

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061825\
 Data File : VN087078.D
 Acq On : 18 Jun 2025 12:29
 Operator : JC\MD
 Sample : VN0618WBSD01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0618WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 06/19/2025
 Supervised By : Mahesh Dadoda 06/21/2025

Quant Time: Jun 19 01:25:46 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	8.230	168	199877	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	355722	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	316952	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	157759	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	130530	48.776	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	97.560%
35) Dibromofluoromethane	8.177	113	115072	54.586	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	109.180%
50) Toluene-d8	10.571	98	414255	49.639	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	99.280%
62) 4-Bromofluorobenzene	12.847	95	158758	51.203	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	102.400%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.154	85	37416	18.775	ug/l	96
3) Chloromethane	2.395	50	43242	16.803	ug/l	99
4) Vinyl Chloride	2.554	62	53757	20.250	ug/l	96
5) Bromomethane	3.001	94	28414	19.127	ug/l	93
6) Chloroethane	3.154	64	34091	19.881	ug/l	97
7) Trichlorofluoromethane	3.530	101	70516	20.331	ug/l	93
8) Diethyl Ether	3.983	74	30211	19.992	ug/l	95
9) 1,1,2-Trichlorotrifluo...	4.401	101	43148	19.801	ug/l	99
10) Methyl Iodide	4.612	142	29377	10.400	ug/l	92
11) Tert butyl alcohol	5.542	59	66405	91.449	ug/l	98
12) 1,1-Dichloroethene	4.371	96	44564	20.032	ug/l	89
13) Acrolein	4.201	56	12851	55.910	ug/l	100
14) Allyl chloride	5.048	41	63978	17.340	ug/l	95
15) Acrylonitrile	5.736	53	162788	95.913	ug/l	98
16) Acetone	4.448	43	123060	86.712	ug/l	97
17) Carbon Disulfide	4.742	76	124534	20.237	ug/l	100
18) Methyl Acetate	5.048	43	67284	16.269	ug/l	96
19) Methyl tert-butyl Ether	5.812	73	157144	19.509	ug/l	98
20) Methylene Chloride	5.295	84	51576	19.412	ug/l	95
21) trans-1,2-Dichloroethene	5.806	96	47826	19.322	ug/l	93
22) Diisopropyl ether	6.683	45	142554	18.330	ug/l	93
23) Vinyl Acetate	6.618	43	638145	97.117	ug/l	97
24) 1,1-Dichloroethane	6.594	63	85740	19.157	ug/l	99
25) 2-Butanone	7.494	43	206882	89.683	ug/l	99
26) 2,2-Dichloropropane	7.500	77	71814	20.627	ug/l	97
27) cis-1,2-Dichloroethene	7.500	96	57739	19.505	ug/l	98
28) Bromochloromethane	7.824	49	39060	17.750	ug/l	93
29) Tetrahydrofuran	7.853	42	139224	92.647	ug/l	96
30) Chloroform	7.977	83	86413	19.333	ug/l	98
31) Cyclohexane	8.265	56	77144	17.773	ug/l	93
32) 1,1,1-Trichloroethane	8.177	97	72955	19.191	ug/l	96
36) 1,1-Dichloropropene	8.383	75	61819	19.680	ug/l	98
37) Ethyl Acetate	7.571	43	75894	18.979	ug/l	99
38) Carbon Tetrachloride	8.371	117	60871	19.738	ug/l	95
39) Methylcyclohexane	9.606	83	71831	16.691	ug/l	99
40) Benzene	8.612	78	204668	19.925	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.789	41	42088	18.741	ug/l	96
42) 1,2-Dichloroethane	8.677	62	62203	19.965	ug/l	99
43) Isopropyl Acetate	8.694	43	118455	18.456	ug/l	97
44) Trichloroethene	9.359	130	49327	20.252	ug/l	95
45) 1,2-Dichloropropane	9.624	63	49868	19.955	ug/l	96
46) Dibromomethane	9.712	93	35344	21.293	ug/l	99
47) Bromodichloromethane	9.894	83	69016	20.208	ug/l	99
48) Methyl methacrylate	9.688	41	53532	18.122	ug/l	97
49) 1,4-Dioxane	9.706	88	22250	414.025	ug/l #	96
51) 4-Methyl-2-Pentanone	10.447	43	367801	95.192	ug/l	99
52) Toluene	10.630	92	125407	19.977	ug/l	100
53) t-1,3-Dichloropropene	10.841	75	76696	20.083	ug/l	94
54) cis-1,3-Dichloropropene	10.312	75	83203	20.362	ug/l	94
55) 1,1,2-Trichloroethane	11.018	97	49865	20.644	ug/l	98
56) Ethyl methacrylate	10.882	69	76379	19.853	ug/l	96
57) 1,3-Dichloropropane	11.165	76	83717	19.979	ug/l	97
58) 2-Chloroethyl Vinyl ether	10.165	63	223734	97.500	ug/l	99
59) 2-Hexanone	11.206	43	217660	87.456	ug/l	91
60) Dibromochloromethane	11.359	129	52878	21.011	ug/l	100
61) 1,2-Dibromoethane	11.471	107	50664	20.463	ug/l	98
64) Tetrachloroethene	11.106	164	38209	19.048	ug/l	98
65) Chlorobenzene	11.888	112	138857	19.864	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.959	131	44748	19.914	ug/l	98
67) Ethyl Benzene	11.965	91	228678	18.992	ug/l	99
68) m/p-Xylenes	12.071	106	182006	39.487	ug/l	99
69) o-Xylene	12.394	106	86208	19.528	ug/l	99
70) Styrene	12.412	104	146203	19.354	ug/l	99
71) Bromoform	12.576	173	36112	21.689	ug/l #	98
73) Isopropylbenzene	12.694	105	212956	18.529	ug/l	99
74) N-amyl acetate	12.535	43	71851m	17.891	ug/l	
75) 1,1,2,2-Tetrachloroethane	12.935	83	79131	20.324	ug/l	99
76) 1,2,3-Trichloropropane	12.994	75	67255m	17.935	ug/l	
77) Bromobenzene	12.976	156	53761	20.397	ug/l	98
78) n-propylbenzene	13.035	91	256105	18.337	ug/l	100
79) 2-Chlorotoluene	13.123	91	155964m	18.620	ug/l	
80) 1,3,5-Trimethylbenzene	13.171	105	175372	18.482	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.735	75	31264	19.192	ug/l	90
82) 4-Chlorotoluene	13.218	91	159718	18.845	ug/l	98
83) tert-Butylbenzene	13.435	119	147768	17.013	ug/l	99
84) 1,2,4-Trimethylbenzene	13.482	105	178175	18.726	ug/l	100
85) sec-Butylbenzene	13.612	105	212455	16.843	ug/l	100
86) p-Isopropyltoluene	13.729	119	179938	17.257	ug/l	99
87) 1,3-Dichlorobenzene	13.729	146	101456	19.565	ug/l	99
88) 1,4-Dichlorobenzene	13.812	146	104311	19.730	ug/l	99
89) n-Butylbenzene	14.053	91	160262	15.868	ug/l	99
90) Hexachloroethane	14.329	117	32379	18.320	ug/l	97
91) 1,2-Dichlorobenzene	14.106	146	97054	19.480	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	18002	19.333	ug/l	98
93) 1,2,4-Trichlorobenzene	15.388	180	55179	17.344	ug/l	98
94) Hexachlorobutadiene	15.494	225	17675	14.912	ug/l	97
95) Naphthalene	15.635	128	213986	18.070	ug/l	100
96) 1,2,3-Trichlorobenzene	15.835	180	53898	17.052	ug/l	98

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

