

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092623\
 Data File : VN079345.D
 Acq On : 26 Sep 2023 09:53
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Quant Time: Sep 27 06:22:21 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091123W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 12 05:05:24 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 09/27/2023
 Supervised By : Mahesh Dadoda 09/27/2023

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

Internal Standards						
1) Pentafluorobenzene	8.229	168	173709	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	301485	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	276211	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	124857	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	127841	54.519	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 109.040%			
35) Dibromofluoromethane	8.171	113	102298	51.011	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.020%			
50) Toluene-d8	10.571	98	378240	51.366	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 102.740%			
62) 4-Bromofluorobenzene	12.853	95	127731	54.380	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 108.760%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.124	85	89931	52.323	ug/l	99
3) Chloromethane	2.365	50	115306	51.104	ug/l	97
4) Vinyl Chloride	2.518	62	137235	55.822	ug/l	99
5) Bromomethane	2.942	94	77664	54.959	ug/l	100
6) Chloroethane	3.118	64	94774	60.477	ug/l	92
7) Trichlorofluoromethane	3.495	101	189640	52.678	ug/l	98
8) Diethyl Ether	3.959	74	64254	51.423	ug/l	64
9) 1,1,2-Trichlorotrifluo...	4.371	101	98225	51.305	ug/l	99
10) Methyl Iodide	4.589	142	110494	70.554	ug/l	99
11) Tert butyl alcohol	5.524	59	85528	197.561	ug/l	99
12) 1,1-Dichloroethene	4.347	96	90260	48.718	ug/l	86
13) Acrolein	4.177	56	120344	291.419	ug/l	96
14) Allyl chloride	5.024	41	147322	49.848	ug/l	90
15) Acrylonitrile	5.718	53	296113	263.787	ug/l	100
16) Acetone	4.430	43	319198	320.514	ug/l	92
17) Carbon Disulfide	4.712	76	230459	39.800	ug/l	100
18) Methyl Acetate	5.030	43	229126	55.980	ug/l #	84
19) Methyl tert-butyl Ether	5.794	73	339037	53.358	ug/l	96
20) Methylene Chloride	5.277	84	118246	48.791	ug/l #	78
21) trans-1,2-Dichloroethene	5.794	96	104643	48.690	ug/l	87
22) Diisopropyl ether	6.677	45	385643	59.470	ug/l #	89
23) Vinyl Acetate	6.606	43	1134421	284.418	ug/l #	86
24) 1,1-Dichloroethane	6.571	63	219928	55.017	ug/l	97
25) 2-Butanone	7.488	43	415528	287.569	ug/l #	80
26) 2,2-Dichloropropane	7.494	77	185202	56.457	ug/l	99
27) cis-1,2-Dichloroethene	7.494	96	129145	52.552	ug/l	88
28) Bromochloromethane	7.818	49	94265	52.155	ug/l #	74
29) Tetrahydrofuran	7.835	42	255935	278.327	ug/l #	75
30) Chloroform	7.971	83	228917	55.001	ug/l	92
31) Cyclohexane	8.259	56	169089	49.385	ug/l	88
32) 1,1,1-Trichloroethane	8.171	97	191796	54.060	ug/l	93
36) 1,1-Dichloropropene	8.371	75	161317	52.187	ug/l	94
37) Ethyl Acetate	7.565	43	161389	52.346	ug/l #	91
38) Carbon Tetrachloride	8.365	117	161201	50.394	ug/l	97
39) Methylcyclohexane	9.606	83	159341	52.259	ug/l #	87
40) Benzene	8.612	78	481905	50.927	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.782	41	90804	58.412	ug/l #	84
42) 1,2-Dichloroethane	8.671	62	180649	55.454	ug/l	98
43) Isopropyl Acetate	8.688	43	265507	52.777	ug/l #	89
44) Trichloroethene	9.353	130	113971	48.893	ug/l	99
45) 1,2-Dichloropropane	9.624	63	131989	56.203	ug/l	98
46) Dibromomethane	9.712	93	85334	53.527	ug/l	94
47) Bromodichloromethane	9.888	83	183443	56.179	ug/l	99
48) Methyl methacrylate	9.682	41	126524	56.149	ug/l #	81
49) 1,4-Dioxane	9.700	88	43231	932.756	ug/l #	82
51) 4-Methyl-2-Pentanone	10.447	43	836445	286.424	ug/l	89
52) Toluene	10.635	92	298475	51.326	ug/l	96
53) t-1,3-Dichloropropene	10.841	75	188532	54.757	ug/l	99
54) cis-1,3-Dichloropropene	10.318	75	202508	54.991	ug/l #	90
55) 1,1,2-Trichloroethane	11.023	97	122314	53.603	ug/l	99
56) Ethyl methacrylate	10.876	69	180122	55.920	ug/l #	83
57) 1,3-Dichloropropane	11.165	76	214759	54.444	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.165	63	411672	297.449	ug/l #	88
59) 2-Hexanone	11.200	43	615669	291.077	ug/l	88
60) Dibromochloromethane	11.365	129	127544	52.520	ug/l	100
61) 1,2-Dibromoethane	11.470	107	118192	51.903	ug/l	97
64) Tetrachloroethene	11.106	164	95702	47.517	ug/l	97
65) Chlorobenzene	11.894	112	310826	49.674	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.965	131	118657	50.570	ug/l	97
67) Ethyl Benzene	11.970	91	586902	54.836	ug/l	96
68) m/p-Xylenes	12.076	106	434578	108.935	ug/l	94
69) o-Xylene	12.400	106	209016	54.630	ug/l	92
70) Styrene	12.412	104	358685	58.290	ug/l	98
71) Bromoform	12.582	173	87176	50.327	ug/l #	99
73) Isopropylbenzene	12.700	105	551387	48.539	ug/l	99
74) N-amyl acetate	12.494	43	220191	51.091	ug/l #	88
75) 1,1,2,2-Tetrachloroethane	12.941	83	181224	42.841	ug/l	99
76) 1,2,3-Trichloropropane	12.994	75	160240m	47.619	ug/l	
77) Bromobenzene	12.982	156	123478	42.928	ug/l	92
78) n-propylbenzene	13.041	91	664367	52.062	ug/l	98
79) 2-Chlorotoluene	13.129	91	393788	47.181	ug/l	100
80) 1,3,5-Trimethylbenzene	13.176	105	465605	49.190	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.741	75	55333	45.206	ug/l #	78
82) 4-Chlorotoluene	13.223	91	386644	49.301	ug/l	99
83) tert-Butylbenzene	13.441	119	378612	48.351	ug/l	99
84) 1,2,4-Trimethylbenzene	13.482	105	461507	51.196	ug/l	99
85) sec-Butylbenzene	13.617	105	550635	51.079	ug/l	99
86) p-Isopropyltoluene	13.735	119	443657	51.513	ug/l	99
87) 1,3-Dichlorobenzene	13.735	146	228152	48.359	ug/l	98
88) 1,4-Dichlorobenzene	13.817	146	221840	46.534	ug/l	99
89) n-Butylbenzene	14.059	91	371665	54.878	ug/l	98
90) Hexachloroethane	14.335	117	85283	48.762	ug/l	89
91) 1,2-Dichlorobenzene	14.111	146	220720	47.391	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.723	75	28908	44.955	ug/l	99
93) 1,2,4-Trichlorobenzene	15.394	180	82261	49.150	ug/l	98
94) Hexachlorobutadiene	15.506	225	51700	39.268	ug/l	99
95) Naphthalene	15.647	128	218881	44.032	ug/l	98
96) 1,2,3-Trichlorobenzene	15.841	180	85904	43.512	ug/l	97

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

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