

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061925\
 Data File : VN087120.D
 Acq On : 19 Jun 2025 18:13
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Jun 20 01:31:21 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 07 02:12:50 2025
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By : John Carlone 06/20/2025
 Supervised By : Mahesh Dadoda 06/21/2025

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

Internal Standards						
1) Pentafluorobenzene	8.230	168	171846	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	306033	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	268361	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	136487	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	106748	46.395	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	92.800%		
35) Dibromofluoromethane	8.171	113	94646	52.186	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	104.380%		
50) Toluene-d8	10.565	98	354172	49.330	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	98.660%		
62) 4-Bromofluorobenzene	12.847	95	134875	50.563	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	101.120%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.153	85	82875	48.368	ug/l	100
3) Chloromethane	2.395	50	90383	40.850	ug/l	97
4) Vinyl Chloride	2.553	62	116257	50.937	ug/l	98
5) Bromomethane	2.989	94	64801	50.735	ug/l	100
6) Chloroethane	3.153	64	74345	50.428	ug/l	92
7) Trichlorofluoromethane	3.524	101	151601	50.839	ug/l	99
8) Diethyl Ether	3.983	74	65083	50.093	ug/l	92
9) 1,1,2-Trichlorotrifluo...	4.394	101	93038	49.660	ug/l	99
10) Methyl Iodide	4.612	142	82959	34.158	ug/l	98
11) Tert butyl alcohol	5.536	59	137131	219.653	ug/l	99
12) 1,1-Dichloroethene	4.371	96	97574	51.014	ug/l	90
13) Acrolein	4.200	56	42652	215.834	ug/l	98
14) Allyl chloride	5.047	41	138488	43.658	ug/l	96
15) Acrylonitrile	5.736	53	336803	230.809	ug/l	100
16) Acetone	4.447	43	251966	206.505	ug/l	95
17) Carbon Disulfide	4.742	76	272197	51.448	ug/l	98
18) Methyl Acetate	5.042	43	150668	42.374	ug/l	96
19) Methyl tert-butyl Ether	5.812	73	333883	48.211	ug/l	98
20) Methylene Chloride	5.300	84	109053	47.740	ug/l	92
21) trans-1,2-Dichloroethene	5.806	96	103590	48.679	ug/l	94
22) Diisopropyl ether	6.683	45	302028	45.170	ug/l	97
23) Vinyl Acetate	6.618	43	1308153	231.557	ug/l	97
24) 1,1-Dichloroethane	6.583	63	186312	48.418	ug/l	99
25) 2-Butanone	7.488	43	420559	212.049	ug/l	95
26) 2,2-Dichloropropane	7.500	77	150789	50.377	ug/l	99
27) cis-1,2-Dichloroethene	7.494	96	125637	49.366	ug/l	98
28) Bromochloromethane	7.824	49	80614	42.609	ug/l	91
29) Tetrahydrofuran	7.847	42	279595	216.407	ug/l	94
30) Chloroform	7.971	83	183860	47.846	ug/l	94
31) Cyclohexane	8.265	56	166407	44.593	ug/l	93
32) 1,1,1-Trichloroethane	8.177	97	157349	48.143	ug/l	98
36) 1,1-Dichloropropene	8.382	75	137000	50.694	ug/l	99
37) Ethyl Acetate	7.571	43	157538	45.793	ug/l	98
38) Carbon Tetrachloride	8.371	117	133489	50.312	ug/l	96
39) Methylcyclohexane	9.606	83	163439	44.143	ug/l	96
40) Benzene	8.612	78	439499	49.733	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.788	41	82321	42.608	ug/l	90
42) 1,2-Dichloroethane	8.671	62	129038	48.141	ug/l	98
43) Isopropyl Acetate	8.694	43	243496	44.098	ug/l	96
44) Trichloroethene	9.353	130	107576	51.338	ug/l	98
45) 1,2-Dichloropropane	9.624	63	107860	50.168	ug/l	99
46) Dibromomethane	9.712	93	73457	51.439	ug/l	99
47) Bromodichloromethane	9.888	83	145562	49.542	ug/l	98
48) Methyl methacrylate	9.682	41	111561	43.897	ug/l	95
49) 1,4-Dioxane	9.706	88	47393	1025.069	ug/l #	98
51) 4-Methyl-2-Pentanone	10.447	43	766458	230.578	ug/l	97
52) Toluene	10.629	92	272681	50.490	ug/l	98
53) t-1,3-Dichloropropene	10.835	75	165272	50.304	ug/l	98
54) cis-1,3-Dichloropropene	10.312	75	175866	50.028	ug/l	97
55) 1,1,2-Trichloroethane	11.018	97	102325	49.240	ug/l	97
56) Ethyl methacrylate	10.882	69	168508	50.911	ug/l	94
57) 1,3-Dichloropropane	11.165	76	178447	49.502	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.159	63	444423	225.119	ug/l	99
59) 2-Hexanone	11.200	43	498716	232.920	ug/l	93
60) Dibromochloromethane	11.359	129	114404	52.840	ug/l	99
61) 1,2-Dibromoethane	11.470	107	107761	50.592	ug/l	99
64) Tetrachloroethene	11.106	164	84024	49.473	ug/l	97
65) Chlorobenzene	11.888	112	298669	50.461	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.959	131	98738	51.897	ug/l	98
67) Ethyl Benzene	11.965	91	498126	48.860	ug/l	98
68) m/p-Xylenes	12.070	106	402639	103.171	ug/l	96
69) o-Xylene	12.394	106	194516	52.041	ug/l	95
70) Styrene	12.412	104	327523	51.208	ug/l	99
71) Bromoform	12.576	173	75851	53.806	ug/l #	99
73) Isopropylbenzene	12.694	105	476017	47.874	ug/l	100
74) N-amyl acetate	12.518	43	161016m	46.341	ug/l	
75) 1,1,2,2-Tetrachloroethane	12.935	83	160726	47.714	ug/l	98
76) 1,2,3-Trichloropropane	12.994	75	155878m	48.046	ug/l	
77) Bromobenzene	12.976	156	116672	51.165	ug/l	94
78) n-propylbenzene	13.035	91	563557	46.638	ug/l	99
79) 2-Chlorotoluene	13.123	91	336805	46.477	ug/l	97
80) 1,3,5-Trimethylbenzene	13.170	105	392465	47.807	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.735	75	68115	48.329	ug/l	88
82) 4-Chlorotoluene	13.217	91	347235	47.356	ug/l	98
83) tert-Butylbenzene	13.435	119	338090	44.991	ug/l	99
84) 1,2,4-Trimethylbenzene	13.482	105	398780	48.443	ug/l	100
85) sec-Butylbenzene	13.612	105	486035	44.538	ug/l	100
86) p-Isopropyltoluene	13.729	119	408834	45.321	ug/l	99
87) 1,3-Dichlorobenzene	13.729	146	223232	49.757	ug/l	99
88) 1,4-Dichlorobenzene	13.812	146	227638	49.767	ug/l	100
89) n-Butylbenzene	14.053	91	358266	41.002	ug/l	99
90) Hexachloroethane	14.329	117	71475	46.744	ug/l	99
91) 1,2-Dichlorobenzene	14.106	146	209913	48.700	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	36024	44.717	ug/l	94
93) 1,2,4-Trichlorobenzene	15.388	180	122224	44.406	ug/l	100
94) Hexachlorobutadiene	15.494	225	39636	38.652	ug/l	98
95) Naphthalene	15.635	128	475760	46.438	ug/l	99
96) 1,2,3-Trichlorobenzene	15.835	180	116780	42.704	ug/l	99

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

