

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN052725\
 Data File : VN086776.D
 Acq On : 27 May 2025 11:22
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/29/2025
 Supervised By : Mahesh Dadoda 05/29/2025

Quant Time: May 29 01:44:12 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051625W.M
 Quant Title : SW846 8260
 QLast Update : Sat May 17 00:46:13 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	216254	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	390983	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	354770	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	169810	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	138687	46.411	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	92.820%		
35) Dibromofluoromethane	8.165	113	117233	50.348	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	100.700%		
50) Toluene-d8	10.565	98	474026	49.126	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	98.260%		
62) 4-Bromofluorobenzene	12.847	95	175483	51.505	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	103.000%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.124	85	109305	46.804	ug/l	100
3) Chloromethane	2.359	50	155507	44.024	ug/l	97
4) Vinyl Chloride	2.512	62	138904	43.786	ug/l	97
5) Bromomethane	2.948	94	80997	44.290	ug/l	95
6) Chloroethane	3.112	64	90631	43.611	ug/l	94
7) Trichlorofluoromethane	3.501	101	171642	45.275	ug/l	98
8) Diethyl Ether	3.953	74	85875	54.832	ug/l	93
9) 1,1,2-Trichlorotrifluo...	4.371	101	107439	47.338	ug/l	96
10) Methyl Iodide	4.589	142	136090	48.204	ug/l	97
11) Tert butyl alcohol	5.506	59	119356	219.311	ug/l	100
12) 1,1-Dichloroethene	4.342	96	112635	46.697	ug/l	98
13) Acrolein	4.171	56	166862	286.805	ug/l	98
14) Allyl chloride	5.018	41	170752	46.770	ug/l	93
15) Acrylonitrile	5.718	53	327502	243.043	ug/l	99
16) Acetone	4.424	43	235315	210.517	ug/l	93
17) Carbon Disulfide	4.712	76	307849	46.098	ug/l	99
18) Methyl Acetate	5.018	43	139382	44.551	ug/l	96
19) Methyl tert-butyl Ether	5.789	73	436368	53.132	ug/l	99
20) Methylene Chloride	5.271	84	142137	48.186	ug/l	97
21) trans-1,2-Dichloroethene	5.783	96	123826	48.555	ug/l	97
22) Diisopropyl ether	6.665	45	404205	49.075	ug/l	95
23) Vinyl Acetate	6.594	43	1486315	240.106	ug/l	98
24) 1,1-Dichloroethane	6.565	63	232995	48.181	ug/l	100
25) 2-Butanone	7.477	43	389090	225.258	ug/l	95
26) 2,2-Dichloropropane	7.483	77	192728	48.294	ug/l	98
27) cis-1,2-Dichloroethene	7.483	96	156810	50.095	ug/l	98
28) Bromochloromethane	7.812	49	108504	49.385	ug/l	89
29) Tetrahydrofuran	7.836	42	255410	226.539	ug/l	95
30) Chloroform	7.965	83	233591	48.261	ug/l	96
31) Cyclohexane	8.247	56	184253	41.083	ug/l	100
32) 1,1,1-Trichloroethane	8.165	97	187839	46.030	ug/l	96
36) 1,1-Dichloropropene	8.365	75	160369	46.692	ug/l	99
37) Ethyl Acetate	7.559	43	155133	44.714	ug/l	98
38) Carbon Tetrachloride	8.353	117	159915	47.255	ug/l	98
39) Methylcyclohexane	9.600	83	177883	47.853	ug/l	96
40) Benzene	8.606	78	555322	49.564	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.771	41	87707	46.821	ug/l	94
42) 1,2-Dichloroethane	8.665	62	169037	48.426	ug/l	97
43) Isopropyl Acetate	8.683	43	275166	39.563	ug/l	94
44) Trichloroethene	9.347	130	140484	51.985	ug/l	98
45) 1,2-Dichloropropane	9.618	63	134969	50.709	ug/l	97
46) Dibromomethane	9.706	93	91927	51.185	ug/l	97
47) Bromodichloromethane	9.883	83	189881	51.313	ug/l	97
48) Methyl methacrylate	9.677	41	125618	46.609	ug/l	92
49) 1,4-Dioxane	9.688	88	55577	973.861	ug/l #	96
51) 4-Methyl-2-Pentanone	10.441	43	794169	226.425	ug/l	95
52) Toluene	10.624	92	348639	50.065	ug/l	98
53) t-1,3-Dichloropropene	10.829	75	211855	54.073	ug/l	99
54) cis-1,3-Dichloropropene	10.306	75	230653	53.930	ug/l	94
55) 1,1,2-Trichloroethane	11.012	97	131619	50.668	ug/l	97
56) Ethyl methacrylate	10.871	69	220398	52.843	ug/l	92
57) 1,3-Dichloropropane	11.159	76	228455	51.050	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.159	63	498168	267.251	ug/l	97
59) 2-Hexanone	11.194	43	579242	226.150	ug/l	95
60) Dibromochloromethane	11.353	129	150184	55.167	ug/l	99
61) 1,2-Dibromoethane	11.465	107	133435	51.117	ug/l	100
64) Tetrachloroethene	11.100	164	144636	53.220	ug/l	96
65) Chlorobenzene	11.888	112	393409	50.570	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.959	131	132846	52.897	ug/l	100
67) Ethyl Benzene	11.959	91	643079	48.261	ug/l	99
68) m/p-Xylenes	12.071	106	512962	101.637	ug/l	97
69) o-Xylene	12.394	106	254295	50.680	ug/l	99
70) Styrene	12.406	104	430158	52.363	ug/l	99
71) Bromoform	12.576	173	99395	55.650	ug/l #	98
73) Isopropylbenzene	12.694	105	585687	44.657	ug/l	99
74) N-amyl acetate	12.488	43	227536	41.524	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.935	83	171992	42.686	ug/l	99
76) 1,2,3-Trichloropropane	12.988	75	188728m	49.143	ug/l	
77) Bromobenzene	12.976	156	154467	46.821	ug/l	95
78) n-propylbenzene	13.029	91	683300	45.399	ug/l	99
79) 2-Chlorotoluene	13.123	91	446078	45.582	ug/l	99
80) 1,3,5-Trimethylbenzene	13.171	105	497517	47.348	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.735	75	76622	50.351	ug/l	89
82) 4-Chlorotoluene	13.218	91	451754	46.594	ug/l	99
83) tert-Butylbenzene	13.435	119	417146	45.523	ug/l	98
84) 1,2,4-Trimethylbenzene	13.476	105	513077	49.034	ug/l	99
85) sec-Butylbenzene	13.612	105	580257	47.225	ug/l	100
86) p-Isopropyltoluene	13.723	119	502424	49.886	ug/l	99
87) 1,3-Dichlorobenzene	13.729	146	290492	50.849	ug/l	99
88) 1,4-Dichlorobenzene	13.806	146	293122	51.786	ug/l	98
89) n-Butylbenzene	14.053	91	422486	50.601	ug/l	99
90) Hexachloroethane	14.329	117	81019	48.484	ug/l	95
91) 1,2-Dichlorobenzene	14.100	146	282732	52.033	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	32525	48.728	ug/l	93
93) 1,2,4-Trichlorobenzene	15.388	180	136619	59.565	ug/l	100
94) Hexachlorobutadiene	15.494	225	51984	54.627	ug/l	98
95) Naphthalene	15.635	128	436358	54.792	ug/l	100
96) 1,2,3-Trichlorobenzene	15.835	180	126293	56.227	ug/l	99

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

