

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092823\
 Data File : VN079363.D
 Acq On : 28 Sep 2023 09:53
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 09/29/2023
 Supervised By : Semsettin Yesilyurt 09/29/2023

Quant Time: Sep 29 04:25:36 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

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

Internal Standards						
1) Pentafluorobenzene	8.230	168	176112	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	303382	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	284175	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	128834	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	146125	61.466	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 122.940%			
35) Dibromofluoromethane	8.171	113	115900	57.432	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 114.860%			
50) Toluene-d8	10.571	98	426633	57.576	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 115.160%#			
62) 4-Bromofluorobenzene	12.853	95	145202	61.432	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 122.860%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.130	85	92877	53.300	ug/l	95
3) Chloromethane	2.365	50	116850	51.082	ug/l	98
4) Vinyl Chloride	2.518	62	137675	55.236	ug/l	94
5) Bromomethane	2.948	94	77418	54.037	ug/l	99
6) Chloroethane	3.118	64	98550	62.054	ug/l	99
7) Trichlorofluoromethane	3.500	101	177114	48.527	ug/l	98
8) Diethyl Ether	3.965	74	65202	51.469	ug/l	62
9) 1,1,2-Trichlorotrifluo...	4.377	101	104542	53.860	ug/l	98
10) Methyl Iodide	4.589	142	111724	70.366	ug/l	100
11) Tert butyl alcohol	5.530	59	90283	205.699	ug/l	100
12) 1,1-Dichloroethene	4.342	96	93078	49.554	ug/l #	83
13) Acrolein	4.183	56	92973	222.067	ug/l	97
14) Allyl chloride	5.030	41	149968	50.051	ug/l	90
15) Acrylonitrile	5.724	53	312206	274.328	ug/l	98
16) Acetone	4.430	43	346086	342.771	ug/l	94
17) Carbon Disulfide	4.718	76	236401	40.269	ug/l	97
18) Methyl Acetate	5.030	43	235603	56.777	ug/l #	83
19) Methyl tert-butyl Ether	5.800	73	353529	54.880	ug/l	92
20) Methylene Chloride	5.277	84	122435	49.830	ug/l #	85
21) trans-1,2-Dichloroethene	5.789	96	108197	49.656	ug/l #	82
22) Diisopropyl ether	6.677	45	399842	60.819	ug/l #	90
23) Vinyl Acetate	6.606	43	1154603	285.528	ug/l #	87
24) 1,1-Dichloroethane	6.577	63	227715	56.187	ug/l	97
25) 2-Butanone	7.488	43	449470	306.814	ug/l #	79
26) 2,2-Dichloropropane	7.494	77	185019	55.632	ug/l	98
27) cis-1,2-Dichloroethene	7.488	96	135413	54.351	ug/l	87
28) Bromochloromethane	7.818	49	130734	71.346	ug/l #	72
29) Tetrahydrofuran	7.841	42	271793	291.540	ug/l #	75
30) Chloroform	7.971	83	241119	57.142	ug/l	93
31) Cyclohexane	8.259	56	173222	49.902	ug/l	85
32) 1,1,1-Trichloroethane	8.171	97	197437	54.891	ug/l	94
36) 1,1-Dichloropropene	8.371	75	164778	52.974	ug/l	96
37) Ethyl Acetate	7.565	43	170549	54.971	ug/l #	89
38) Carbon Tetrachloride	8.365	117	168112	52.226	ug/l	96
39) Methylcyclohexane	9.606	83	160646	52.357	ug/l #	86
40) Benzene	8.612	78	503341	52.860	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.783	41	89677	57.327	ug/l #	84
42) 1,2-Dichloroethane	8.671	62	182752	55.749	ug/l	99
43) Isopropyl Acetate	8.694	43	279245	55.161	ug/l #	89
44) Trichloroethene	9.353	130	116574	49.697	ug/l	96
45) 1,2-Dichloropropane	9.624	63	139071	58.849	ug/l	97
46) Dibromomethane	9.712	93	90811	56.606	ug/l	96
47) Bromodichloromethane	9.888	83	192721	58.652	ug/l	99
48) Methyl methacrylate	9.682	41	134473	59.303	ug/l #	80
49) 1,4-Dioxane	9.700	88	46413	995.149	ug/l #	82
51) 4-Methyl-2-Pentanone	10.447	43	889442	302.667	ug/l	90
52) Toluene	10.635	92	312915	53.472	ug/l	96
53) t-1,3-Dichloropropene	10.841	75	193493	55.847	ug/l	95
54) cis-1,3-Dichloropropene	10.318	75	210477	56.797	ug/l #	90
55) 1,1,2-Trichloroethane	11.018	97	127659	55.596	ug/l	97
56) Ethyl methacrylate	10.876	69	188141	58.044	ug/l #	82
57) 1,3-Dichloropropane	11.171	76	226199	56.986	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.165	63	377878	274.202	ug/l	89
59) 2-Hexanone	11.200	43	654887	307.682	ug/l	88
60) Dibromochloromethane	11.359	129	137396	56.223	ug/l	99
61) 1,2-Dibromoethane	11.471	107	123204	53.765	ug/l	98
64) Tetrachloroethene	11.106	164	100136	48.326	ug/l	99
65) Chlorobenzene	11.894	112	324945	50.476	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.965	131	125774	52.101	ug/l	97
67) Ethyl Benzene	11.965	91	606527	55.082	ug/l	95
68) m/p-Xylenes	12.076	106	455610	111.006	ug/l	94
69) o-Xylene	12.400	106	216950	55.114	ug/l	93
70) Styrene	12.412	104	376440	59.460	ug/l	99
71) Bromoform	12.582	173	91534	51.362	ug/l #	100
73) Isopropylbenzene	12.700	105	571563	48.762	ug/l	99
74) N-amyl acetate	12.500	43	226517	50.936	ug/l #	89
75) 1,1,2,2-Tetrachloroethane	12.941	83	195717	44.839	ug/l	100
76) 1,2,3-Trichloropropane	12.994	75	167644m	48.281	ug/l	
77) Bromobenzene	12.982	156	130472	43.959	ug/l	94
78) n-propylbenzene	13.041	91	698091	53.016	ug/l	97
79) 2-Chlorotoluene	13.129	91	412514	47.899	ug/l	99
80) 1,3,5-Trimethylbenzene	13.176	105	481117	49.259	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.741	75	57867	45.817	ug/l #	83
82) 4-Chlorotoluene	13.223	91	404257	49.956	ug/l	98
83) tert-Butylbenzene	13.441	119	390314	48.307	ug/l	97
84) 1,2,4-Trimethylbenzene	13.488	105	478607	51.454	ug/l	99
85) sec-Butylbenzene	13.617	105	572079	51.430	ug/l	99
86) p-Isopropyltoluene	13.735	119	460256	51.791	ug/l	99
87) 1,3-Dichlorobenzene	13.735	146	238878	49.070	ug/l	98
88) 1,4-Dichlorobenzene	13.817	146	232482	47.261	ug/l	98
89) n-Butylbenzene	14.059	91	387028	55.382	ug/l	97
90) Hexachloroethane	14.335	117	88740	49.172	ug/l	91
91) 1,2-Dichlorobenzene	14.112	146	233991	48.690	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.723	75	30269	45.618	ug/l	99
93) 1,2,4-Trichlorobenzene	15.394	180	83816	48.533	ug/l	98
94) Hexachlorobutadiene	15.506	225	53927	39.695	ug/l	100
95) Naphthalene	15.647	128	216377	42.185	ug/l	99
96) 1,2,3-Trichlorobenzene	15.847	180	88237	43.314	ug/l	98

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

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