

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN072125\
 Data File : VN087368.D
 Acq On : 21 Jul 2025 10:38
 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 07/22/2025
 Supervised By : Mahesh Dadoda 07/22/2025

Quant Time: Jul 22 03:02:49 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071625W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 17 02:56:13 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.206	168	202357	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.083	114	342303	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	307825	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	162263	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.565	65	168127	48.966	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	97.940%		
35) Dibromofluoromethane	8.147	113	121755	51.565	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	103.120%		
50) Toluene-d8	10.547	98	452056	53.671	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	107.340%		
62) 4-Bromofluorobenzene	12.829	95	164788	52.956	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	105.920%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.142	85	132620	61.705	ug/l	93
3) Chloromethane	2.383	50	137176	50.754	ug/l	97
4) Vinyl Chloride	2.536	62	146742	54.632	ug/l	93
5) Bromomethane	2.971	94	67780	48.730	ug/l	95
6) Chloroethane	3.136	64	89560	51.128	ug/l	95
7) Trichlorofluoromethane	3.512	101	218623	55.045	ug/l	99
8) Diethyl Ether	3.965	74	77841	50.524	ug/l	100
9) 1,1,2-Trichlorotrifluo...	4.359	101	116922	57.347	ug/l	97
10) Methyl Iodide	4.583	142	94184	45.477	ug/l	94
11) Tert butyl alcohol	5.518	59	150479	230.810	ug/l	100
12) 1,1-Dichloroethene	4.336	96	112586	48.730	ug/l	87
13) Acrolein	4.177	56	128290	245.196	ug/l	99
14) Allyl chloride	5.012	41	207234	49.562	ug/l	96
15) Acrylonitrile	5.706	53	424364	239.867	ug/l	99
16) Acetone	4.424	43	358096	222.434	ug/l	100
17) Carbon Disulfide	4.706	76	361501	52.775	ug/l	98
18) Methyl Acetate	5.012	43	192630	47.625	ug/l	99
19) Methyl tert-butyl Ether	5.789	73	438021	51.435	ug/l	98
20) Methylene Chloride	5.265	84	137601	50.568	ug/l	96
21) trans-1,2-Dichloroethene	5.771	96	129240	49.610	ug/l	98
22) Diisopropyl ether	6.659	45	465975	53.129	ug/l	98
23) Vinyl Acetate	6.589	43	2092358	272.771	ug/l	100
24) 1,1-Dichloroethane	6.553	63	252113	49.825	ug/l	98
25) 2-Butanone	7.471	43	592505	238.198	ug/l	97
26) 2,2-Dichloropropane	7.477	77	229345	58.298	ug/l	98
27) cis-1,2-Dichloroethene	7.471	96	154887	51.642	ug/l	98
28) Bromochloromethane	7.794	49	121917	50.344	ug/l	97
29) Tetrahydrofuran	7.824	42	391085	242.020	ug/l	99
30) Chloroform	7.947	83	260496	51.433	ug/l	95
31) Cyclohexane	8.241	56	230222	54.540	ug/l	98
32) 1,1,1-Trichloroethane	8.147	97	229476	52.312	ug/l	99
36) 1,1-Dichloropropene	8.353	75	185889	59.588	ug/l	99
37) Ethyl Acetate	7.547	43	239416	53.140	ug/l	98
38) Carbon Tetrachloride	8.347	117	203929	59.343	ug/l	94
39) Methylcyclohexane	9.582	83	219730	65.059	ug/l	100
40) Benzene	8.588	78	560613	55.603	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.759	41	127502	54.123	ug/l	98
42) 1,2-Dichloroethane	8.653	62	203545	53.235	ug/l	98
43) Isopropyl Acetate	8.671	43	366496	52.402	ug/l	99
44) Trichloroethene	9.335	130	131220	55.080	ug/l	98
45) 1,2-Dichloropropane	9.606	63	144201	56.288	ug/l	95
46) Dibromomethane	9.688	93	99408	51.826	ug/l	97
47) Bromodichloromethane	9.871	83	203072	52.560	ug/l	100
48) Methyl methacrylate	9.665	41	170300	54.088	ug/l	97
49) 1,4-Dioxane	9.682	88	49240	1021.070	ug/l #	100
51) 4-Methyl-2-Pentanone	10.430	43	1149631	259.892	ug/l	100
52) Toluene	10.612	92	344604	56.232	ug/l	98
53) t-1,3-Dichloropropene	10.818	75	217085	55.519	ug/l	98
54) cis-1,3-Dichloropropene	10.294	75	228121	56.480	ug/l	98
55) 1,1,2-Trichloroethane	11.000	97	129044	52.012	ug/l	93
56) Ethyl methacrylate	10.859	69	219636	52.536	ug/l	96
57) 1,3-Dichloropropane	11.141	76	229926	53.600	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.141	63	578951	284.461	ug/l	100
59) 2-Hexanone	11.177	43	805849	274.584	ug/l	100
60) Dibromochloromethane	11.341	129	151360	53.493	ug/l	100
61) 1,2-Dibromoethane	11.447	107	136698	52.401	ug/l	95
64) Tetrachloroethene	11.082	164	112075	56.570	ug/l	92
65) Chlorobenzene	11.871	112	369122	53.411	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.941	131	129020	54.903	ug/l	99
67) Ethyl Benzene	11.941	91	650111	57.142	ug/l	99
68) m/p-Xylenes	12.053	106	509171	119.516	ug/l	100
69) o-Xylene	12.376	106	240930	59.204	ug/l	99
70) Styrene	12.394	104	409701	59.847	ug/l	99
71) Bromoform	12.559	173	102120	53.790	ug/l #	100
73) Isopropylbenzene	12.676	105	625743	61.272	ug/l	100
74) N-amyl acetate	12.494	43	201002	47.372	ug/l	90
75) 1,1,2,2-Tetrachloroethane	12.918	83	196891	51.237	ug/l	100
76) 1,2,3-Trichloropropane	12.971	75	196300m	53.949	ug/l	
77) Bromobenzene	12.959	156	149559	56.468	ug/l	98
78) n-propylbenzene	13.012	91	777876	60.540	ug/l	99
79) 2-Chlorotoluene	13.106	91	447756	56.702	ug/l	99
80) 1,3,5-Trimethylbenzene	13.153	105	524279	60.253	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.718	75	71257	53.584	ug/l	95
82) 4-Chlorotoluene	13.200	91	458601	55.780	ug/l	99
83) tert-Butylbenzene	13.418	119	455752	62.712	ug/l	98
84) 1,2,4-Trimethylbenzene	13.459	105	536180	60.341	ug/l	99
85) sec-Butylbenzene	13.594	105	681159	62.226	ug/l	100
86) p-Isopropyltoluene	13.706	119	575261	65.575	ug/l	99
87) 1,3-Dichlorobenzene	13.712	146	289139	55.624	ug/l	100
88) 1,4-Dichlorobenzene	13.788	146	295512	53.229	ug/l	99
89) n-Butylbenzene	14.035	91	534390	63.795	ug/l	99
90) Hexachloroethane	14.312	117	108610	58.433	ug/l	96
91) 1,2-Dichlorobenzene	14.082	146	272418	55.319	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.700	75	47578	47.158	ug/l	98
93) 1,2,4-Trichlorobenzene	15.370	180	168911	58.393	ug/l	98
94) Hexachlorobutadiene	15.476	225	70795	65.866	ug/l	98
95) Naphthalene	15.617	128	564590	55.095	ug/l	99
96) 1,2,3-Trichlorobenzene	15.817	180	165516	57.042	ug/l	100

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

