

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082225\
 Data File : VN087628.D
 Acq On : 22 Aug 2025 09:16
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Quant Time: Aug 25 01:14:35 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

Manual Integrations APPROVED

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

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

Internal Standards						
1) Pentafluorobenzene	8.206	168	263551	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	512519	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	469406	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	231212	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	243809	45.151	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	90.300%		
35) Dibromofluoromethane	8.153	113	167386	45.235	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	90.460%		
50) Toluene-d8	10.547	98	626019	45.200	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	90.400%		
62) 4-Bromofluorobenzene	12.829	95	226882	46.063	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	92.120%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.142	85	178962	47.810	ug/l	99
3) Chloromethane	2.383	50	179371	46.629	ug/l	99
4) Vinyl Chloride	2.536	62	202072	45.306	ug/l	100
5) Bromomethane	2.971	94	111672	48.524	ug/l	99
6) Chloroethane	3.136	64	130298	41.565	ug/l	98
7) Trichlorofluoromethane	3.512	101	288867	44.206	ug/l	92
8) Diethyl Ether	3.965	74	118114	41.503	ug/l	96
9) 1,1,2-Trichlorotrifluo...	4.365	101	158251	42.799	ug/l	99
10) Methyl Iodide	4.583	142	108742	40.802	ug/l	97
11) Tert butyl alcohol	5.518	59	202310	215.812	ug/l	97
12) 1,1-Dichloroethene	4.336	96	158428	41.695	ug/l	100
13) Acrolein	4.171	56	253092	219.612	ug/l	99
14) Allyl chloride	5.012	41	283826	41.220	ug/l	97
15) Acrylonitrile	5.706	53	544042	205.781	ug/l	98
16) Acetone	4.418	43	581744	197.905	ug/l	100
17) Carbon Disulfide	4.706	76	456685	43.658	ug/l	98
18) Methyl Acetate	5.012	43	253564	41.198	ug/l	99
19) Methyl tert-butyl Ether	5.783	73	612835	42.993	ug/l	98
20) Methylene Chloride	5.265	84	186510	43.710	ug/l	97
21) trans-1,2-Dichloroethene	5.765	96	170025	41.287	ug/l	90
22) Diisopropyl ether	6.659	45	643613	43.314	ug/l	98
23) Vinyl Acetate	6.588	43	2981406	220.536	ug/l	99
24) 1,1-Dichloroethane	6.547	63	337421	41.415	ug/l	96
25) 2-Butanone	7.465	43	787767	203.700	ug/l	100
26) 2,2-Dichloropropane	7.471	77	304053	43.482	ug/l	99
27) cis-1,2-Dichloroethene	7.471	96	203556	41.347	ug/l	93
28) Bromochloromethane	7.794	49	175596	44.582	ug/l	97
29) Tetrahydrofuran	7.824	42	514872	206.874	ug/l	99
30) Chloroform	7.947	83	352352	42.371	ug/l	100
31) Cyclohexane	8.235	56	288814	42.523	ug/l	98
32) 1,1,1-Trichloroethane	8.153	97	296972	42.139	ug/l	99
36) 1,1-Dichloropropene	8.353	75	237727	41.877	ug/l	99
37) Ethyl Acetate	7.547	43	315803	40.711	ug/l	99
38) Carbon Tetrachloride	8.341	117	250390	44.673	ug/l	96
39) Methylcyclohexane	9.582	83	266660	42.666	ug/l	99
40) Benzene	8.588	78	748721	43.001	ug/l	97

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 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082125W.M
 Quant Title : SW846 8260
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.759	41	168685	41.979	ug/l	99
42) 1,2-Dichloroethane	8.653	62	282857	42.274	ug/l	98
43) Isopropyl Acetate	8.671	43	520916	43.011	ug/l	99
44) Trichloroethene	9.335	130	167027	42.017	ug/l	96
45) 1,2-Dichloropropane	9.600	63	191348	41.692	ug/l	97
46) Dibromomethane	9.688	93	139677	42.767	ug/l	98
47) Bromodichloromethane	9.871	83	286639	42.823	ug/l	99
48) Methyl methacrylate	9.659	41	247415	43.189	ug/l	99
49) 1,4-Dioxane	9.682	88	67573	910.061	ug/l #	95
51) 4-Methyl-2-Pentanone	10.423	43	1566167	214.333	ug/l	99
52) Toluene	10.606	92	460243	42.638	ug/l	100
53) t-1,3-Dichloropropene	10.818	75	309661	44.694	ug/l	99
54) cis-1,3-Dichloropropene	10.294	75	318132	44.222	ug/l	98
55) 1,1,2-Trichloroethane	10.994	97	178160	42.666	ug/l	97
56) Ethyl methacrylate	10.853	69	304710	45.661	ug/l	98
57) 1,3-Dichloropropane	11.141	76	318776	43.136	ug/l	98
58) 2-Chloroethyl Vinyl ether	10.141	63	770085	213.205	ug/l	100
59) 2-Hexanone	11.176	43	1085409	235.033	ug/l	100
60) Dibromochloromethane	11.335	129	204847	42.338	ug/l	100
61) 1,2-Dibromoethane	11.447	107	189916	43.133	ug/l	100
64) Tetrachloroethene	11.082	164	131985	40.527	ug/l	97
65) Chlorobenzene	11.870	112	494765	42.367	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.941	131	168958	43.580	ug/l	98
67) Ethyl Benzene	11.941	91	894026	44.216	ug/l	98
68) m/p-Xylenes	12.053	106	671405	90.541	ug/l	99
69) o-Xylene	12.376	106	318048	43.765	ug/l	98
70) Styrene	12.388	104	559152	45.927	ug/l	98
71) Bromoform	12.559	173	135189	45.467	ug/l #	98
73) Isopropylbenzene	12.676	105	831157	44.486	ug/l	100
74) N-amyl acetate	12.500	43	350496m	49.502	ug/l	
75) 1,1,2,2-Tetrachloroethane	12.917	83	274026	42.601	ug/l	98
76) 1,2,3-Trichloropropane	12.970	75	262553m	48.423	ug/l	
77) Bromobenzene	12.959	156	196205	44.539	ug/l	99
78) n-propylbenzene	13.012	91	1050162	45.633	ug/l	99
79) 2-Chlorotoluene	13.100	91	619641	44.742	ug/l	98
80) 1,3,5-Trimethylbenzene	13.153	105	708107	44.677	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.717	75	94913	46.343	ug/l	88
82) 4-Chlorotoluene	13.200	91	641958	44.088	ug/l	99
83) tert-Butylbenzene	13.417	119	589351	44.622	ug/l	98
84) 1,2,4-Trimethylbenzene	13.459	105	731327	46.093	ug/l	99
85) sec-Butylbenzene	13.594	105	889721	45.394	ug/l	99
86) p-Isopropyltoluene	13.706	119	726821	44.908	ug/l	98
87) 1,3-Dichlorobenzene	13.711	146	372290	42.915	ug/l	99
88) 1,4-Dichlorobenzene	13.788	146	377265	41.789	ug/l	99
89) n-Butylbenzene	14.035	91	718281	44.686	ug/l	99
90) Hexachloroethane	14.311	117	137228	44.505	ug/l	97
91) 1,2-Dichlorobenzene	14.082	146	352610	42.844	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.700	75	62345	40.800	ug/l	99
93) 1,2,4-Trichlorobenzene	15.370	180	209019	42.293	ug/l	99
94) Hexachlorobutadiene	15.476	225	72416	41.101	ug/l	98
95) Naphthalene	15.611	128	746235	42.629	ug/l	99
96) 1,2,3-Trichlorobenzene	15.811	180	202223	41.855	ug/l	98

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

