

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041625\
 Data File : VN086311.D
 Acq On : 16 Apr 2025 20:52
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Apr 17 03:09:58 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 16 04:19:23 2025
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By : John Carlone 04/17/2025
 Supervised By : Mahesh Dadoda 04/17/2025

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

Internal Standards						
1) Pentafluorobenzene	8.218	168	205270	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	388169	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.859	117	350303	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	163466	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	156751	52.661	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 105.320%			
35) Dibromofluoromethane	8.165	113	88026	48.861	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 97.720%			
50) Toluene-d8	10.565	98	494105	51.318	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 102.640%			
62) 4-Bromofluorobenzene	12.847	95	181860	51.785	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 103.560%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.124	85	121185	49.802	ug/l	98
3) Chloromethane	2.359	50	165461	46.787	ug/l	99
4) Vinyl Chloride	2.512	62	160904	47.679	ug/l	99
5) Bromomethane	2.948	94	77718	51.198	ug/l	97
6) Chloroethane	3.112	64	103882	45.993	ug/l	99
7) Trichlorofluoromethane	3.495	101	182830	48.909	ug/l	96
8) Diethyl Ether	3.959	74	79382	48.643	ug/l	96
9) 1,1,2-Trichlorotrifluo...	4.371	101	108138	47.819	ug/l	99
10) Methyl Iodide	4.589	142	137119	55.152	ug/l	99
11) Tert butyl alcohol	5.518	59	135738	249.929	ug/l	100
12) 1,1-Dichloroethene	4.342	96	115219	47.690	ug/l	96
13) Acrolein	4.177	56	75432	300.929	ug/l	99
14) Allyl chloride	5.018	41	188529	43.896	ug/l	98
15) Acrylonitrile	5.718	53	331327	246.784	ug/l	100
16) Acetone	4.424	43	271572	264.208	ug/l	98
17) Carbon Disulfide	4.712	76	302189	41.773	ug/l	99
18) Methyl Acetate	5.018	43	170820	47.808	ug/l	100
19) Methyl tert-butyl Ether	5.789	73	429948	48.412	ug/l	100
20) Methylene Chloride	5.271	84	132245	48.058	ug/l	99
21) trans-1,2-Dichloroethene	5.783	96	120209	47.591	ug/l	96
22) Diisopropyl ether	6.665	45	439673	47.059	ug/l	99
23) Vinyl Acetate	6.600	43	1515181	231.990	ug/l	99
24) 1,1-Dichloroethane	6.565	63	237872	48.253	ug/l	100
25) 2-Butanone	7.477	43	451355	243.610	ug/l	99
26) 2,2-Dichloropropane	7.488	77	186189	42.183	ug/l	99
27) cis-1,2-Dichloroethene	7.483	96	151682	48.383	ug/l	96
28) Bromochloromethane	7.812	49	103620	49.574	ug/l	98
29) Tetrahydrofuran	7.835	42	295983	238.895	ug/l	99
30) Chloroform	7.965	83	237539	49.052	ug/l	100
31) Cyclohexane	8.253	56	215483	44.670	ug/l	99
32) 1,1,1-Trichloroethane	8.165	97	205332	49.566	ug/l	99
36) 1,1-Dichloropropene	8.371	75	168120	46.722	ug/l	99
37) Ethyl Acetate	7.553	43	177831	46.942	ug/l	100
38) Carbon Tetrachloride	8.359	117	166943	48.718	ug/l	98
39) Methylcyclohexane	9.594	83	191505	44.776	ug/l	98
40) Benzene	8.600	78	545284	47.298	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.777	41	101233	46.108	ug/l	98
42) 1,2-Dichloroethane	8.671	62	174998	47.600	ug/l	100
43) Isopropyl Acetate	8.682	43	330482	48.681	ug/l	99
44) Trichloroethene	9.347	130	136608	49.993	ug/l	95
45) 1,2-Dichloropropane	9.618	63	134402	47.626	ug/l	99
46) Dibromomethane	9.706	93	88857	49.418	ug/l	97
47) Bromodichloromethane	9.882	83	189409	48.773	ug/l	99
48) Methyl methacrylate	9.677	41	153731	46.211	ug/l	97
49) 1,4-Dioxane	9.688	88	57797	1021.380	ug/l	97
51) 4-Methyl-2-Pentanone	10.441	43	940616	242.476	ug/l	98
52) Toluene	10.629	92	345268	47.996	ug/l	99
53) t-1,3-Dichloropropene	10.829	75	209194	48.257	ug/l	99
54) cis-1,3-Dichloropropene	10.306	75	222792	46.791	ug/l	98
55) 1,1,2-Trichloroethane	11.012	97	128000	49.455	ug/l	99
56) Ethyl methacrylate	10.871	69	230984	48.552	ug/l	99
57) 1,3-Dichloropropane	11.159	76	223996	48.779	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.159	63	524042	232.075	ug/l	99
59) 2-Hexanone	11.194	43	705369	245.147	ug/l	99
60) Dibromochloromethane	11.359	129	141277	49.709	ug/l	100
61) 1,2-Dibromoethane	11.465	107	130544	49.987	ug/l	99
64) Tetrachloroethene	11.100	164	131211	48.695	ug/l	98
65) Chlorobenzene	11.888	112	365246	46.721	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.959	131	124218	48.165	ug/l	99
67) Ethyl Benzene	11.959	91	667919	47.347	ug/l	99
68) m/p-Xylenes	12.065	106	500901	94.763	ug/l	98
69) o-Xylene	12.394	106	249330	47.697	ug/l	99
70) Styrene	12.406	104	424603	48.749	ug/l	99
71) Bromoform	12.576	173	93814	48.315	ug/l #	98
73) Isopropylbenzene	12.694	105	613648	45.891	ug/l	100
74) N-amyl acetate	12.488	43	280408	42.123	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.935	83	169605	44.113	ug/l	99
76) 1,2,3-Trichloropropane	12.988	75	172655m	44.758	ug/l	
77) Bromobenzene	12.976	156	140126	47.294	ug/l	100
78) n-propylbenzene	13.029	91	717417	45.530	ug/l	100
79) 2-Chlorotoluene	13.123	91	451102	45.751	ug/l	100
80) 1,3,5-Trimethylbenzene	13.170	105	506704	46.298	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.735	75	79787	49.674	ug/l	87
82) 4-Chlorotoluene	13.217	91	447683	45.708	ug/l	100
83) tert-Butylbenzene	13.435	119	432773	45.636	ug/l	99
84) 1,2,4-Trimethylbenzene	13.476	105	513069	46.055	ug/l	100
85) sec-Butylbenzene	13.612	105	599752	45.596	ug/l	100
86) p-Isopropyltoluene	13.723	119	495233	45.677	ug/l	100
87) 1,3-Dichlorobenzene	13.729	146	262657	47.158	ug/l	99
88) 1,4-Dichlorobenzene	13.812	146	262681	46.824	ug/l	99
89) n-Butylbenzene	14.053	91	434967	45.261	ug/l	99
90) Hexachloroethane	14.329	117	84953	46.583	ug/l	99
91) 1,2-Dichlorobenzene	14.100	146	259945	48.138	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.717	75	37604	48.506	ug/l	98
93) 1,2,4-Trichlorobenzene	15.388	180	125428	48.507	ug/l	99
94) Hexachlorobutadiene	15.500	225	44622	45.715	ug/l	98
95) Naphthalene	15.635	128	458964	50.072	ug/l	100
96) 1,2,3-Trichlorobenzene	15.835	180	117717	48.086	ug/l	99

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

