

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081225\
 Data File : VN087502.D
 Acq On : 12 Aug 2025 10:24
 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 08/13/2025
 Supervised By : Mahesh Dadoda 08/14/2025

Quant Time: Aug 13 02:58:53 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	8.212	168	330662	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	639180	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	587049	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	291692	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.565	65	297500	53.024	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 106.040%			
35) Dibromofluoromethane	8.153	113	208126	47.204	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 94.400%			
50) Toluene-d8	10.547	98	763783	48.563	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 97.120%			
62) 4-Bromofluorobenzene	12.829	95	295656	50.882	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 101.760%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.142	85	211220	60.142	ug/l	95
3) Chloromethane	2.383	50	216269	48.969	ug/l	94
4) Vinyl Chloride	2.536	62	242275	55.200	ug/l	95
5) Bromomethane	2.971	94	133458	58.718	ug/l	96
6) Chloroethane	3.136	64	158680	55.437	ug/l	100
7) Trichlorofluoromethane	3.506	101	343225	52.885	ug/l	99
8) Diethyl Ether	3.965	74	149057	59.207	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.371	101	183251	55.004	ug/l	96
10) Methyl Iodide	4.583	142	137060	41.116	ug/l	93
11) Tert butyl alcohol	5.524	59	303122	284.532	ug/l	99
12) 1,1-Dichloroethene	4.336	96	189402	50.168	ug/l	94
13) Acrolein	4.177	56	261207	305.520	ug/l	99
14) Allyl chloride	5.012	41	372445	54.511	ug/l	92
15) Acrylonitrile	5.706	53	762586	263.788	ug/l	100
16) Acetone	4.424	43	777558	295.575	ug/l	98
17) Carbon Disulfide	4.700	76	564468	50.431	ug/l #	93
18) Methyl Acetate	5.018	43	380435	57.561	ug/l	99
19) Methyl tert-butyl Ether	5.788	73	842980	60.578	ug/l	98
20) Methylene Chloride	5.265	84	237685	53.492	ug/l	98
21) trans-1,2-Dichloroethene	5.777	96	218270	51.275	ug/l	98
22) Diisopropyl ether	6.659	45	853871	59.579	ug/l	93
23) Vinyl Acetate	6.594	43	3942297	314.517	ug/l	99
24) 1,1-Dichloroethane	6.553	63	450092	54.436	ug/l	100
25) 2-Butanone	7.471	43	1108664	272.759	ug/l	96
26) 2,2-Dichloropropane	7.477	77	401418	62.444	ug/l	98
27) cis-1,2-Dichloroethene	7.471	96	272679	55.638	ug/l	95
28) Bromochloromethane	7.800	49	206493	52.182	ug/l	95
29) Tetrahydrofuran	7.829	42	724045	274.208	ug/l	100
30) Chloroform	7.953	83	465493	56.246	ug/l	98
31) Cyclohexane	8.241	56	367045	53.214	ug/l	97
32) 1,1,1-Trichloroethane	8.153	97	391648	54.638	ug/l	98
36) 1,1-Dichloropropene	8.353	75	298749	51.286	ug/l	99
37) Ethyl Acetate	7.547	43	430984	51.229	ug/l	99
38) Carbon Tetrachloride	8.341	117	326189	50.833	ug/l	92
39) Methylcyclohexane	9.582	83	334615	53.058	ug/l	96
40) Benzene	8.588	78	973729	51.720	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.765	41	250885	57.033	ug/l	96
42) 1,2-Dichloroethane	8.653	62	379576	53.165	ug/l	98
43) Isopropyl Acetate	8.677	43	712456	54.554	ug/l	98
44) Trichloroethene	9.335	130	216430	48.652	ug/l	91
45) 1,2-Dichloropropane	9.606	63	246730	51.577	ug/l	94
46) Dibromomethane	9.688	93	183110	51.124	ug/l	97
47) Bromodichloromethane	9.871	83	380818	52.785	ug/l	99
48) Methyl methacrylate	9.665	41	342785	58.304	ug/l	94
49) 1,4-Dioxane	9.682	88	94453	1048.916	ug/l #	98
51) 4-Methyl-2-Pentanone	10.429	43	2176445	263.494	ug/l	98
52) Toluene	10.612	92	601880	52.597	ug/l	98
53) t-1,3-Dichloropropene	10.818	75	419058	57.395	ug/l	96
54) cis-1,3-Dichloropropene	10.294	75	421265	55.857	ug/l #	89
55) 1,1,2-Trichloroethane	10.994	97	239225	51.637	ug/l	93
56) Ethyl methacrylate	10.859	69	421434	53.919	ug/l #	94
57) 1,3-Dichloropropane	11.141	76	422100	52.696	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.141	63	1112387	292.701	ug/l	99
59) 2-Hexanone	11.176	43	1516088	276.651	ug/l	99
60) Dibromochloromethane	11.341	129	278616	52.733	ug/l	99
61) 1,2-Dibromoethane	11.453	107	250244	51.372	ug/l	99
64) Tetrachloroethene	11.082	164	170810	45.208	ug/l	96
65) Chlorobenzene	11.870	112	657775	49.908	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.941	131	233230	52.042	ug/l	98
67) Ethyl Benzene	11.941	91	1176241	54.212	ug/l	100
68) m/p-Xylenes	12.053	106	869964	107.076	ug/l	94
69) o-Xylene	12.376	106	428823	55.254	ug/l	95
70) Styrene	12.394	104	745658	57.114	ug/l	98
71) Bromoform	12.559	173	186678	51.560	ug/l #	98
73) Isopropylbenzene	12.676	105	1101854	60.019	ug/l	98
74) N-amyl acetate	12.500	43	382429	50.138	ug/l #	86
75) 1,1,2,2-Tetrachloroethane	12.917	83	371197	53.735	ug/l	98
76) 1,2,3-Trichloropropane	12.976	75	323967m	49.529	ug/l	
77) Bromobenzene	12.959	156	258139	54.217	ug/l	93
78) n-propylbenzene	13.017	91	1372237	59.409	ug/l	97
79) 2-Chlorotoluene	13.106	91	822996	57.976	ug/l	95
80) 1,3,5-Trimethylbenzene	13.153	105	937941	59.964	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.717	75	134709	56.350	ug/l	97
82) 4-Chlorotoluene	13.200	91	851446	57.610	ug/l	98
83) tert-Butylbenzene	13.417	119	793245	60.719	ug/l	97
84) 1,2,4-Trimethylbenzene	13.459	105	963459	60.315	ug/l	96
85) sec-Butylbenzene	13.594	105	1170651	59.490	ug/l	100
86) p-Isopropyltoluene	13.706	119	975420	61.853	ug/l	96
87) 1,3-Dichlorobenzene	13.711	146	497546	53.246	ug/l	98
88) 1,4-Dichlorobenzene	13.788	146	503587	50.459	ug/l	96
89) n-Butylbenzene	14.035	91	952157	63.231	ug/l	100
90) Hexachloroethane	14.311	117	185894	55.635	ug/l	96
91) 1,2-Dichlorobenzene	14.082	146	483934	54.667	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.700	75	94271	51.978	ug/l	96
93) 1,2,4-Trichlorobenzene	15.370	180	291601	56.077	ug/l	98
94) Hexachlorobutadiene	15.476	225	107072	55.415	ug/l	98
95) Naphthalene	15.617	128	1074791	58.344	ug/l	100
96) 1,2,3-Trichlorobenzene	15.817	180	287140	55.049	ug/l	98

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

