

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102323\
 Data File : VN079653.D
 Acq On : 23 Oct 2023 17:10
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Oct 23 23:53:32 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N100523W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 06 03:34:49 2023
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By : John Carlone 10/24/2023
 Supervised By : Semsettin Yesilyurt 10/24/2023

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

Internal Standards						
1) Pentafluorobenzene	8.229	168	247186	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	426447	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	398106	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	182844	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	199864	49.867	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 99.740%			
35) Dibromofluoromethane	8.171	113	159512	52.050	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 104.100%			
50) Toluene-d8	10.570	98	582456	52.527	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 105.060%			
62) 4-Bromofluorobenzene	12.853	95	196872	55.323	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 110.640%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.130	85	161543	45.607	ug/l	100
3) Chloromethane	2.365	50	183516	41.523	ug/l	99
4) Vinyl Chloride	2.518	62	204272	44.435	ug/l	97
5) Bromomethane	2.941	94	105496	38.334	ug/l	99
6) Chloroethane	3.118	64	133608	38.550	ug/l	97
7) Trichlorofluoromethane	3.500	101	300500	55.363	ug/l	98
8) Diethyl Ether	3.965	74	92106	47.599	ug/l	60
9) 1,1,2-Trichlorotrifluo...	4.377	101	149708	47.198	ug/l	99
10) Methyl Iodide	4.588	142	162581	59.069	ug/l	99
11) Tert butyl alcohol	5.524	59	115613	191.659	ug/l	99
12) 1,1-Dichloroethene	4.341	96	137377	47.039	ug/l	84
13) Acrolein	4.183	56	163130	271.591	ug/l	98
14) Allyl chloride	5.035	41	214307	45.471	ug/l	90
15) Acrylonitrile	5.724	53	413257	236.302	ug/l	99
16) Acetone	4.430	43	396335	249.318	ug/l	90
17) Carbon Disulfide	4.718	76	362149	39.753	ug/l	100
18) Methyl Acetate	5.024	43	342826	44.061	ug/l #	84
19) Methyl tert-butyl Ether	5.800	73	481235	50.713	ug/l	93
20) Methylene Chloride	5.277	84	168186	48.293	ug/l #	85
21) trans-1,2-Dichloroethene	5.788	96	153458	44.988	ug/l #	78
22) Diisopropyl ether	6.677	45	539177	51.018	ug/l #	92
23) Vinyl Acetate	6.606	43	1510326	254.065	ug/l #	87
24) 1,1-Dichloroethane	6.571	63	311524	48.164	ug/l	97
25) 2-Butanone	7.488	43	565215	239.556	ug/l #	79
26) 2,2-Dichloropropane	7.494	77	259184	52.435	ug/l	97
27) cis-1,2-Dichloroethene	7.488	96	182155	49.155	ug/l	86
28) Bromochloromethane	7.818	49	155257	50.450	ug/l #	74
29) Tetrahydrofuran	7.841	42	360622	236.327	ug/l #	75
30) Chloroform	7.971	83	319419	48.878	ug/l	91
31) Cyclohexane	8.259	56	242906	42.727	ug/l	87
32) 1,1,1-Trichloroethane	8.171	97	269609	49.023	ug/l	94
36) 1,1-Dichloropropene	8.376	75	230153	50.038	ug/l	95
37) Ethyl Acetate	7.565	43	228226	49.867	ug/l #	90
38) Carbon Tetrachloride	8.365	117	233865	50.789	ug/l	96
39) Methylcyclohexane	9.606	83	225648	51.063	ug/l #	86
40) Benzene	8.612	78	695901	50.945	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.782	41	114834	47.726	ug/l #	85
42) 1,2-Dichloroethane	8.671	62	253764	51.126	ug/l	96
43) Isopropyl Acetate	8.694	43	415203	51.783	ug/l #	87
44) Trichloroethene	9.359	130	159380	49.573	ug/l	98
45) 1,2-Dichloropropane	9.623	63	188479	52.369	ug/l	98
46) Dibromomethane	9.712	93	121818	52.261	ug/l	96
47) Bromodichloromethane	9.894	83	251945	52.545	ug/l	97
48) Methyl methacrylate	9.682	41	176381	51.334	ug/l #	82
49) 1,4-Dioxane	9.700	88	55462	876.335	ug/l #	80
51) 4-Methyl-2-Pentanone	10.447	43	1164679	257.316	ug/l	89
52) Toluene	10.635	92	426371	53.027	ug/l	97
53) t-1,3-Dichloropropene	10.841	75	261334	54.084	ug/l	98
54) cis-1,3-Dichloropropene	10.317	75	286543	54.171	ug/l #	89
55) 1,1,2-Trichloroethane	11.023	97	169890	52.629	ug/l	97
56) Ethyl methacrylate	10.876	69	248515	56.025	ug/l #	82
57) 1,3-Dichloropropane	11.164	76	298825	53.610	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.165	63	501450	295.188	ug/l	90
59) 2-Hexanone	11.200	43	850577	260.419	ug/l	88
60) Dibromochloromethane	11.364	129	178589	55.047	ug/l	100
61) 1,2-Dibromoethane	11.470	107	164797	51.442	ug/l	97
64) Tetrachloroethene	11.106	164	127489	46.552	ug/l	98
65) Chlorobenzene	11.894	112	435117	49.078	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.964	131	167459	51.586	ug/l	97
67) Ethyl Benzene	11.964	91	811573	52.666	ug/l	95
68) m/p-Xylenes	12.076	106	608931	108.755	ug/l	94
69) o-Xylene	12.400	106	289684	52.608	ug/l	90
70) Styrene	12.417	104	492381	56.610	ug/l	98
71) Bromoform	12.582	173	121781	51.258	ug/l #	98
73) Isopropylbenzene	12.700	105	747910	43.968	ug/l	100
74) N-amyl acetate	12.500	43	308407	44.225	ug/l #	89
75) 1,1,2,2-Tetrachloroethane	12.941	83	252392	45.869	ug/l	100
76) 1,2,3-Trichloropropane	12.994	75	224153m	42.519	ug/l	
77) Bromobenzene	12.982	156	177616	42.584	ug/l	96
78) n-propylbenzene	13.041	91	904535	46.999	ug/l	97
79) 2-Chlorotoluene	13.129	91	538480	43.724	ug/l	99
80) 1,3,5-Trimethylbenzene	13.176	105	631718	47.095	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.741	75	75339	41.465	ug/l #	85
82) 4-Chlorotoluene	13.223	91	524821	44.784	ug/l	99
83) tert-Butylbenzene	13.441	119	497768	45.294	ug/l	98
84) 1,2,4-Trimethylbenzene	13.488	105	623292	48.691	ug/l	99
85) sec-Butylbenzene	13.617	105	718709	46.886	ug/l	99
86) p-Isopropyltoluene	13.735	119	579950	49.317	ug/l	99
87) 1,3-Dichlorobenzene	13.735	146	310375	46.917	ug/l	98
88) 1,4-Dichlorobenzene	13.817	146	298153	43.648	ug/l	98
89) n-Butylbenzene	14.058	91	474446	50.523	ug/l	97
90) Hexachloroethane	14.335	117	116141	48.619	ug/l	90
91) 1,2-Dichlorobenzene	14.111	146	298502	46.259	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.723	75	40069	40.736	ug/l	93
93) 1,2,4-Trichlorobenzene	15.394	180	94805	47.437	ug/l	96
94) Hexachlorobutadiene	15.505	225	67141	43.134	ug/l	99
95) Naphthalene	15.647	128	242259	39.696	ug/l	99
96) 1,2,3-Trichlorobenzene	15.847	180	101340	42.491	ug/l	98

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

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