

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061925\
 Data File : VN087100.D
 Acq On : 19 Jun 2025 09:31
 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 06/20/2025
 Supervised By : Mahesh Dadoda 06/21/2025

Quant Time: Jun 20 01:19:29 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	8.229	168	157053	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	278046	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	245271	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	126484	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	94849	45.107	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	90.220%		
35) Dibromofluoromethane	8.171	113	82354	49.979	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	99.960%		
50) Toluene-d8	10.565	98	304189	46.633	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	93.260%		
62) 4-Bromofluorobenzene	12.847	95	114266	47.149	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	94.300%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	2.153	85	91821	58.637	ug/l	99
3) Chloromethane	2.395	50	99602	49.257	ug/l	98
4) Vinyl Chloride	2.553	62	128030	61.379	ug/l	98
5) Bromomethane	2.995	94	63194	54.137	ug/l	96
6) Chloroethane	3.153	64	79682	59.139	ug/l	96
7) Trichlorofluoromethane	3.530	101	159307	58.455	ug/l	98
8) Diethyl Ether	3.983	74	66903	56.344	ug/l	95
9) 1,1,2-Trichlorotrifluo...	4.400	101	99010	57.825	ug/l	98
10) Methyl Iodide	4.606	142	79070	35.624	ug/l #	91
11) Tert butyl alcohol	5.536	59	132196	231.693	ug/l	99
12) 1,1-Dichloroethene	4.371	96	102722	58.764	ug/l	94
13) Acrolein	4.200	56	75576	418.463	ug/l	99
14) Allyl chloride	5.047	41	149234	51.477	ug/l	95
15) Acrylonitrile	5.736	53	351875	263.851	ug/l	100
16) Acetone	4.441	43	285191	255.751	ug/l	100
17) Carbon Disulfide	4.736	76	296271	61.273	ug/l	98
18) Methyl Acetate	5.047	43	148831	45.799	ug/l	97
19) Methyl tert-butyl Ether	5.818	73	347549	54.911	ug/l	98
20) Methylene Chloride	5.300	84	115852	55.493	ug/l	97
21) trans-1,2-Dichloroethene	5.806	96	110371	56.750	ug/l	96
22) Diisopropyl ether	6.683	45	321446	52.602	ug/l	95
23) Vinyl Acetate	6.618	43	1411385	273.362	ug/l	98
24) 1,1-Dichloroethane	6.583	63	198785	56.526	ug/l	99
25) 2-Butanone	7.488	43	441572	243.615	ug/l	97
26) 2,2-Dichloropropane	7.500	77	171090	62.543	ug/l	100
27) cis-1,2-Dichloroethene	7.500	96	131103	56.366	ug/l	99
28) Bromochloromethane	7.824	49	81165	46.941	ug/l	94
29) Tetrahydrofuran	7.847	42	289933	245.546	ug/l	95
30) Chloroform	7.971	83	195599	55.695	ug/l	100
31) Cyclohexane	8.265	56	176136	51.646	ug/l	96
32) 1,1,1-Trichloroethane	8.177	97	169121	56.618	ug/l	99
36) 1,1-Dichloropropene	8.377	75	145323	59.187	ug/l	99
37) Ethyl Acetate	7.565	43	165466	52.938	ug/l	98
38) Carbon Tetrachloride	8.371	117	142286	59.026	ug/l	99
39) Methylcyclohexane	9.606	83	166872	49.607	ug/l	97
40) Benzene	8.612	78	460485	57.353	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.782	41	89696	51.098	ug/l	93
42) 1,2-Dichloroethane	8.677	62	137283	56.372	ug/l	99
43) Isopropyl Acetate	8.694	43	255218	50.874	ug/l	96
44) Trichloroethene	9.353	130	112240	58.955	ug/l	99
45) 1,2-Dichloropropane	9.624	63	111438	57.050	ug/l	99
46) Dibromomethane	9.712	93	76751	59.155	ug/l	99
47) Bromodichloromethane	9.888	83	152931	57.289	ug/l	98
48) Methyl methacrylate	9.682	41	117229	50.770	ug/l	95
49) 1,4-Dioxane	9.700	88	43879	1044.593	ug/l #	99
51) 4-Methyl-2-Pentanone	10.447	43	805255	266.633	ug/l	98
52) Toluene	10.629	92	284384	57.958	ug/l	99
53) t-1,3-Dichloropropene	10.835	75	174988	58.623	ug/l	96
54) cis-1,3-Dichloropropene	10.312	75	185041	57.936	ug/l	98
55) 1,1,2-Trichloroethane	11.018	97	107940	57.171	ug/l	99
56) Ethyl methacrylate	10.876	69	176425	58.668	ug/l	94
57) 1,3-Dichloropropane	11.165	76	186250	56.867	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.159	63	511071	284.937	ug/l	99
59) 2-Hexanone	11.200	43	532387	273.673	ug/l	94
60) Dibromochloromethane	11.359	129	117206	59.583	ug/l	99
61) 1,2-Dibromoethane	11.470	107	110430	57.064	ug/l	99
64) Tetrachloroethene	11.106	164	87272	56.223	ug/l	96
65) Chlorobenzene	11.888	112	310675	57.431	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.959	131	101699	58.485	ug/l	99
67) Ethyl Benzene	11.965	91	524965	56.340	ug/l	99
68) m/p-Xylenes	12.070	106	417726	117.113	ug/l	98
69) o-Xylene	12.394	106	198006	57.962	ug/l	96
70) Styrene	12.412	104	342586	58.606	ug/l	99
71) Bromoform	12.576	173	78941	61.270	ug/l #	99
73) Isopropylbenzene	12.694	105	490532	53.235	ug/l	100
74) N-amyl acetate	12.512	43	146899	45.622	ug/l #	93
75) 1,1,2,2-Tetrachloroethane	12.935	83	169825	54.402	ug/l	100
76) 1,2,3-Trichloropropane	12.994	75	141322m	47.004	ug/l	
77) Bromobenzene	12.976	156	119991	56.782	ug/l	96
78) n-propylbenzene	13.035	91	586015	52.332	ug/l	98
79) 2-Chlorotoluene	13.123	91	352946	52.556	ug/l	98
80) 1,3,5-Trimethylbenzene	13.170	105	407528	53.568	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.735	75	65431	50.097	ug/l	98
82) 4-Chlorotoluene	13.217	91	364837	53.692	ug/l	99
83) tert-Butylbenzene	13.435	119	343353	49.305	ug/l	100
84) 1,2,4-Trimethylbenzene	13.482	105	409813	53.720	ug/l	100
85) sec-Butylbenzene	13.611	105	492411	48.691	ug/l	99
86) p-Isopropyltoluene	13.729	119	414725	49.610	ug/l	99
87) 1,3-Dichlorobenzene	13.729	146	232408	55.899	ug/l	98
88) 1,4-Dichlorobenzene	13.811	146	231597	54.637	ug/l	100
89) n-Butylbenzene	14.053	91	365013	45.078	ug/l	99
90) Hexachloroethane	14.329	117	74155	52.332	ug/l	98
91) 1,2-Dichlorobenzene	14.106	146	220753	55.265	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	37254	49.901	ug/l	97
93) 1,2,4-Trichlorobenzene	15.388	180	120236	47.138	ug/l	100
94) Hexachlorobutadiene	15.500	225	33782	35.548	ug/l	99
95) Naphthalene	15.635	128	475311	50.063	ug/l	100
96) 1,2,3-Trichlorobenzene	15.835	180	114676	45.251	ug/l	99

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

