

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091223\
 Data File : VN079245.D
 Acq On : 12 Sep 2023 19:12
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Sep 13 01:36:49 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 09/13/2023
 Supervised By : Mahesh Dadoda 09/13/2023

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

Internal Standards						
1) Pentafluorobenzene	8.229	168	103033	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	161789	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	143896	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	68522	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	73300	52.702	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 105.400%			
35) Dibromofluoromethane	8.171	113	56099	52.127	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 104.260%			
50) Toluene-d8	10.571	98	202158	51.158	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 102.320%			
62) 4-Bromofluorobenzene	12.853	95	73903	58.631	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 117.260%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.130	85	49024	48.088	ug/l	97
3) Chloromethane	2.365	50	74271	55.497	ug/l	99
4) Vinyl Chloride	2.512	62	93517	64.132	ug/l	100
5) Bromomethane	2.936	94	49794	59.407	ug/l	100
6) Chloroethane	3.112	64	59479	64.047	ug/l	98
7) Trichlorofluoromethane	3.489	101	99714	46.698	ug/l	97
8) Diethyl Ether	3.965	74	32838	44.308	ug/l	91
9) 1,1,2-Trichlorotrifluo...	4.371	101	46563	41.004	ug/l	89
10) Methyl Iodide	4.594	142	54914	59.117	ug/l	95
11) Tert butyl alcohol	5.536	59	54243	211.243	ug/l	99
12) 1,1-Dichloroethene	4.336	96	46031	41.888	ug/l	86
13) Acrolein	4.183	56	48698	198.815	ug/l	99
14) Allyl chloride	5.024	41	61178	34.899	ug/l	97
15) Acrylonitrile	5.724	53	129415	194.369	ug/l	99
16) Acetone	4.436	43	103670	175.503	ug/l	97
17) Carbon Disulfide	4.712	76	120979	35.225	ug/l	99
18) Methyl Acetate	5.030	43	86413	35.594	ug/l	93
19) Methyl tert-butyl Ether	5.800	73	178216	47.288	ug/l	97
20) Methylene Chloride	5.283	84	55651	38.714	ug/l	96
21) trans-1,2-Dichloroethene	5.794	96	53209	41.740	ug/l	89
22) Diisopropyl ether	6.683	45	142030	36.927	ug/l	94
23) Vinyl Acetate	6.612	43	444328	187.816	ug/l	94
24) 1,1-Dichloroethane	6.577	63	94986	40.061	ug/l	99
25) 2-Butanone	7.488	43	157382	183.630	ug/l	92
26) 2,2-Dichloropropane	7.494	77	85355	43.868	ug/l	97
27) cis-1,2-Dichloroethene	7.488	96	62020	42.549	ug/l	92
28) Bromochloromethane	7.818	49	42173	39.339	ug/l	94
29) Tetrahydrofuran	7.847	42	102646	188.198	ug/l	89
30) Chloroform	7.971	83	109520	44.364	ug/l	94
31) Cyclohexane	8.259	56	72946	35.919	ug/l	98
32) 1,1,1-Trichloroethane	8.171	97	105662	50.211	ug/l	99
36) 1,1-Dichloropropene	8.377	75	75762	45.672	ug/l	98
37) Ethyl Acetate	7.565	43	64009	38.687	ug/l	97
38) Carbon Tetrachloride	8.365	117	99637	58.043	ug/l	97
39) Methylcyclohexane	9.606	83	78225	47.807	ug/l	93
40) Benzene	8.612	78	222910	43.897	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.782	41	34590	41.464	ug/l	93
42) 1,2-Dichloroethane	8.677	62	88559	50.658	ug/l	97
43) Isopropyl Acetate	8.694	43	105021	38.901	ug/l	99
44) Trichloroethene	9.359	130	58558	46.811	ug/l	94
45) 1,2-Dichloropropane	9.624	63	53973	42.827	ug/l	94
46) Dibromomethane	9.712	93	40870	47.772	ug/l #	85
47) Bromodichloromethane	9.894	83	87600	49.991	ug/l	95
48) Methyl methacrylate	9.688	41	51547	42.627	ug/l	88
49) 1,4-Dioxane	9.700	88	24269	975.756	ug/l #	90
51) 4-Methyl-2-Pentanone	10.453	43	316977	202.263	ug/l	99
52) Toluene	10.635	92	144677	46.360	ug/l	98
53) t-1,3-Dichloropropene	10.841	75	91628	49.591	ug/l	98
54) cis-1,3-Dichloropropene	10.318	75	93835	47.482	ug/l	98
55) 1,1,2-Trichloroethane	11.023	97	56050	45.773	ug/l	96
56) Ethyl methacrylate	10.882	69	87525	50.634	ug/l	93
57) 1,3-Dichloropropane	11.170	76	96541	45.607	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.165	63	152619	213.536	ug/l	98
59) 2-Hexanone	11.200	43	236533	208.386	ug/l	98
60) Dibromochloromethane	11.365	129	70905	54.407	ug/l	99
61) 1,2-Dibromoethane	11.476	107	58067	47.517	ug/l	97
64) Tetrachloroethene	11.112	164	54238	51.692	ug/l	95
65) Chlorobenzene	11.894	112	155184	47.605	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.965	131	63796	52.190	ug/l	94
67) Ethyl Benzene	11.970	91	278891	50.018	ug/l	95
68) m/p-Xylenes	12.076	106	210107	101.096	ug/l	91
69) o-Xylene	12.400	106	103988	52.171	ug/l	93
70) Styrene	12.417	104	172457	53.796	ug/l	96
71) Bromoform	12.582	173	51626	57.209	ug/l #	98
73) Isopropylbenzene	12.700	105	273503	43.871	ug/l	99
74) N-amyl acetate	12.500	43	85976	36.350	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.941	83	77971	33.586	ug/l	98
76) 1,2,3-Trichloropropane	13.000	75	69787m	37.789	ug/l	
77) Bromobenzene	12.982	156	66411	42.070	ug/l	95
78) n-propylbenzene	13.041	91	304991	43.550	ug/l	100
79) 2-Chlorotoluene	13.129	91	192541	42.035	ug/l	99
80) 1,3,5-Trimethylbenzene	13.176	105	236737	45.573	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.741	75	25059	37.305	ug/l	86
82) 4-Chlorotoluene	13.223	91	188123	43.709	ug/l	99
83) tert-Butylbenzene	13.441	119	205055	47.716	ug/l	100
84) 1,2,4-Trimethylbenzene	13.488	105	231661	46.827	ug/l	100
85) sec-Butylbenzene	13.623	105	265570	44.889	ug/l	98
86) p-Isopropyltoluene	13.735	119	231481	48.974	ug/l	98
87) 1,3-Dichlorobenzene	13.735	146	117847	45.515	ug/l	98
88) 1,4-Dichlorobenzene	13.817	146	115209	44.035	ug/l	99
89) n-Butylbenzene	14.064	91	171573	46.161	ug/l	99
90) Hexachloroethane	14.341	117	43597	45.421	ug/l	67
91) 1,2-Dichlorobenzene	14.111	146	115547	45.206	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.723	75	17619	49.925	ug/l	94
93) 1,2,4-Trichlorobenzene	15.400	180	52181	56.810	ug/l	98
94) Hexachlorobutadiene	15.506	225	34466	47.700	ug/l	99
95) Naphthalene	15.647	128	134432	49.278	ug/l	99
96) 1,2,3-Trichlorobenzene	15.847	180	55815	51.515	ug/l	97

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

