

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN070725\
 Data File : VN087282.D
 Acq On : 07 Jul 2025 09:48
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Quant Time: Jul 08 01:26:59 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N063025W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 01 03:15:00 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 07/08/2025
 Supervised By : Mahesh Dadoda 07/08/2025

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

Internal Standards						
1) Pentafluorobenzene	8.230	168	253960	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	391455	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	371947	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	217810	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	141986	44.547	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	89.100%		
35) Dibromofluoromethane	8.177	113	124726	49.761	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	99.520%		
50) Toluene-d8	10.565	98	473749	48.491	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	96.980%		
62) 4-Bromofluorobenzene	12.847	95	168668	48.521	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	97.040%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.154	85	120016	48.561	ug/l	97
3) Chloromethane	2.395	50	89133	44.414	ug/l	93
4) Vinyl Chloride	2.554	62	115792	46.931	ug/l	97
5) Bromomethane	2.983	94	102927	45.715	ug/l	99
6) Chloroethane	3.148	64	86405	44.212	ug/l	96
7) Trichlorofluoromethane	3.530	101	204251	47.707	ug/l	99
8) Diethyl Ether	3.989	74	64685	47.343	ug/l	96
9) 1,1,2-Trichlorotrifluo...	4.401	101	118254	47.574	ug/l	99
10) Methyl Iodide	4.612	142	144037	58.398	ug/l	99
11) Tert butyl alcohol	5.530	59	123273	212.213	ug/l	99
12) 1,1-Dichloroethene	4.371	96	109348	46.306	ug/l	93
13) Acrolein	4.201	56	130294	323.846	ug/l	97
14) Allyl chloride	5.042	41	123989	42.842	ug/l	95
15) Acrylonitrile	5.736	53	298388	206.331	ug/l	100
16) Acetone	4.442	43	339816	278.864	ug/l	97
17) Carbon Disulfide	4.742	76	297996	42.060	ug/l	100
18) Methyl Acetate	5.048	43	123771	44.368	ug/l	99
19) Methyl tert-butyl Ether	5.812	73	364538	44.047	ug/l	95
20) Methylene Chloride	5.300	84	116286	43.078	ug/l	99
21) trans-1,2-Dichloroethene	5.806	96	122830	43.046	ug/l	96
22) Diisopropyl ether	6.689	45	286230	41.308	ug/l	95
23) Vinyl Acetate	6.618	43	1357384	211.816	ug/l	98
24) 1,1-Dichloroethane	6.589	63	196095	43.193	ug/l	98
25) 2-Butanone	7.489	43	419009	220.030	ug/l	94
26) 2,2-Dichloropropane	7.500	77	200200	46.083	ug/l	99
27) cis-1,2-Dichloroethene	7.494	96	150800	45.762	ug/l	97
28) Bromochloromethane	7.824	49	84507	42.171	ug/l	91
29) Tetrahydrofuran	7.847	42	258060	210.294	ug/l	98
30) Chloroform	7.977	83	224459	44.606	ug/l	96
31) Cyclohexane	8.265	56	171146	39.427	ug/l	92
32) 1,1,1-Trichloroethane	8.177	97	210339	44.883	ug/l	98
36) 1,1-Dichloropropene	8.377	75	156875	46.024	ug/l	96
37) Ethyl Acetate	7.565	43	159239	43.458	ug/l	99
38) Carbon Tetrachloride	8.365	117	191948	49.697	ug/l	97
39) Methylcyclohexane	9.600	83	188918	46.540	ug/l	98
40) Benzene	8.612	78	477085	45.178	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.783	41	75583	43.142	ug/l	96
42) 1,2-Dichloroethane	8.677	62	165960	47.257	ug/l	99
43) Isopropyl Acetate	8.694	43	252759	44.481	ug/l	99
44) Trichloroethene	9.353	130	137691	49.070	ug/l	97
45) 1,2-Dichloropropane	9.624	63	108224	47.004	ug/l	92
46) Dibromomethane	9.712	93	92733	47.344	ug/l	96
47) Bromodichloromethane	9.888	83	179033	47.925	ug/l	99
48) Methyl methacrylate	9.683	41	109389	45.675	ug/l	99
49) 1,4-Dioxane	9.700	88	44952	902.826	ug/l #	98
51) 4-Methyl-2-Pentanone	10.447	43	814566	234.287	ug/l	99
52) Toluene	10.630	92	334997	48.371	ug/l	99
53) t-1,3-Dichloropropene	10.835	75	191431	47.777	ug/l	96
54) cis-1,3-Dichloropropene	10.312	75	195339	47.850	ug/l	97
55) 1,1,2-Trichloroethane	11.018	97	124162	47.459	ug/l	96
56) Ethyl methacrylate	10.877	69	170876	44.581	ug/l	98
57) 1,3-Dichloropropane	11.165	76	198733	46.542	ug/l	98
58) 2-Chloroethyl Vinyl ether	10.159	63	452295	223.271	ug/l	97
59) 2-Hexanone	11.200	43	553462	222.236	ug/l	99
60) Dibromochloromethane	11.359	129	157867	51.189	ug/l	99
61) 1,2-Dibromoethane	11.471	107	137085	48.712	ug/l	99
64) Tetrachloroethene	11.106	164	122707	49.479	ug/l	97
65) Chlorobenzene	11.888	112	398671	47.768	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.959	131	143237	49.704	ug/l	99
67) Ethyl Benzene	11.959	91	645331	47.785	ug/l	99
68) m/p-Xylenes	12.071	106	538895	99.875	ug/l	97
69) o-Xylene	12.394	106	251926	49.913	ug/l	96
70) Styrene	12.406	104	437928	51.053	ug/l	99
71) Bromoform	12.576	173	118793	53.431	ug/l #	99
73) Isopropylbenzene	12.694	105	647819	46.160	ug/l	100
74) N-amyl acetate	12.512	43	190961m	41.377	ug/l	
75) 1,1,2,2-Tetrachloroethane	12.935	83	190764	41.324	ug/l	98
76) 1,2,3-Trichloropropane	12.994	75	186943m	45.124	ug/l	
77) Bromobenzene	12.976	156	176649	48.218	ug/l	93
78) n-propylbenzene	13.035	91	768377	45.325	ug/l	99
79) 2-Chlorotoluene	13.123	91	445398	44.146	ug/l	96
80) 1,3,5-Trimethylbenzene	13.171	105	554356	47.256	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.735	75	80817	45.821	ug/l	100
82) 4-Chlorotoluene	13.218	91	467338	44.250	ug/l	97
83) tert-Butylbenzene	13.435	119	487092	47.393	ug/l	98
84) 1,2,4-Trimethylbenzene	13.482	105	571386	48.624	ug/l	98
85) sec-Butylbenzene	13.612	105	692340	47.524	ug/l	99
86) p-Isopropyltoluene	13.723	119	612719	48.930	ug/l	99
87) 1,3-Dichlorobenzene	13.729	146	349820	47.947	ug/l	99
88) 1,4-Dichlorobenzene	13.812	146	350705	46.037	ug/l	98
89) n-Butylbenzene	14.053	91	509856	46.244	ug/l	98
90) Hexachloroethane	14.329	117	107702	46.466	ug/l	96
91) 1,2-Dichlorobenzene	14.106	146	327754	48.034	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.717	75	44652	40.250	ug/l	93
93) 1,2,4-Trichlorobenzene	15.388	180	185946	46.084	ug/l	99
94) Hexachlorobutadiene	15.500	225	59234	46.213	ug/l	98
95) Naphthalene	15.635	128	623569	44.669	ug/l	100
96) 1,2,3-Trichlorobenzene	15.835	180	181940	46.283	ug/l	99

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

