

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN063025\
 Data File : VN087246.D
 Acq On : 30 Jun 2025 16:37
 Operator : JC\MD
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN063025

Manual Integrations
 APPROVED

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

Quant Time: Jul 01 02:56:40 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	8.235	168	127333	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	207354	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	195348	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	110838	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	78355	49.030	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	98.060%		
35) Dibromofluoromethane	8.177	113	66572	50.141	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	100.280%		
50) Toluene-d8	10.571	98	262839	50.789	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	101.580%		
62) 4-Bromofluorobenzene	12.847	95	95159	51.679	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	103.360%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.153	85	65967	53.235	ug/l	99
3) Chloromethane	2.395	50	50571	50.258	ug/l	97
4) Vinyl Chloride	2.553	62	65326	52.806	ug/l	98
5) Bromomethane	2.989	94	55548	49.206	ug/l	98
6) Chloroethane	3.153	64	49779	50.801	ug/l	100
7) Trichlorofluoromethane	3.524	101	110248	51.359	ug/l	98
8) Diethyl Ether	3.983	74	36779	53.688	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.394	101	65115	52.246	ug/l	99
10) Methyl Iodide	4.612	142	63738	51.540	ug/l	96
11) Tert butyl alcohol	5.547	59	77873	267.372	ug/l	99
12) 1,1-Dichloroethene	4.359	96	61694	52.106	ug/l	96
13) Acrolein	4.200	56	54285	269.103	ug/l	97
14) Allyl chloride	5.047	41	73327	50.533	ug/l	99
15) Acrylonitrile	5.736	53	183961	254.241	ug/l	99
16) Acetone	4.447	43	156718	256.503	ug/l	100
17) Carbon Disulfide	4.736	76	173110	48.731	ug/l	97
18) Methyl Acetate	5.047	43	70530	50.425	ug/l	100
19) Methyl tert-butyl Ether	5.818	73	213539	51.460	ug/l	97
20) Methylene Chloride	5.300	84	66689	49.273	ug/l	95
21) trans-1,2-Dichloroethene	5.806	96	69625	48.665	ug/l	100
22) Diisopropyl ether	6.683	45	174359	50.186	ug/l	96
23) Vinyl Acetate	6.618	43	823453	256.282	ug/l	99
24) 1,1-Dichloroethane	6.588	63	113037	49.658	ug/l	99
25) 2-Butanone	7.494	43	244802	256.388	ug/l	98
26) 2,2-Dichloropropane	7.500	77	111854	51.352	ug/l	100
27) cis-1,2-Dichloroethene	7.500	96	83881	50.768	ug/l	99
28) Bromochloromethane	7.824	49	49944	49.709	ug/l	99
29) Tetrahydrofuran	7.847	42	161239	262.060	ug/l	100
30) Chloroform	7.977	83	125697	49.820	ug/l	99
31) Cyclohexane	8.265	56	103007	47.329	ug/l	96
32) 1,1,1-Trichloroethane	8.177	97	115491	49.152	ug/l	99
36) 1,1-Dichloropropene	8.377	75	90540	50.146	ug/l	98
37) Ethyl Acetate	7.565	43	99904	51.473	ug/l	99
38) Carbon Tetrachloride	8.371	117	105499	51.567	ug/l	97
39) Methylcyclohexane	9.606	83	114693	53.341	ug/l	97
40) Benzene	8.612	78	279746	50.011	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.782	41	46952	50.594	ug/l	99
42) 1,2-Dichloroethane	8.677	62	93288	50.149	ug/l	100
43) Isopropyl Acetate	8.694	43	154220	51.236	ug/l	99
44) Trichloroethene	9.359	130	75153	50.563	ug/l	96
45) 1,2-Dichloropropane	9.624	63	62765	51.463	ug/l	95
46) Dibromomethane	9.712	93	51542	49.678	ug/l	99
47) Bromodichloromethane	9.888	83	99398	50.232	ug/l	98
48) Methyl methacrylate	9.682	41	66617	52.512	ug/l	100
49) 1,4-Dioxane	9.706	88	27300	1032.664	ug/l #	95
51) 4-Methyl-2-Pentanone	10.447	43	496658	269.680	ug/l	99
52) Toluene	10.629	92	189255	51.589	ug/l	99
53) t-1,3-Dichloropropene	10.835	75	112449	52.982	ug/l	99
54) cis-1,3-Dichloropropene	10.312	75	109875	50.812	ug/l	98
55) 1,1,2-Trichloroethane	11.018	97	70470	50.851	ug/l	97
56) Ethyl methacrylate	10.876	69	104884	51.658	ug/l	99
57) 1,3-Dichloropropane	11.165	76	114932	50.815	ug/l	97
58) 2-Chloroethyl Vinyl ether	10.159	63	282231	263.018	ug/l	100
59) 2-Hexanone	11.200	43	327472	253.382	ug/l	99
60) Dibromochloromethane	11.359	129	86656	53.046	ug/l	98
61) 1,2-Dibromoethane	11.470	107	77514	51.999	ug/l	99
64) Tetrachloroethene	11.106	164	65252	50.098	ug/l	100
65) Chlorobenzene	11.888	112	217335	49.582	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.959	131	75261	49.725	ug/l	98
67) Ethyl Benzene	11.965	91	365845	51.579	ug/l	99
68) m/p-Xylenes	12.070	106	299006	105.513	ug/l	100
69) o-Xylene	12.394	106	140690	53.073	ug/l	98
70) Styrene	12.412	104	244038	54.169	ug/l	100
71) Bromoform	12.576	173	63252	54.169	ug/l #	98
73) Isopropylbenzene	12.694	105	359172	50.292	ug/l	99
74) N-amyl acetate	12.517	43	117314m	48.559	ug/l	
75) 1,1,2,2-Tetrachloroethane	12.935	83	112772	48.006	ug/l	99
76) 1,2,3-Trichloropropane	12.994	75	95738m	45.039	ug/l	
77) Bromobenzene	12.982	156	93704	50.263	ug/l	98
78) n-propylbenzene	13.035	91	436421	50.589	ug/l	100
79) 2-Chlorotoluene	13.123	91	255267	49.720	ug/l	99
80) 1,3,5-Trimethylbenzene	13.170	105	306689	51.376	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.735	75	42918	47.817	ug/l	90
82) 4-Chlorotoluene	13.217	91	266794	49.642	ug/l	100
83) tert-Butylbenzene	13.435	119	269244	51.480	ug/l	99
84) 1,2,4-Trimethylbenzene	13.482	105	314495	52.593	ug/l	99
85) sec-Butylbenzene	13.612	105	389029	52.476	ug/l	100
86) p-Isopropyltoluene	13.729	119	339463	53.272	ug/l	99
87) 1,3-Dichlorobenzene	13.729	146	186697	50.286	ug/l	100
88) 1,4-Dichlorobenzene	13.812	146	187859	48.460	ug/l	99
89) n-Butylbenzene	14.053	91	297348	52.999	ug/l	99
90) Hexachloroethane	14.329	117	59100	50.106	ug/l	99
91) 1,2-Dichlorobenzene	14.106	146	172700	49.738	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	26479	46.905	ug/l	97
93) 1,2,4-Trichlorobenzene	15.388	180	103114	50.219	ug/l	99
94) Hexachlorobutadiene	15.494	225	31462	48.236	ug/l	97
95) Naphthalene	15.635	128	361028	50.821	ug/l	99
96) 1,2,3-Trichlorobenzene	15.835	180	101133	50.556	ug/l	99

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

