

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050625\
 Data File : VN086504.D
 Acq On : 06 May 2025 10:35
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/07/2025
 Supervised By : Mahesh Dadoda 05/07/2025

Quant Time: May 07 02:53:35 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 16 04:19:23 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	186971	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.094	114	338775	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.859	117	314072	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	155373	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	130550	48.151	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	96.300%		
35) Dibromofluoromethane	8.165	113	84639	53.831	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	107.660%		
50) Toluene-d8	10.565	98	399114	47.496	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	95.000%		
62) 4-Bromofluorobenzene	12.847	95	155922	50.872	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	101.740%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.124	85	96414	43.500	ug/l	98
3) Chloromethane	2.360	50	128807	39.987	ug/l	96
4) Vinyl Chloride	2.512	62	122759	39.936	ug/l	98
5) Bromomethane	2.954	94	75110	54.322	ug/l	96
6) Chloroethane	3.118	64	84296	40.974	ug/l	99
7) Trichlorofluoromethane	3.501	101	160328	47.087	ug/l	99
8) Diethyl Ether	3.959	74	73202	49.246	ug/l	88
9) 1,1,2-Trichlorotrifluo...	4.371	101	97567	47.367	ug/l	97
10) Methyl Iodide	4.583	142	128968	56.950	ug/l	98
11) Tert butyl alcohol	5.512	59	113258	228.947	ug/l	100
12) 1,1-Dichloroethene	4.342	96	97515	44.312	ug/l	99
13) Acrolein	4.177	56	67136	293.679	ug/l	96
14) Allyl chloride	5.024	41	153180	39.156	ug/l	93
15) Acrylonitrile	5.712	53	287153	234.814	ug/l	99
16) Acetone	4.424	43	229166	244.342	ug/l	99
17) Carbon Disulfide	4.712	76	255907	38.837	ug/l	98
18) Methyl Acetate	5.018	43	135966	41.778	ug/l	96
19) Methyl tert-butyl Ether	5.795	73	404824	50.044	ug/l	98
20) Methylene Chloride	5.271	84	123698	49.351	ug/l	94
21) trans-1,2-Dichloroethene	5.783	96	110590	48.068	ug/l	91
22) Diisopropyl ether	6.671	45	385514	45.301	ug/l	97
23) Vinyl Acetate	6.600	43	1390916	233.806	ug/l	97
24) 1,1-Dichloroethane	6.565	63	208432	46.419	ug/l	99
25) 2-Butanone	7.477	43	378939	224.541	ug/l	96
26) 2,2-Dichloropropane	7.489	77	187192	46.561	ug/l	99
27) cis-1,2-Dichloroethene	7.483	96	144092	50.460	ug/l	93
28) Bromochloromethane	7.812	49	81811	42.971	ug/l	86
29) Tetrahydrofuran	7.836	42	249166	220.791	ug/l	94
30) Chloroform	7.959	83	221894	50.306	ug/l	99
31) Cyclohexane	8.253	56	171927	39.129	ug/l	94
32) 1,1,1-Trichloroethane	8.165	97	181942	48.218	ug/l	99
36) 1,1-Dichloropropene	8.371	75	147497	46.967	ug/l	98
37) Ethyl Acetate	7.553	43	152654	46.172	ug/l	99
38) Carbon Tetrachloride	8.359	117	151505	50.659	ug/l	99
39) Methylcyclohexane	9.594	83	167497	44.873	ug/l	98
40) Benzene	8.600	78	495357	49.232	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.771	41	88517	46.194	ug/l	96
42) 1,2-Dichloroethane	8.665	62	173196	53.978	ug/l	100
43) Isopropyl Acetate	8.683	43	281871	47.497	ug/l	96
44) Trichloroethene	9.347	130	128400	53.841	ug/l	95
45) 1,2-Dichloropropane	9.618	63	121835	49.467	ug/l	99
46) Dibromomethane	9.706	93	88683	56.513	ug/l	96
47) Bromodichloromethane	9.883	83	183659	54.188	ug/l	97
48) Methyl methacrylate	9.677	41	132393	45.599	ug/l	94
49) 1,4-Dioxane	9.694	88	51227	1037.266	ug/l	93
51) 4-Methyl-2-Pentanone	10.441	43	813318	240.230	ug/l	98
52) Toluene	10.630	92	323020	51.451	ug/l	100
53) t-1,3-Dichloropropene	10.835	75	200053	52.877	ug/l	98
54) cis-1,3-Dichloropropene	10.306	75	212799	51.209	ug/l	98
55) 1,1,2-Trichloroethane	11.012	97	122629	54.288	ug/l	96
56) Ethyl methacrylate	10.871	69	210673	50.739	ug/l	97
57) 1,3-Dichloropropane	11.159	76	210645	52.560	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.153	63	422017	214.142	ug/l	96
59) 2-Hexanone	11.194	43	597003	237.737	ug/l	98
60) Dibromochloromethane	11.353	129	141817	57.174	ug/l	99
61) 1,2-Dibromoethane	11.465	107	127362	55.879	ug/l	99
64) Tetrachloroethene	11.100	164	130234	53.908	ug/l	98
65) Chlorobenzene	11.888	112	361793	51.618	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.959	131	123598	53.454	ug/l	99
67) Ethyl Benzene	11.959	91	622129	49.188	ug/l	100
68) m/p-Xylenes	12.065	106	478687	101.007	ug/l	97
69) o-Xylene	12.394	106	239320	51.063	ug/l	97
70) Styrene	12.406	104	412138	52.777	ug/l	99
71) Bromoform	12.576	173	96103	55.203	ug/l #	99
73) Isopropylbenzene	12.688	105	579388	45.586	ug/l	99
74) N-amyl acetate	12.488	43	252471	39.902	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.935	83	168619	46.141	ug/l	98
76) 1,2,3-Trichloropropane	12.988	75	164079m	44.750	ug/l	
77) Bromobenzene	12.976	156	149126	52.953	ug/l	90
78) n-propylbenzene	13.029	91	680807	45.457	ug/l	99
79) 2-Chlorotoluene	13.124	91	438870	46.829	ug/l	98
80) 1,3,5-Trimethylbenzene	13.171	105	485554	46.676	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.735	75	75202	49.258	ug/l	87
82) 4-Chlorotoluene	13.218	91	445950	47.903	ug/l	98
83) tert-Butylbenzene	13.435	119	410708	45.565	ug/l	98
84) 1,2,4-Trimethylbenzene	13.476	105	502742	47.478	ug/l	100
85) sec-Butylbenzene	13.612	105	569846	45.578	ug/l	98
86) p-Isopropyltoluene	13.723	119	490968	47.642	ug/l	99
87) 1,3-Dichlorobenzene	13.729	146	275607	52.061	ug/l	98
88) 1,4-Dichlorobenzene	13.806	146	279296	52.379	ug/l	98
89) n-Butylbenzene	14.053	91	419349	45.909	ug/l	99
90) Hexachloroethane	14.329	117	79373	45.790	ug/l	95
91) 1,2-Dichlorobenzene	14.100	146	267864	52.188	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.718	75	33271	45.153	ug/l	94
93) 1,2,4-Trichlorobenzene	15.388	180	126722	51.561	ug/l	98
94) Hexachlorobutadiene	15.494	225	44262	47.708	ug/l	99
95) Naphthalene	15.635	128	419212	48.117	ug/l	99
96) 1,2,3-Trichlorobenzene	15.835	180	119191	51.224	ug/l	99

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

