l	99
4) Vinyl Chloride	2.518	62	262546	44.754	ug/l	96
5) Bromomethane	2.959	94	183526	42.299	ug/l	98
6) Chloroethane	3.124	64	186209	44.044	ug/l	97
7) Trichlorofluoromethane	3.506	101	382691	46.809	ug/l	98
8) Diethyl Ether	3.965	74	136802	45.835	ug/l	85
9) 1,1,2-Trichlorotrifluo...	4.377	101	209124	46.221	ug/l	98
10) Methyl Iodide	4.595	142	287190	53.225	ug/l	98
11) Tert butyl alcohol	5.530	59	160056	189.580	ug/l #	87
12) 1,1-Dichloroethene	4.348	96	200278	46.574	ug/l	89
13) Acrolein	4.189	56	119624	224.866	ug/l	95
14) Allyl chloride	5.030	41	263717	41.746	ug/l	92
15) Acrylonitrile	5.724	53	492602	218.395	ug/l	99
16) Acetone	4.430	43	378185	196.498	ug/l	96
17) Carbon Disulfide	4.718	76	474632	40.964	ug/l	100
18) Methyl Acetate	5.036	43	352931	43.711	ug/l	88
19) Methyl tert-butyl Ether	5.806	73	710855	45.670	ug/l	98
20) Methylene Chloride	5.283	84	238357	47.482	ug/l	93
21) trans-1,2-Dichloroethene	5.794	96	223451	46.259	ug/l #	83
22) Diisopropyl ether	6.677	45	677603	45.762	ug/l	92
23) Vinyl Acetate	6.612	43	1991834	217.114	ug/l #	89
24) 1,1-Dichloroethane	6.577	63	427380	47.113	ug/l	97
25) 2-Butanone	7.488	43	628254	208.674	ug/l	88
26) 2,2-Dichloropropane	7.500	77	324991	42.169	ug/l	98
27) cis-1,2-Dichloroethene	7.494	96	270646	46.729	ug/l	91
28) Bromochloromethane	7.818	49	185001	47.155	ug/l	90
29) Tetrahydrofuran	7.841	42	410696	208.329	ug/l	85
30) Chloroform	7.971	83	469305	47.029	ug/l	92
31) Cyclohexane	8.265	56	369356	44.423	ug/l	92
32) 1,1,1-Trichloroethane	8.177	97	410484	48.383	ug/l	95
36) 1,1-Dichloropropene	8.377	75	337536	47.863	ug/l	97
37) Ethyl Acetate	7.565	43	261603	41.620	ug/l	95
38) Carbon Tetrachloride	8.371	117	364241	51.149	ug/l	98
39) Methylcyclohexane	9.606	83	410500	47.547	ug/l	93
40) Benzene	8.612	78	1002478	48.172	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.788	41	149284	44.597	ug/l	91
42) 1,2-Dichloroethane	8.677	62	357825	47.334	ug/l	96
43) Isopropyl Acetate	8.694	43	466042	45.393	ug/l	95
44) Trichloroethene	9.359	130	263162	49.942	ug/l	99
45) 1,2-Dichloropropane	9.630	63	259651	48.915	ug/l	95
46) Dibromomethane	9.712	93	181775	47.856	ug/l	96
47) Bromodichloromethane	9.894	83	363573	49.997	ug/l	96
48) Methyl methacrylate	9.688	41	221648	45.534	ug/l	89
49) 1,4-Dioxane	9.700	88	80524	875.852	ug/l #	91
51) 4-Methyl-2-Pentanone	10.453	43	1387552	227.366	ug/l	94
52) Toluene	10.635	92	649958	50.168	ug/l	97
53) t-1,3-Dichloropropene	10.841	75	376846	48.936	ug/l	100
54) cis-1,3-Dichloropropene	10.318	75	404715	47.691	ug/l	96
55) 1,1,2-Trichloroethane	11.024	97	255925	49.751	ug/l	96
56) Ethyl methacrylate	10.882	69	371207	47.726	ug/l	90
57) 1,3-Dichloropropane	11.171	76	428857	48.630	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.165	63	930487	243.174	ug/l	93
59) 2-Hexanone	11.200	43	991227	219.592	ug/l	92
60) Dibromochloromethane	11.365	129	273730	51.545	ug/l	99
61) 1,2-Dibromoethane	11.476	107	259492	50.565	ug/l	97
64) Tetrachloroethene	11.112	164	252622	54.279	ug/l	97
65) Chlorobenzene	11.900	112	699830	48.506	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.971	131	252814	50.642	ug/l	97
67) Ethyl Benzene	11.971	91	1260788	48.764	ug/l	100
68) m/p-Xylenes	12.076	106	979581	99.991	ug/l	99
69) o-Xylene	12.406	106	482268	50.056	ug/l	98
70) Styrene	12.418	104	786410	51.382	ug/l	99
71) Bromoform	12.588	173	173637	52.286	ug/l #	100
73) Isopropylbenzene	12.700	105	1248295	47.958	ug/l	99
74) N-amyl acetate	12.500	43	399345	41.507	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.941	83	346159	43.229	ug/l	99
76) 1,2,3-Trichloropropane	13.000	75	252914m	33.445	ug/l	
77) Bromobenzene	12.988	156	278173	46.830	ug/l	97
78) n-propylbenzene	13.041	91	1438234	46.868	ug/l	100
79) 2-Chlorotoluene	13.135	91	859247	46.924	ug/l	98
80) 1,3,5-Trimethylbenzene	13.182	105	1058371	48.379	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.741	75	102168	43.186	ug/l	93
82) 4-Chlorotoluene	13.229	91	829270	45.517	ug/l	98
83) tert-Butylbenzene	13.447	119	912590	47.785	ug/l	99
84) 1,2,4-Trimethylbenzene	13.488	105	1043953	48.522	ug/l	99
85) sec-Butylbenzene	13.623	105	1294588	47.697	ug/l	100
86) p-Isopropyltoluene	13.735	119	1076329	49.742	ug/l	98
87) 1,3-Dichlorobenzene	13.741	146	519324	47.275	ug/l	98
88) 1,4-Dichlorobenzene	13.817	146	503668	46.204	ug/l	97
89) n-Butylbenzene	14.065	91	915162	45.983	ug/l	100
90) Hexachloroethane	14.341	117	177105	49.823	ug/l	89
91) 1,2-Dichlorobenzene	14.112	146	510270	49.722	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.723	75	64829	41.818	ug/l	100
93) 1,2,4-Trichlorobenzene	15.400	180	262444	43.762	ug/l	96
94) Hexachlorobutadiene	15.511	225	112370	45.129	ug/l	98
95) Naphthalene	15.647	128	871814	42.235	ug/l	100
96) 1,2,3-Trichlorobenzene	15.847	180	268768	45.773	ug/l	99

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

