

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112223\
 Data File : VN080236.D
 Acq On : 22 Nov 2023 10:11
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 11/24/2023
 Supervised By : Mahesh Dadoda 11/24/2023

Quant Time: Nov 23 00:14:20 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N111623W.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 17 01:19:32 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.229	168	215973	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	319310	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	303566	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	154723	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	179804	50.421	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 100.840%			
35) Dibromofluoromethane	8.171	113	128129	54.382	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 108.760%			
50) Toluene-d8	10.570	98	459917	54.151	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 108.300%			
62) 4-Bromofluorobenzene	12.853	95	176244	54.938	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 109.880%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	150464	46.771	ug/l	94
3) Chloromethane	2.365	50	98714	40.813	ug/l	100
4) Vinyl Chloride	2.512	62	111122	43.413	ug/l	98
5) Bromomethane	2.947	94	74383	42.807	ug/l	95
6) Chloroethane	3.112	64	74285	46.785	ug/l	100
7) Trichlorofluoromethane	3.494	101	259988	48.691	ug/l	99
8) Diethyl Ether	3.959	74	67797	43.659	ug/l	91
9) 1,1,2-Trichlorotrifluo...	4.377	101	117777	48.259	ug/l	94
10) Methyl Iodide	4.589	142	133056	50.447	ug/l #	83
11) Tert butyl alcohol	5.524	59	95717	244.079	ug/l	97
12) 1,1-Dichloroethene	4.341	96	105504	46.219	ug/l #	81
13) Acrolein	4.177	56	83571	240.802	ug/l	99
14) Allyl chloride	5.030	41	122265	42.572	ug/l	89
15) Acrylonitrile	5.718	53	243481	231.280	ug/l	99
16) Acetone	4.424	43	285045	237.983	ug/l	94
17) Carbon Disulfide	4.712	76	276783	40.609	ug/l	98
18) Methyl Acetate	5.024	43	167128	43.428	ug/l	97
19) Methyl tert-butyl Ether	5.794	73	390263	48.412	ug/l	97
20) Methylene Chloride	5.277	84	124594	49.673	ug/l	96
21) trans-1,2-Dichloroethene	5.783	96	119960	47.836	ug/l	88
22) Diisopropyl ether	6.671	45	306794	48.283	ug/l	97
23) Vinyl Acetate	6.606	43	867904	227.202	ug/l #	92
24) 1,1-Dichloroethane	6.571	63	214547	46.360	ug/l	100
25) 2-Butanone	7.482	43	322672	226.743	ug/l	95
26) 2,2-Dichloropropane	7.488	77	226631	49.360	ug/l	97
27) cis-1,2-Dichloroethene	7.488	96	135679	47.722	ug/l	88
28) Bromochloromethane	7.812	49	85250	46.857	ug/l	99
29) Tetrahydrofuran	7.841	42	180079	235.702	ug/l	94
30) Chloroform	7.971	83	261489	50.552	ug/l	94
31) Cyclohexane	8.259	56	164468	42.409	ug/l	98
32) 1,1,1-Trichloroethane	8.171	97	257486	51.044	ug/l	98
36) 1,1-Dichloropropene	8.371	75	179350	52.577	ug/l	96
37) Ethyl Acetate	7.559	43	117403	49.619	ug/l	96
38) Carbon Tetrachloride	8.365	117	237626	54.895	ug/l	98
39) Methylcyclohexane	9.606	83	169298	51.473	ug/l	90
40) Benzene	8.606	78	497893	51.356	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.777	41	66743	51.365	ug/l	95
42) 1,2-Dichloroethane	8.671	62	216858	54.674	ug/l	96
43) Isopropyl Acetate	8.694	43	205776	44.691	ug/l	99
44) Trichloroethene	9.353	130	132334	52.037	ug/l	98
45) 1,2-Dichloropropane	9.623	63	115539	51.282	ug/l	94
46) Dibromomethane	9.712	93	91970	53.927	ug/l	89
47) Bromodichloromethane	9.894	83	204394	54.483	ug/l	96
48) Methyl methacrylate	9.682	41	121547	51.225	ug/l	92
49) 1,4-Dioxane	9.694	88	42651	1080.471	ug/l #	90
51) 4-Methyl-2-Pentanone	10.447	43	613568	257.392	ug/l	97
52) Toluene	10.629	92	325957	53.724	ug/l	99
53) t-1,3-Dichloropropene	10.841	75	209786	54.427	ug/l	96
54) cis-1,3-Dichloropropene	10.318	75	213524	54.223	ug/l	92
55) 1,1,2-Trichloroethane	11.018	97	125256	54.090	ug/l	99
56) Ethyl methacrylate	10.876	69	129865	54.895	ug/l	92
57) 1,3-Dichloropropane	11.165	76	215510	53.303	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.165	63	374703	281.149	ug/l	99
59) 2-Hexanone	11.200	43	502936	262.560	ug/l	95
60) Dibromochloromethane	11.365	129	156483	56.443	ug/l	100
61) 1,2-Dibromoethane	11.470	107	126136	53.393	ug/l	98
64) Tetrachloroethene	11.106	164	132497	57.192	ug/l	98
65) Chlorobenzene	11.894	112	344396	50.068	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.964	131	143040	53.586	ug/l	94
67) Ethyl Benzene	11.964	91	636633	52.012	ug/l	95
68) m/p-Xylenes	12.076	106	471370	105.622	ug/l	85
69) o-Xylene	12.400	106	224959	53.487	ug/l	86
70) Styrene	12.412	104	342853	54.769	ug/l	93
71) Bromoform	12.582	173	107481	54.296	ug/l #	99
73) Isopropylbenzene	12.700	105	609281	50.676	ug/l	98
74) N-amyl acetate	12.494	43	164303	43.822	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.941	83	158573	44.067	ug/l	99
76) 1,2,3-Trichloropropane	12.994	75	165808m	43.738	ug/l	
77) Bromobenzene	12.982	156	150052	49.501	ug/l	96
78) n-propylbenzene	13.041	91	693891	51.611	ug/l	99
79) 2-Chlorotoluene	13.129	91	440001	50.389	ug/l	98
80) 1,3,5-Trimethylbenzene	13.176	105	538670	51.468	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.741	75	52102	46.434	ug/l #	85
82) 4-Chlorotoluene	13.223	91	452589	50.593	ug/l	95
83) tert-Butylbenzene	13.441	119	418308	49.840	ug/l	94
84) 1,2,4-Trimethylbenzene	13.482	105	540786	52.475	ug/l	96
85) sec-Butylbenzene	13.617	105	545975	51.422	ug/l	99
86) p-Isopropyltoluene	13.735	119	502177	52.947	ug/l	97
87) 1,3-Dichlorobenzene	13.735	146	266964	48.882	ug/l	99
88) 1,4-Dichlorobenzene	13.817	146	267076	48.662	ug/l	98
89) n-Butylbenzene	14.058	91	402184	50.662	ug/l	100
90) Hexachloroethane	14.335	117	89626	48.472	ug/l	71
91) 1,2-Dichlorobenzene	14.111	146	256339	49.049	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.723	75	36633	43.828	ug/l	94
93) 1,2,4-Trichlorobenzene	15.394	180	140527	46.232	ug/l	98
94) Hexachlorobutadiene	15.505	225	78043	44.616	ug/l	99
95) Naphthalene	15.647	128	376456	42.710	ug/l	99
96) 1,2,3-Trichlorobenzene	15.841	180	133555	46.877	ug/l	99

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

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