

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091523\
 Data File : VN079262.D
 Acq On : 15 Sep 2023 10:08
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Quant Time: Sep 16 01:34:16 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 09/18/2023
 Supervised By : Mahesh Dadoda 09/18/2023

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

Internal Standards						
1) Pentafluorobenzene	8.230	168	165445	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	291721	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	268502	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	117161	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	141744	63.467	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 126.940%#			
35) Dibromofluoromethane	8.171	113	108974	56.159	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 112.320%			
50) Toluene-d8	10.571	98	401218	56.310	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 112.620%			
62) 4-Bromofluorobenzene	12.853	95	133798	58.870	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 117.740%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.124	85	85696	52.349	ug/l	99
3) Chloromethane	2.365	50	112233	52.227	ug/l	96
4) Vinyl Chloride	2.512	62	124795	53.297	ug/l	96
5) Bromomethane	2.936	94	76357	56.733	ug/l	100
6) Chloroethane	3.106	64	89621	60.038	ug/l	98
7) Trichlorofluoromethane	3.495	101	173806	50.691	ug/l	100
8) Diethyl Ether	3.959	74	65714	55.218	ug/l	67
9) 1,1,2-Trichlorotrifluo...	4.371	101	87325	47.890	ug/l	99
10) Methyl Iodide	4.589	142	96524	64.712	ug/l	99
11) Tert butyl alcohol	5.530	59	103456	250.909	ug/l	100
12) 1,1-Dichloroethene	4.342	96	84339	47.796	ug/l	90
13) Acrolein	4.183	56	118009	300.038	ug/l	99
14) Allyl chloride	5.030	41	137191	48.738	ug/l	89
15) Acrylonitrile	5.724	53	298969	279.634	ug/l	100
16) Acetone	4.430	43	291443	307.262	ug/l	95
17) Carbon Disulfide	4.712	76	228645	41.459	ug/l	96
18) Methyl Acetate	5.024	43	220612	56.592	ug/l #	84
19) Methyl tert-butyl Ether	5.800	73	340721	56.302	ug/l	92
20) Methylene Chloride	5.277	84	111772	48.423	ug/l #	82
21) trans-1,2-Dichloroethene	5.789	96	97414	47.590	ug/l #	76
22) Diisopropyl ether	6.677	45	368515	59.668	ug/l #	88
23) Vinyl Acetate	6.606	43	1150862	302.952	ug/l #	87
24) 1,1-Dichloroethane	6.571	63	201470	52.917	ug/l	98
25) 2-Butanone	7.488	43	411377	298.917	ug/l #	81
26) 2,2-Dichloropropane	7.494	77	160638	51.415	ug/l	100
27) cis-1,2-Dichloroethene	7.488	96	123905	52.938	ug/l	88
28) Bromochloromethane	7.818	49	114007	66.229	ug/l #	76
29) Tetrahydrofuran	7.841	42	252322	288.104	ug/l #	78
30) Chloroform	7.971	83	210200	53.027	ug/l	95
31) Cyclohexane	8.259	56	156367	47.951	ug/l	89
32) 1,1,1-Trichloroethane	8.171	97	170770	50.538	ug/l	93
36) 1,1-Dichloropropene	8.377	75	145975	48.805	ug/l	96
37) Ethyl Acetate	7.565	43	167470	56.136	ug/l #	90
38) Carbon Tetrachloride	8.365	117	146319	47.273	ug/l	97
39) Methylcyclohexane	9.606	83	144538	48.990	ug/l #	88
40) Benzene	8.612	78	450904	49.246	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.783	41	83348	55.411	ug/l	87
42) 1,2-Dichloroethane	8.671	62	167141	53.025	ug/l	98
43) Isopropyl Acetate	8.694	43	269421	55.348	ug/l #	91
44) Trichloroethene	9.359	130	104651	46.397	ug/l	100
45) 1,2-Dichloropropane	9.624	63	121413	53.430	ug/l	94
46) Dibromomethane	9.712	93	81071	52.555	ug/l	93
47) Bromodichloromethane	9.894	83	172318	54.539	ug/l	96
48) Methyl methacrylate	9.682	41	123842	56.798	ug/l #	82
49) 1,4-Dioxane	9.700	88	46316	1032.766	ug/l #	81
51) 4-Methyl-2-Pentanone	10.447	43	830237	293.814	ug/l	89
52) Toluene	10.635	92	277396	49.298	ug/l	97
53) t-1,3-Dichloropropene	10.835	75	180123	54.066	ug/l	97
54) cis-1,3-Dichloropropene	10.318	75	194401	54.556	ug/l #	91
55) 1,1,2-Trichloroethane	11.024	97	115565	52.341	ug/l	97
56) Ethyl methacrylate	10.877	69	181088	58.101	ug/l #	82
57) 1,3-Dichloropropane	11.165	76	205795	53.918	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.165	63	358707	271.080	ug/l	90
59) 2-Hexanone	11.200	43	606062	296.125	ug/l	88
60) Dibromochloromethane	11.365	129	122387	52.083	ug/l	99
61) 1,2-Dibromoethane	11.476	107	115716	52.516	ug/l	97
64) Tetrachloroethene	11.106	164	85023	43.427	ug/l	98
65) Chlorobenzene	11.894	112	287947	47.339	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.965	131	112832	49.468	ug/l	98
67) Ethyl Benzene	11.971	91	528715	50.818	ug/l	96
68) m/p-Xylenes	12.076	106	395809	102.066	ug/l	94
69) o-Xylene	12.400	106	193219	51.951	ug/l	93
70) Styrene	12.418	104	325616	54.435	ug/l	98
71) Bromoform	12.582	173	83151	49.382	ug/l #	100
73) Isopropylbenzene	12.700	105	498056	46.724	ug/l	99
74) N-amyl acetate	12.494	43	219815	54.354	ug/l #	88
75) 1,1,2,2-Tetrachloroethane	12.941	83	175489	44.211	ug/l	99
76) 1,2,3-Trichloropropane	12.994	75	158476m	50.188	ug/l	
77) Bromobenzene	12.982	156	117676	43.598	ug/l	96
78) n-propylbenzene	13.041	91	584666	48.826	ug/l	97
79) 2-Chlorotoluene	13.129	91	350192	44.714	ug/l	100
80) 1,3,5-Trimethylbenzene	13.176	105	412606	46.454	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.741	75	53816	46.855	ug/l #	84
82) 4-Chlorotoluene	13.223	91	349182	47.449	ug/l	99
83) tert-Butylbenzene	13.441	119	332537	45.257	ug/l	98
84) 1,2,4-Trimethylbenzene	13.488	105	406947	48.109	ug/l	100
85) sec-Butylbenzene	13.618	105	473291	46.788	ug/l	100
86) p-Isopropyltoluene	13.735	119	387592	47.960	ug/l	100
87) 1,3-Dichlorobenzene	13.735	146	204272	46.142	ug/l	97
88) 1,4-Dichlorobenzene	13.817	146	200475	44.814	ug/l	99
89) n-Butylbenzene	14.059	91	313441	49.321	ug/l	98
90) Hexachloroethane	14.341	117	74986	45.690	ug/l	91
91) 1,2-Dichlorobenzene	14.112	146	199705	45.696	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.723	75	28987	48.039	ug/l	99
93) 1,2,4-Trichlorobenzene	15.400	180	72906	46.422	ug/l	98
94) Hexachlorobutadiene	15.506	225	42686	34.551	ug/l	95
95) Naphthalene	15.647	128	218658	46.877	ug/l	99
96) 1,2,3-Trichlorobenzene	15.847	180	79047	42.669	ug/l	99

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

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