

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082225\
 Data File : VN087645.D
 Acq On : 22 Aug 2025 16:41
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 08/25/2025
 Supervised By : Semsettin Yesilyurt 08/25/2025

Quant Time: Aug 25 01:23:17 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082125W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 22 02:55:42 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.206	168	256715	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	519783	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	476890	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	241574	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	223739	42.538	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	85.080%		
35) Dibromofluoromethane	8.153	113	154817	41.253	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	82.500%		
50) Toluene-d8	10.547	98	572322	40.746	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	81.500%#		
62) 4-Bromofluorobenzene	12.829	95	206257	41.291	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	82.580%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.142	85	169317	46.438	ug/l	97
3) Chloromethane	2.383	50	172706	46.092	ug/l	98
4) Vinyl Chloride	2.542	62	190786	43.914	ug/l	97
5) Bromomethane	2.971	94	73198	32.653	ug/l	91
6) Chloroethane	3.136	64	129285	42.340	ug/l	92
7) Trichlorofluoromethane	3.512	101	276158	43.386	ug/l	95
8) Diethyl Ether	3.959	74	119310	43.040	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.371	101	148771	41.306	ug/l	99
10) Methyl Iodide	4.583	142	92340	36.444	ug/l	98
11) Tert butyl alcohol	5.524	59	195211	213.785	ug/l	100
12) 1,1-Dichloroethene	4.342	96	154235	41.672	ug/l	88
13) Acrolein	4.177	56	207205	184.583	ug/l	98
14) Allyl chloride	5.018	41	261482	38.986	ug/l	96
15) Acrylonitrile	5.706	53	528559	205.248	ug/l	99
16) Acetone	4.418	43	516190	180.280	ug/l	96
17) Carbon Disulfide	4.706	76	421008	41.319	ug/l	98
18) Methyl Acetate	5.018	43	249887	41.682	ug/l	99
19) Methyl tert-butyl Ether	5.783	73	595356	42.879	ug/l	99
20) Methylene Chloride	5.265	84	174725	41.990	ug/l	97
21) trans-1,2-Dichloroethene	5.777	96	160576	40.031	ug/l	96
22) Diisopropyl ether	6.659	45	616809	42.615	ug/l	99
23) Vinyl Acetate	6.589	43	2889322	219.416	ug/l	99
24) 1,1-Dichloroethane	6.547	63	322496	40.638	ug/l	97
25) 2-Butanone	7.471	43	768345	203.968	ug/l	97
26) 2,2-Dichloropropane	7.471	77	281365	41.309	ug/l	97
27) cis-1,2-Dichloroethene	7.471	96	196181	40.910	ug/l	96
28) Bromochloromethane	7.794	49	155859	40.625	ug/l	98
29) Tetrahydrofuran	7.830	42	505710	208.603	ug/l	100
30) Chloroform	7.947	83	337029	41.608	ug/l	98
31) Cyclohexane	8.241	56	278052	42.028	ug/l	95
32) 1,1,1-Trichloroethane	8.147	97	282780	41.194	ug/l	98
36) 1,1-Dichloropropene	8.353	75	226161	39.283	ug/l	98
37) Ethyl Acetate	7.547	43	311752	39.627	ug/l	99
38) Carbon Tetrachloride	8.341	117	234200	41.201	ug/l	93
39) Methylcyclohexane	9.582	83	251360	39.656	ug/l	97
40) Benzene	8.588	78	775656	43.925	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.759	41	161861	39.718	ug/l	97
42) 1,2-Dichloroethane	8.653	62	275675	40.625	ug/l	98
43) Isopropyl Acetate	8.671	43	507367	41.307	ug/l	99
44) Trichloroethene	9.335	130	160755	39.874	ug/l	94
45) 1,2-Dichloropropane	9.600	63	184260	39.587	ug/l	99
46) Dibromomethane	9.688	93	135359	40.866	ug/l	98
47) Bromodichloromethane	9.871	83	275952	40.651	ug/l	100
48) Methyl methacrylate	9.665	41	235170	40.478	ug/l	99
49) 1,4-Dioxane	9.682	88	62436	829.126	ug/l #	97
51) 4-Methyl-2-Pentanone	10.424	43	1550150	209.177	ug/l	100
52) Toluene	10.612	92	440980	40.282	ug/l	100
53) t-1,3-Dichloropropene	10.818	75	294162	41.864	ug/l	99
54) cis-1,3-Dichloropropene	10.294	75	307171	42.101	ug/l	99
55) 1,1,2-Trichloroethane	10.994	97	172517	40.737	ug/l	98
56) Ethyl methacrylate	10.859	69	300032	44.332	ug/l	98
57) 1,3-Dichloropropane	11.141	76	313462	41.824	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.141	63	795905	217.274	ug/l	99
59) 2-Hexanone	11.176	43	1072493	228.990	ug/l	100
60) Dibromochloromethane	11.335	129	196090	39.962	ug/l	100
61) 1,2-Dibromoethane	11.447	107	186978	41.872	ug/l	98
64) Tetrachloroethene	11.082	164	126792	38.322	ug/l	92
65) Chlorobenzene	11.871	112	485254	40.900	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.941	131	166515	42.276	ug/l	99
67) Ethyl Benzene	11.941	91	892685	43.456	ug/l	99
68) m/p-Xylenes	12.047	106	645648	85.701	ug/l	99
69) o-Xylene	12.376	106	316767	42.905	ug/l	100
70) Styrene	12.388	104	540408	43.691	ug/l	99
71) Bromoform	12.559	173	127606	42.243	ug/l #	95
73) Isopropylbenzene	12.676	105	802341	41.102	ug/l	99
74) N-amyl acetate	12.500	43	255486	34.536	ug/l #	93
75) 1,1,2,2-Tetrachloroethane	12.918	83	273213	40.652	ug/l	99
76) 1,2,3-Trichloropropane	12.970	75	256736m	45.319	ug/l	
77) Bromobenzene	12.959	156	188790	41.018	ug/l	99
78) n-propylbenzene	13.012	91	996393	41.439	ug/l	100
79) 2-Chlorotoluene	13.106	91	597622	41.301	ug/l	100
80) 1,3,5-Trimethylbenzene	13.153	105	682876	41.237	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.718	75	80571	37.652	ug/l	90
82) 4-Chlorotoluene	13.200	91	618983	40.687	ug/l	100
83) tert-Butylbenzene	13.417	119	567327	41.112	ug/l	99
84) 1,2,4-Trimethylbenzene	13.459	105	702335	42.367	ug/l	98
85) sec-Butylbenzene	13.594	105	838744	40.957	ug/l	99
86) p-Isopropyltoluene	13.706	119	693182	40.992	ug/l	99
87) 1,3-Dichlorobenzene	13.712	146	361049	39.834	ug/l	99
88) 1,4-Dichlorobenzene	13.788	146	366474	38.852	ug/l	99
89) n-Butylbenzene	14.035	91	683714	40.711	ug/l	100
90) Hexachloroethane	14.312	117	127737	39.650	ug/l	99
91) 1,2-Dichlorobenzene	14.082	146	348382	40.514	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.694	75	62035	38.856	ug/l	98
93) 1,2,4-Trichlorobenzene	15.364	180	202131	39.145	ug/l	99
94) Hexachlorobutadiene	15.470	225	68968	37.465	ug/l	98
95) Naphthalene	15.611	128	910590	49.787	ug/l	100
96) 1,2,3-Trichlorobenzene	15.811	180	196947	39.015	ug/l	98

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

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