

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN063025\
 Data File : VN087241.D
 Acq On : 30 Jun 2025 14:09
 Operator : JC\MD
 Sample : VSTDICCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 07/01/2025
 Supervised By : Mahesh Dadoda 07/01/2025

Quant Time: Jul 01 02:53:28 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N063025W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 01 02:39:52 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.230	168	137009	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	223678	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	210841	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	118875	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	81168	47.203	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	94.400%		
35) Dibromofluoromethane	8.177	113	68595	47.894	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	95.780%		
50) Toluene-d8	10.565	98	269608	48.295	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	96.580%		
62) 4-Bromofluorobenzene	12.847	95	96635	48.651	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	97.300%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.154	85	69467	52.100	ug/l	100
3) Chloromethane	2.395	50	53813	49.703	ug/l	100
4) Vinyl Chloride	2.554	62	66873	50.239	ug/l	100
5) Bromomethane	2.989	94	55116	45.375	ug/l	100
6) Chloroethane	3.154	64	52371	49.672	ug/l	100
7) Trichlorofluoromethane	3.524	101	112325	48.631	ug/l	100
8) Diethyl Ether	3.983	74	37557	50.952	ug/l	100
9) 1,1,2-Trichlorotrifluo...	4.401	101	65594	48.914	ug/l	100
10) Methyl Iodide	4.612	142	72025	54.128	ug/l	100
11) Tert butyl alcohol	5.536	59	78884	251.715	ug/l	100
12) 1,1-Dichloroethene	4.371	96	63548	49.882	ug/l	100
13) Acrolein	4.201	56	51896	239.092	ug/l	100
14) Allyl chloride	5.048	41	77293	49.504	ug/l	100
15) Acrylonitrile	5.736	53	188884	242.609	ug/l	100
16) Acetone	4.448	43	154726	235.358	ug/l	100
17) Carbon Disulfide	4.742	76	180939	47.338	ug/l	100
18) Methyl Acetate	5.048	43	73923	49.119	ug/l	100
19) Methyl tert-butyl Ether	5.812	73	220092	49.293	ug/l	100
20) Methylene Chloride	5.295	84	69320	47.600	ug/l	100
21) trans-1,2-Dichloroethene	5.806	96	72690	47.219	ug/l	100
22) Diisopropyl ether	6.683	45	184346	49.314	ug/l	100
23) Vinyl Acetate	6.618	43	867635	250.962	ug/l	100
24) 1,1-Dichloroethane	6.589	63	119563	48.816	ug/l	100
25) 2-Butanone	7.494	43	253348	246.599	ug/l	100
26) 2,2-Dichloropropane	7.500	77	113182	48.292	ug/l	100
27) cis-1,2-Dichloroethene	7.494	96	86734	48.787	ug/l	100
28) Bromochloromethane	7.818	49	54874	50.759	ug/l	100
29) Tetrahydrofuran	7.847	42	166593	251.640	ug/l	100
30) Chloroform	7.977	83	131000	48.255	ug/l	100
31) Cyclohexane	8.265	56	107262	45.803	ug/l	100
32) 1,1,1-Trichloroethane	8.177	97	121470	48.045	ug/l	100
36) 1,1-Dichloropropene	8.377	75	95142	48.849	ug/l	100
37) Ethyl Acetate	7.571	43	104007	49.676	ug/l	100
38) Carbon Tetrachloride	8.371	117	108564	49.192	ug/l	100
39) Methylcyclohexane	9.606	83	115231	49.680	ug/l	100
40) Benzene	8.612	78	293072	48.570	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.789	41	49653	49.600	ug/l	100
42) 1,2-Dichloroethane	8.677	62	99146	49.408	ug/l	100
43) Isopropyl Acetate	8.694	43	160630	49.471	ug/l	100
44) Trichloroethene	9.353	130	77456	48.309	ug/l	100
45) 1,2-Dichloropropane	9.624	63	64834	49.280	ug/l	100
46) Dibromomethane	9.712	93	54017	48.263	ug/l	100
47) Bromodichloromethane	9.888	83	103956	48.701	ug/l	100
48) Methyl methacrylate	9.683	41	69205	50.571	ug/l	100
49) 1,4-Dioxane	9.706	88	28918	1014.339	ug/l #	100
51) 4-Methyl-2-Pentanone	10.447	43	507742	255.578	ug/l	100
52) Toluene	10.630	92	198944	50.273	ug/l	100
53) t-1,3-Dichloropropene	10.835	75	114875	50.175	ug/l	100
54) cis-1,3-Dichloropropene	10.312	75	116029	49.742	ug/l	100
55) 1,1,2-Trichloroethane	11.018	97	72685	48.622	ug/l	100
56) Ethyl methacrylate	10.877	69	108609	49.589	ug/l	100
57) 1,3-Dichloropropane	11.165	76	117795	48.280	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.159	63	297817	257.288	ug/l	100
59) 2-Hexanone	11.200	43	343264	246.218	ug/l	100
60) Dibromochloromethane	11.359	129	88005	49.940	ug/l	100
61) 1,2-Dibromoethane	11.471	107	79946	49.717	ug/l	100
64) Tetrachloroethene	11.106	164	68113	48.452	ug/l	100
65) Chlorobenzene	11.888	112	225739	47.715	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.959	131	79746	48.817	ug/l	100
67) Ethyl Benzene	11.965	91	379801	49.612	ug/l	100
68) m/p-Xylenes	12.071	106	309513	101.195	ug/l	100
69) o-Xylene	12.394	106	146624	51.247	ug/l	100
70) Styrene	12.412	104	253569	52.149	ug/l	100
71) Bromoform	12.576	173	64867	51.470	ug/l #	100
73) Isopropylbenzene	12.694	105	373752	48.795	ug/l	100
74) N-amyl acetate	12.518	43	98015	37.828	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.935	83	118115	46.881	ug/l	100
76) 1,2,3-Trichloropropane	12.994	75	101153m	44.369	ug/l	
77) Bromobenzene	12.976	156	98367	49.197	ug/l	100
78) n-propylbenzene	13.035	91	451207	48.767	ug/l	100
79) 2-Chlorotoluene	13.123	91	266153	48.335	ug/l	100
80) 1,3,5-Trimethylbenzene	13.171	105	323098	50.465	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.735	75	46322	48.121	ug/l	100
82) 4-Chlorotoluene	13.218	91	277251	48.100	ug/l	100
83) tert-Butylbenzene	13.435	119	276002	49.205	ug/l	100
84) 1,2,4-Trimethylbenzene	13.482	105	330399	51.517	ug/l	100
85) sec-Butylbenzene	13.612	105	400536	50.376	ug/l	100
86) p-Isopropyltoluene	13.723	119	349337	51.115	ug/l	100
87) 1,3-Dichlorobenzene	13.729	146	191544	48.104	ug/l	100
88) 1,4-Dichlorobenzene	13.812	146	193132	46.452	ug/l	100
89) n-Butylbenzene	14.053	91	301749	50.147	ug/l	100
90) Hexachloroethane	14.329	117	61358	48.503	ug/l	100
91) 1,2-Dichlorobenzene	14.106	146	179275	48.140	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.717	75	28180	46.543	ug/l	100
93) 1,2,4-Trichlorobenzene	15.388	180	106230	48.238	ug/l	100
94) Hexachlorobutadiene	15.500	225	32422	46.347	ug/l	100
95) Naphthalene	15.635	128	375959	49.345	ug/l	100
96) 1,2,3-Trichlorobenzene	15.835	180	104078	48.511	ug/l	100

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

