

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110623\
 Data File : VN079913.D
 Acq On : 06 Nov 2023 11:07
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 11/07/2023
 Supervised By : Mahesh Dadoda 11/07/2023

Quant Time: Nov 07 03:57:24 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

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	297089	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	506244	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	465672	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	217390	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	243577	53.814	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 107.620%			
35) Dibromofluoromethane	8.171	113	186680	52.102	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 104.200%			
50) Toluene-d8	10.571	98	685119	51.941	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 103.880%			
62) 4-Bromofluorobenzene	12.853	95	242203	55.366	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 110.740%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.124	85	179420	50.138	ug/l	97
3) Chloromethane	2.365	50	198823	44.400	ug/l	98
4) Vinyl Chloride	2.512	62	263169	56.182	ug/l	100
5) Bromomethane	2.942	94	163446	57.427	ug/l	99
6) Chloroethane	3.112	64	173292	46.820	ug/l	98
7) Trichlorofluoromethane	3.495	101	294345	50.522	ug/l	96
8) Diethyl Ether	3.959	74	114269	51.684	ug/l	65
9) 1,1,2-Trichlorotrifluo...	4.371	101	172933	51.203	ug/l	99
10) Methyl Iodide	4.589	142	200753	52.050	ug/l	97
11) Tert butyl alcohol	5.518	59	144427	249.963	ug/l #	88
12) 1,1-Dichloroethene	4.342	96	156660	48.989	ug/l	84
13) Acrolein	4.177	56	143813	344.313	ug/l	98
14) Allyl chloride	5.024	41	263942	53.889	ug/l #	89
15) Acrylonitrile	5.718	53	476791	264.794	ug/l	99
16) Acetone	4.424	43	561247	353.010	ug/l	90
17) Carbon Disulfide	4.712	76	427626	46.360	ug/l	99
18) Methyl Acetate	5.024	43	393014	51.668	ug/l #	85
19) Methyl tert-butyl Ether	5.794	73	591019	53.682	ug/l #	91
20) Methylene Chloride	5.277	84	201372	50.196	ug/l #	80
21) trans-1,2-Dichloroethene	5.783	96	179835	50.423	ug/l #	83
22) Diisopropyl ether	6.677	45	660805	58.218	ug/l #	91
23) Vinyl Acetate	6.606	43	1754104	280.168	ug/l #	87
24) 1,1-Dichloroethane	6.571	63	379279	54.977	ug/l	97
25) 2-Butanone	7.482	43	716048	307.559	ug/l #	80
26) 2,2-Dichloropropane	7.494	77	307881	53.962	ug/l	99
27) cis-1,2-Dichloroethene	7.488	96	221972	52.031	ug/l	84
28) Bromochloromethane	7.812	49	182463	54.271	ug/l #	75
29) Tetrahydrofuran	7.841	42	415557	274.343	ug/l #	75
30) Chloroform	7.971	83	382544	51.048	ug/l	97
31) Cyclohexane	8.259	56	298996	49.991	ug/l	85
32) 1,1,1-Trichloroethane	8.171	97	326818	53.524	ug/l	93
36) 1,1-Dichloropropene	8.371	75	282528	55.226	ug/l	95
37) Ethyl Acetate	7.565	43	259575	55.324	ug/l #	93
38) Carbon Tetrachloride	8.365	117	281922	54.679	ug/l	96
39) Methylcyclohexane	9.606	83	249251	51.770	ug/l #	88
40) Benzene	8.606	78	840976	54.884	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.777	41	144804	58.119	ug/l #	85
42) 1,2-Dichloroethane	8.671	62	313011	58.481	ug/l	97
43) Isopropyl Acetate	8.688	43	436243	53.018	ug/l #	90
44) Trichloroethene	9.359	130	204091	53.676	ug/l	96
45) 1,2-Dichloropropane	9.624	63	227800	58.174	ug/l	96
46) Dibromomethane	9.706	93	150551	56.306	ug/l	96
47) Bromodichloromethane	9.888	83	313010	54.891	ug/l	98
48) Methyl methacrylate	9.682	41	215361	59.755	ug/l #	79
49) 1,4-Dioxane	9.694	88	69648	1093.666	ug/l #	78
51) 4-Methyl-2-Pentanone	10.447	43	1348675	291.140	ug/l	90
52) Toluene	10.635	92	518677	57.097	ug/l	100
53) t-1,3-Dichloropropene	10.841	75	322705	57.728	ug/l	98
54) cis-1,3-Dichloropropene	10.318	75	352733	57.890	ug/l #	90
55) 1,1,2-Trichloroethane	11.018	97	206955	56.642	ug/l	95
56) Ethyl methacrylate	10.876	69	306842	58.876	ug/l #	86
57) 1,3-Dichloropropane	11.165	76	370577	57.540	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.165	63	700595	265.227	ug/l	89
59) 2-Hexanone	11.200	43	1046245	295.235	ug/l	88
60) Dibromochloromethane	11.365	129	223462	57.137	ug/l	99
61) 1,2-Dibromoethane	11.470	107	203386	55.460	ug/l	98
64) Tetrachloroethene	11.106	164	186615	61.876	ug/l	98
65) Chlorobenzene	11.894	112	544026	53.857	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.965	131	204412	56.166	ug/l	97
67) Ethyl Benzene	11.965	91	974304	55.361	ug/l	97
68) m/p-Xylenes	12.070	106	733676	111.910	ug/l	93
69) o-Xylene	12.400	106	356147	56.415	ug/l	93
70) Styrene	12.412	104	609270	60.053	ug/l	98
71) Bromoform	12.582	173	149525	57.859	ug/l #	98
73) Isopropylbenzene	12.700	105	892508	54.096	ug/l	99
74) N-amyl acetate	12.500	43	361892	50.253	ug/l #	90
75) 1,1,2,2-Tetrachloroethane	12.941	83	282108	48.226	ug/l	99
76) 1,2,3-Trichloropropane	12.994	75	264907m	51.905	ug/l	
77) Bromobenzene	12.982	156	219940	54.450	ug/l	95
78) n-propylbenzene	13.041	91	1061743	56.196	ug/l	97
79) 2-Chlorotoluene	13.129	91	656960	54.431	ug/l	99
80) 1,3,5-Trimethylbenzene	13.176	105	734082	57.188	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.741	75	90926	48.473	ug/l #	76
82) 4-Chlorotoluene	13.223	91	661860	55.184	ug/l	99
83) tert-Butylbenzene	13.441	119	578872	55.093	ug/l	98
84) 1,2,4-Trimethylbenzene	13.488	105	741236	58.692	ug/l	100
85) sec-Butylbenzene	13.617	105	790253	54.285	ug/l	100
86) p-Isopropyltoluene	13.735	119	656354	55.301	ug/l	99
87) 1,3-Dichlorobenzene	13.735	146	397082	52.844	ug/l	98
88) 1,4-Dichlorobenzene	13.812	146	397596	52.129	ug/l	100
89) n-Butylbenzene	14.059	91	545995	53.411	ug/l	99
90) Hexachloroethane	14.335	117	118245	50.306	ug/l	89
91) 1,2-Dichlorobenzene	14.106	146	381418	53.770	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.723	75	52760	53.185	ug/l	95
93) 1,2,4-Trichlorobenzene	15.394	180	174616	51.771	ug/l	97
94) Hexachlorobutadiene	15.500	225	74415	48.669	ug/l	99
95) Naphthalene	15.647	128	550993	48.171	ug/l	99
96) 1,2,3-Trichlorobenzene	15.841	180	168499	50.965	ug/l	98

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

