

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061625\
 Data File : VN087017.D
 Acq On : 16 Jun 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: Jun 17 07:16:57 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

Manual Integrations APPROVED

Reviewed By : John Carlone 06/17/2025
 Supervised By : Semsettin Yesilyurt 06/17/2025

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

Internal Standards						
1) Pentafluorobenzene	8.230	168	190027	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	334516	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	287112	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	143033	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	106350	41.800	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	83.600%		
35) Dibromofluoromethane	8.171	113	94386	47.611	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	95.220%		
50) Toluene-d8	10.565	98	351638	44.807	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	89.620%		
62) 4-Bromofluorobenzene	12.847	95	132718	45.518	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	91.040%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.153	85	108175	57.094	ug/l	98
3) Chloromethane	2.395	50	109051	44.572	ug/l	98
4) Vinyl Chloride	2.553	62	147574	58.472	ug/l	98
5) Bromomethane	2.995	94	61231	43.354	ug/l	98
6) Chloroethane	3.159	64	92590	56.795	ug/l	98
7) Trichlorofluoromethane	3.530	101	182201	55.254	ug/l	99
8) Diethyl Ether	3.983	74	79826	55.562	ug/l	92
9) 1,1,2-Trichlorotrifluo...	4.400	101	113848	54.954	ug/l	99
10) Methyl Iodide	4.612	142	67582	25.165	ug/l	96
11) Tert butyl alcohol	5.536	59	149479	216.524	ug/l	98
12) 1,1-Dichloroethene	4.371	96	118809	56.173	ug/l	96
13) Acrolein	4.206	56	26856	122.898	ug/l	97
14) Allyl chloride	5.047	41	170531	48.616	ug/l	94
15) Acrylonitrile	5.736	53	394798	244.667	ug/l	99
16) Acetone	4.442	43	323168	239.519	ug/l	96
17) Carbon Disulfide	4.742	76	356722	60.973	ug/l	100
18) Methyl Acetate	5.047	43	159446	40.552	ug/l	98
19) Methyl tert-butyl Ether	5.818	73	399579	52.177	ug/l	99
20) Methylene Chloride	5.300	84	131377	52.010	ug/l	96
21) trans-1,2-Dichloroethene	5.806	96	127891	54.348	ug/l	96
22) Diisopropyl ether	6.688	45	363906	49.217	ug/l	96
23) Vinyl Acetate	6.618	43	1629503	260.843	ug/l	97
24) 1,1-Dichloroethane	6.588	63	225464	52.987	ug/l	100
25) 2-Butanone	7.488	43	488768	222.862	ug/l	96
26) 2,2-Dichloropropane	7.500	77	196122	59.253	ug/l	98
27) cis-1,2-Dichloroethene	7.500	96	151345	53.778	ug/l	99
28) Bromochloromethane	7.824	49	92552	44.238	ug/l	91
29) Tetrahydrofuran	7.847	42	325481	227.820	ug/l	95
30) Chloroform	7.971	83	220029	51.780	ug/l	99
31) Cyclohexane	8.265	56	202567	49.089	ug/l	91
32) 1,1,1-Trichloroethane	8.177	97	188278	52.094	ug/l	97
36) 1,1-Dichloropropene	8.377	75	165024	55.864	ug/l	99
37) Ethyl Acetate	7.571	43	189603	50.420	ug/l	99
38) Carbon Tetrachloride	8.371	117	159282	54.922	ug/l	96
39) Methylcyclohexane	9.606	83	206742	51.084	ug/l	97
40) Benzene	8.612	78	530925	54.963	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.783	41	99556	47.141	ug/l	93
42) 1,2-Dichloroethane	8.677	62	155773	53.167	ug/l	99
43) Isopropyl Acetate	8.694	43	293801	48.678	ug/l	96
44) Trichloroethene	9.359	130	129680	56.617	ug/l	97
45) 1,2-Dichloropropane	9.624	63	127768	54.368	ug/l	99
46) Dibromomethane	9.712	93	87464	56.032	ug/l	98
47) Bromodichloromethane	9.888	83	174122	54.216	ug/l	99
48) Methyl methacrylate	9.682	41	135021	48.604	ug/l	94
49) 1,4-Dioxane	9.700	88	50936	1007.894	ug/l #	96
51) 4-Methyl-2-Pentanone	10.447	43	896090	246.622	ug/l	97
52) Toluene	10.629	92	327761	55.522	ug/l	99
53) t-1,3-Dichloropropene	10.835	75	200248	55.760	ug/l	100
54) cis-1,3-Dichloropropene	10.312	75	216234	56.274	ug/l	96
55) 1,1,2-Trichloroethane	11.018	97	121706	53.580	ug/l	99
56) Ethyl methacrylate	10.876	69	206624	57.111	ug/l	93
57) 1,3-Dichloropropane	11.165	76	212453	53.917	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.159	63	517636	239.879	ug/l	98
59) 2-Hexanone	11.200	43	602730	257.529	ug/l	94
60) Dibromochloromethane	11.359	129	134421	56.799	ug/l	100
61) 1,2-Dibromoethane	11.471	107	128404	55.151	ug/l	99
64) Tetrachloroethene	11.106	164	103237	56.816	ug/l	94
65) Chlorobenzene	11.888	112	357903	56.520	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.959	131	114793	56.395	ug/l	98
67) Ethyl Benzene	11.965	91	598718	54.891	ug/l	98
68) m/p-Xylenes	12.070	106	483774	115.865	ug/l	96
69) o-Xylene	12.394	106	229956	57.505	ug/l	96
70) Styrene	12.412	104	393057	57.441	ug/l	99
71) Bromoform	12.576	173	89059	59.050	ug/l #	100
73) Isopropylbenzene	12.694	105	565099	54.232	ug/l	100
74) N-amyl acetate	12.518	43	179627	49.332	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.935	83	188972	53.532	ug/l	98
76) 1,2,3-Trichloropropane	12.994	75	158815m	46.711	ug/l	
77) Bromobenzene	12.982	156	137168	57.400	ug/l	95
78) n-propylbenzene	13.035	91	671600	53.036	ug/l	99
79) 2-Chlorotoluene	13.123	91	402792	53.039	ug/l	97
80) 1,3,5-Trimethylbenzene	13.170	105	465579	54.118	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.735	75	73074m	49.475	ug/l	
82) 4-Chlorotoluene	13.223	91	415939	54.130	ug/l	99
83) tert-Butylbenzene	13.435	119	398695	50.628	ug/l	99
84) 1,2,4-Trimethylbenzene	13.482	105	472628	54.786	ug/l	100
85) sec-Butylbenzene	13.612	105	574896	50.270	ug/l	100
86) p-Isopropyltoluene	13.729	119	487055	51.521	ug/l	98
87) 1,3-Dichlorobenzene	13.735	146	263818	56.112	ug/l	99
88) 1,4-Dichlorobenzene	13.812	146	266217	55.537	ug/l	100
89) n-Butylbenzene	14.053	91	432803	47.266	ug/l	99
90) Hexachloroethane	14.329	117	81390	50.792	ug/l	99
91) 1,2-Dichlorobenzene	14.106	146	249261	55.182	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	41640	49.323	ug/l	94
93) 1,2,4-Trichlorobenzene	15.388	180	144014	49.928	ug/l	99
94) Hexachlorobutadiene	15.500	225	43928	40.877	ug/l	99
95) Naphthalene	15.635	128	566130	52.730	ug/l	99
96) 1,2,3-Trichlorobenzene	15.835	180	136928	47.780	ug/l	98

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

