

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061325\
 Data File : VN087015.D
 Acq On : 13 Jun 2025 20:13
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 06/16/2025
 Supervised By : Mahesh Dadoda 06/16/2025

Quant Time: Jun 14 00:35:53 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

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

Internal Standards						
1) Pentafluorobenzene	8.236	168	177059	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	323664	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	286714	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	143044	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	120504	50.832	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 101.660%			
35) Dibromofluoromethane	8.177	113	104545	54.504	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 109.000%			
50) Toluene-d8	10.571	98	387445	51.025	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 102.040%			
62) 4-Bromofluorobenzene	12.847	95	148979	52.808	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 105.620%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.154	85	102513	58.068	ug/l	99
3) Chloromethane	2.395	50	115435	50.637	ug/l	98
4) Vinyl Chloride	2.554	62	145294	61.785	ug/l	98
5) Bromomethane	2.995	94	38834	29.510	ug/l	99
6) Chloroethane	3.153	64	91785	60.424	ug/l	96
7) Trichlorofluoromethane	3.530	101	184503	60.050	ug/l	95
8) Diethyl Ether	3.983	74	77594	57.964	ug/l	95
9) 1,1,2-Trichlorotrifluo...	4.400	101	109285	56.615	ug/l	99
10) Methyl Iodide	4.612	142	70915	28.340	ug/l	98
11) Tert butyl alcohol	5.542	59	167958	261.110	ug/l	99
12) 1,1-Dichloroethene	4.371	96	118251	60.004	ug/l	91
13) Acrolein	4.200	56	19026	93.443	ug/l	99
14) Allyl chloride	5.047	41	165051	50.500	ug/l	97
15) Acrylonitrile	5.742	53	405166	269.483	ug/l	99
16) Acetone	4.447	43	309658	246.315	ug/l	98
17) Carbon Disulfide	4.742	76	357127	65.513	ug/l	100
18) Methyl Acetate	5.047	43	169286	46.208	ug/l	97
19) Methyl tert-butyl Ether	5.818	73	394017	55.219	ug/l	97
20) Methylene Chloride	5.300	84	131735	55.971	ug/l	95
21) trans-1,2-Dichloroethene	5.812	96	125710	57.334	ug/l	96
22) Diisopropyl ether	6.689	45	368851	53.539	ug/l	98
23) Vinyl Acetate	6.618	43	1623406	278.900	ug/l	98
24) 1,1-Dichloroethane	6.583	63	223707	56.425	ug/l	99
25) 2-Butanone	7.494	43	521890	255.393	ug/l	96
26) 2,2-Dichloropropane	7.500	77	140253	45.477	ug/l	97
27) cis-1,2-Dichloroethene	7.500	96	147981	56.434	ug/l	97
28) Bromochloromethane	7.824	49	104187	53.447	ug/l	93
29) Tetrahydrofuran	7.847	42	344827	259.039	ug/l	95
30) Chloroform	7.977	83	220616	55.720	ug/l	97
31) Cyclohexane	8.271	56	201646	52.445	ug/l	94
32) 1,1,1-Trichloroethane	8.177	97	186520	55.388	ug/l	99
36) 1,1-Dichloropropene	8.383	75	165286	57.829	ug/l	99
37) Ethyl Acetate	7.571	43	192815	52.994	ug/l	98
38) Carbon Tetrachloride	8.371	117	158306	56.416	ug/l	96
39) Methylcyclohexane	9.606	83	197918	50.543	ug/l	96
40) Benzene	8.612	78	530188	56.727	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.788	41	107778	52.745	ug/l	96
42) 1,2-Dichloroethane	8.677	62	156821	55.319	ug/l	100
43) Isopropyl Acetate	8.694	43	300238	51.413	ug/l	97
44) Trichloroethene	9.359	130	128567	58.013	ug/l	99
45) 1,2-Dichloropropane	9.624	63	128559	56.539	ug/l	99
46) Dibromomethane	9.712	93	86619	57.352	ug/l	99
47) Bromodichloromethane	9.894	83	174176	56.051	ug/l	98
48) Methyl methacrylate	9.688	41	138963	51.701	ug/l	96
49) 1,4-Dioxane	9.706	88	52836	1080.544	ug/l #	98
51) 4-Methyl-2-Pentanone	10.447	43	936186	266.296	ug/l	97
52) Toluene	10.635	92	326827	57.220	ug/l	99
53) t-1,3-Dichloropropene	10.841	75	188870	54.355	ug/l	95
54) cis-1,3-Dichloropropene	10.318	75	205259	55.209	ug/l	97
55) 1,1,2-Trichloroethane	11.018	97	122125	55.567	ug/l	98
56) Ethyl methacrylate	10.882	69	208346	59.518	ug/l	94
57) 1,3-Dichloropropane	11.165	76	214803	56.341	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.165	63	582139	278.815	ug/l	99
59) 2-Hexanone	11.200	43	633853	279.908	ug/l	93
60) Dibromochloromethane	11.359	129	131961	57.629	ug/l	100
61) 1,2-Dibromoethane	11.471	107	129432	57.456	ug/l	99
64) Tetrachloroethene	11.106	164	110954	61.148	ug/l	97
65) Chlorobenzene	11.894	112	353548	55.910	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.959	131	112219	55.207	ug/l	100
67) Ethyl Benzene	11.965	91	600721	55.151	ug/l	99
68) m/p-Xylenes	12.071	106	474265	113.745	ug/l	99
69) o-Xylene	12.400	106	226555	56.733	ug/l	99
70) Styrene	12.412	104	391256	57.257	ug/l	99
71) Bromoform	12.582	173	86089	57.160	ug/l #	100
73) Isopropylbenzene	12.694	105	551423	52.915	ug/l	99
74) N-amyl acetate	12.512	43	190258	52.247	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.935	83	195192	55.290	ug/l	99
76) 1,2,3-Trichloropropane	12.994	75	163490m	48.082	ug/l	
77) Bromobenzene	12.982	156	134351	56.217	ug/l	95
78) n-propylbenzene	13.035	91	657646	51.930	ug/l	98
79) 2-Chlorotoluene	13.123	91	405474	53.388	ug/l	98
80) 1,3,5-Trimethylbenzene	13.170	105	452624	52.608	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.735	75	56569	38.297	ug/l	97
82) 4-Chlorotoluene	13.218	91	415698	54.095	ug/l	99
83) tert-Butylbenzene	13.435	119	402449	51.101	ug/l	98
84) 1,2,4-Trimethylbenzene	13.482	105	466357	54.055	ug/l	99
85) sec-Butylbenzene	13.612	105	559228	48.896	ug/l	99
86) p-Isopropyltoluene	13.729	119	470095	49.723	ug/l	99
87) 1,3-Dichlorobenzene	13.735	146	254506	54.127	ug/l	100
88) 1,4-Dichlorobenzene	13.812	146	259312	54.093	ug/l	99
89) n-Butylbenzene	14.053	91	423209	46.215	ug/l	99
90) Hexachloroethane	14.329	117	68232	42.577	ug/l	98
91) 1,2-Dichlorobenzene	14.106	146	246617	54.592	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.717	75	43462	51.477	ug/l	94
93) 1,2,4-Trichlorobenzene	15.388	180	141048	48.896	ug/l	99
94) Hexachlorobutadiene	15.494	225	41240	38.372	ug/l	99
95) Naphthalene	15.635	128	574068	53.465	ug/l	100
96) 1,2,3-Trichlorobenzene	15.841	180	136299	47.556	ug/l	99

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

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