

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110323\
 Data File : VN079864.D
 Acq On : 03 Nov 2023 21:38
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 04 04:34:22 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N110123W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 02 05:49:08 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :John
 Carlone

11/04/2023
 Supervised By :Mahesh
 Dadoda

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

Internal Standards						
1) Pentafluorobenzene	8.230	168	304437	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	521548	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	485579	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	230207	50.000	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.583	65	269200	58.040	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 116.080%	
35) Dibromofluoromethane	8.165	113	207491	56.211	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 112.420%	
50) Toluene-d8	10.571	98	768877	56.581	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 113.160%#	
62) 4-Bromofluorobenzene	12.853	95	270412	60.001	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 120.000%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.124	85	189317	51.627	ug/l	99
3) Chloromethane	2.359	50	219455	48.010	ug/l	98
4) Vinyl Chloride	2.512	62	235575	49.077	ug/l	98
5) Bromomethane	2.942	94	149567	51.283	ug/l	98
6) Chloroethane	3.112	64	176271	46.475	ug/l	99
7) Trichlorofluoromethane	3.495	101	295819	49.549	ug/l	96
8) Diethyl Ether	3.959	74	114745	50.647	ug/l	64
9) 1,1,2-Trichlorotrifluo...	4.371	101	171279	49.489	ug/l	100
10) Methyl Iodide	4.589	142	192574	48.725	ug/l	99
11) Tert butyl alcohol	5.524	59	136234	230.092	ug/l	98
12) 1,1-Dichloroethene	4.342	96	164336	50.149	ug/l	84
13) Acrolein	4.177	56	138894	316.506	ug/l	100
14) Allyl chloride	5.018	41	267222	53.242	ug/l	90
15) Acrylonitrile	5.718	53	505793	274.121	ug/l	99
16) Acetone	4.424	43	409254	251.197	ug/l	89
17) Carbon Disulfide	4.712	76	452534	47.876	ug/l	100
18) Methyl Acetate	5.024	43	415235	53.272	ug/l #	84
19) Methyl tert-butyl Ether	5.795	73	601005	53.271	ug/l	96
20) Methylene Chloride	5.277	84	205582	50.009	ug/l #	82
21) trans-1,2-Dichloroethene	5.783	96	186141	50.932	ug/l #	81
22) Diisopropyl ether	6.677	45	678366	58.323	ug/l #	90
23) Vinyl Acetate	6.606	43	1813855	282.719	ug/l #	86
24) 1,1-Dichloroethane	6.571	63	394382	55.786	ug/l	98
25) 2-Butanone	7.483	43	672088	281.709	ug/l #	79
26) 2,2-Dichloropropane	7.494	77	279553	47.814	ug/l	98
27) cis-1,2-Dichloroethene	7.489	96	227670	52.078	ug/l	86
28) Bromochloromethane	7.818	49	195936	56.872	ug/l #	73
29) Tetrahydrofuran	7.841	42	448426	288.897	ug/l #	75
30) Chloroform	7.965	83	402265	52.384	ug/l	93
31) Cyclohexane	8.259	56	311429	50.813	ug/l	85
32) 1,1,1-Trichloroethane	8.171	97	338137	54.042	ug/l	94
36) 1,1-Dichloropropene	8.371	75	291827	55.369	ug/l	95
37) Ethyl Acetate	7.565	43	280746	58.081	ug/l #	90
38) Carbon Tetrachloride	8.365	117	291555	54.889	ug/l	98
39) Methylcyclohexane	9.606	83	271571	54.751	ug/l #	87
40) Benzene	8.612	78	866760	54.906	ug/l	100

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Reviewed By :John
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Supervised By :Mahesh
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11/06/2023

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.783	41	154139	60.051	ug/l #	83
42) 1,2-Dichloroethane	8.671	62	324253	58.804	ug/l	97
43) Isopropyl Acetate	8.694	43	458957	54.142	ug/l #	91
44) Trichloroethene	9.353	130	209474	53.475	ug/l	99
45) 1,2-Dichloropropane	9.624	63	233602	57.905	ug/l	97
46) Dibromomethane	9.712	93	155078	56.297	ug/l	97
47) Bromodichloromethane	9.888	83	321376	54.705	ug/l	98
48) Methyl methacrylate	9.688	41	225259	60.668	ug/l #	81
49) 1,4-Dioxane	9.694	88	70815	1079.361	ug/l #	80
51) 4-Methyl-2-Pentanone	10.447	43	1440981	301.939	ug/l	90
52) Toluene	10.635	92	539339	57.630	ug/l	100
53) t-1,3-Dichloropropene	10.835	75	329283	57.176	ug/l	98
54) cis-1,3-Dichloropropene	10.318	75	353114	56.252	ug/l #	90
55) 1,1,2-Trichloroethane	11.018	97	208827	55.477	ug/l	94
56) Ethyl methacrylate	10.877	69	319021	59.416	ug/l #	84
57) 1,3-Dichloropropane	11.165	76	378270	57.011	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.165	63	758564	278.746	ug/l	89
59) 2-Hexanone	11.200	43	1045284	286.308	ug/l	87
60) Dibromochloromethane	11.365	129	223675	55.513	ug/l	98
61) 1,2-Dibromoethane	11.471	107	208587	55.209	ug/l	97
64) Tetrachloroethene	11.106	164	184655	58.716	ug/l	97
65) Chlorobenzene	11.894	112	554377	52.632	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.965	131	209429	55.186	ug/l	97
67) Ethyl Benzene	11.965	91	1028711	56.056	ug/l	97
68) m/p-Xylenes	12.076	106	760201	111.202	ug/l	94
69) o-Xylene	12.400	106	369892	56.190	ug/l	94
70) Styrene	12.412	104	623181	58.906	ug/l	98
71) Bromoform	12.582	173	151454	56.203	ug/l #	99
73) Isopropylbenzene	12.700	105	928321	53.134	ug/l	99
74) N-amyl acetate	12.494	43	388682	50.968	ug/l #	90
75) 1,1,2,2-Tetrachloroethane	12.941	83	306382	49.460	ug/l	99
76) 1,2,3-Trichloropropane	12.994	75	275845m	51.039	ug/l	
77) Bromobenzene	12.982	156	220524	51.555	ug/l	92
78) n-propylbenzene	13.041	91	1102821	55.121	ug/l	97
79) 2-Chlorotoluene	13.129	91	676583	52.936	ug/l	100
80) 1,3,5-Trimethylbenzene	13.176	105	766084	56.358	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.741	75	92320	46.476	ug/l #	76
82) 4-Chlorotoluene	13.223	91	672228	52.928	ug/l	99
83) tert-Butylbenzene	13.441	119	619696	55.694	ug/l	98
84) 1,2,4-Trimethylbenzene	13.482	105	769007	57.501	ug/l	100
85) sec-Butylbenzene	13.618	105	880103	57.092	ug/l	100
86) p-Isopropyltoluene	13.735	119	717667	57.101	ug/l	99
87) 1,3-Dichlorobenzene	13.735	146	407563	51.219	ug/l	98
88) 1,4-Dichlorobenzene	13.812	146	402023	49.775	ug/l	99
89) n-Butylbenzene	14.059	91	613389	56.663	ug/l	99
90) Hexachloroethane	14.335	117	134979	54.228	ug/l	91
91) 1,2-Dichlorobenzene	14.112	146	396914	52.840	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.723	75	54272	51.663	ug/l	99
93) 1,2,4-Trichlorobenzene	15.400	180	190427	53.315	ug/l	96
94) Hexachlorobutadiene	15.506	225	84474	52.172	ug/l	98
95) Naphthalene	15.647	128	594608	49.090	ug/l	99
96) 1,2,3-Trichlorobenzene	15.841	180	190036	54.279	ug/l	98

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

