

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN070325\
 Data File : VN087260.D
 Acq On : 03 Jul 2025 10:50
 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 07/07/2025
 Supervised By : Mahesh Dadoda 07/07/2025

Quant Time: Jul 04 01:26:22 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N063025W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 01 03:15:00 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.229	168	241822	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	395302	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	360882	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	212674	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	142673	47.009	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	94.020%		
35) Dibromofluoromethane	8.177	113	122291	48.314	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	96.620%		
50) Toluene-d8	10.565	98	462244	46.853	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	93.700%		
62) 4-Bromofluorobenzene	12.847	95	165497	47.145	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	94.300%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.153	85	123823	52.616	ug/l	99
3) Chloromethane	2.395	50	94768	49.592	ug/l	99
4) Vinyl Chloride	2.553	62	117593	50.053	ug/l	97
5) Bromomethane	2.983	94	93525	43.624	ug/l	96
6) Chloroethane	3.153	64	90597	48.684	ug/l	94
7) Trichlorofluoromethane	3.530	101	205322	50.365	ug/l	100
8) Diethyl Ether	3.983	74	66504	51.118	ug/l	97
9) 1,1,2-Trichlorotrifluo...	4.400	101	123977	52.380	ug/l	98
10) Methyl Iodide	4.612	142	119835	51.024	ug/l	97
11) Tert butyl alcohol	5.536	59	122630	221.703	ug/l	99
12) 1,1-Dichloroethene	4.365	96	113248	50.364	ug/l	95
13) Acrolein	4.200	56	145578	379.997	ug/l	97
14) Allyl chloride	5.047	41	135483	49.163	ug/l	97
15) Acrylonitrile	5.736	53	325410	236.310	ug/l	100
16) Acetone	4.441	43	296014	255.112	ug/l	99
17) Carbon Disulfide	4.741	76	322314	47.776	ug/l	97
18) Methyl Acetate	5.041	43	130970	49.305	ug/l	100
19) Methyl tert-butyl Ether	5.818	73	388865	49.344	ug/l	97
20) Methylene Chloride	5.300	84	126043	49.036	ug/l	97
21) trans-1,2-Dichloroethene	5.800	96	130947	48.194	ug/l	96
22) Diisopropyl ether	6.683	45	322358	48.857	ug/l	98
23) Vinyl Acetate	6.618	43	1478093	242.229	ug/l	100
24) 1,1-Dichloroethane	6.583	63	214333	49.580	ug/l	97
25) 2-Butanone	7.488	43	439111	242.160	ug/l	99
26) 2,2-Dichloropropane	7.500	77	208056	50.295	ug/l	100
27) cis-1,2-Dichloroethene	7.494	96	154178	49.135	ug/l	99
28) Bromochloromethane	7.824	49	99570	52.182	ug/l	98
29) Tetrahydrofuran	7.847	42	282403	241.682	ug/l	99
30) Chloroform	7.971	83	238702	49.817	ug/l	94
31) Cyclohexane	8.265	56	189075	45.744	ug/l	95
32) 1,1,1-Trichloroethane	8.177	97	220212	49.349	ug/l	99
36) 1,1-Dichloropropene	8.377	75	169674	49.294	ug/l	99
37) Ethyl Acetate	7.571	43	172482	46.614	ug/l	100
38) Carbon Tetrachloride	8.371	117	203353	52.138	ug/l	98
39) Methylcyclohexane	9.606	83	201915	49.258	ug/l	97
40) Benzene	8.612	78	521090	48.865	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.782	41	84782	47.922	ug/l	98
42) 1,2-Dichloroethane	8.677	62	175243	49.415	ug/l	98
43) Isopropyl Acetate	8.688	43	275035	47.930	ug/l	99
44) Trichloroethene	9.353	130	138560	48.899	ug/l	96
45) 1,2-Dichloropropane	9.624	63	119125	51.235	ug/l	97
46) Dibromomethane	9.712	93	97742	49.415	ug/l	99
47) Bromodichloromethane	9.888	83	187813	49.786	ug/l	99
48) Methyl methacrylate	9.682	41	119521	49.420	ug/l	98
49) 1,4-Dioxane	9.700	88	47141	936.934	ug/l #	97
51) 4-Methyl-2-Pentanone	10.447	43	875395	249.333	ug/l	99
52) Toluene	10.629	92	349465	49.969	ug/l	99
53) t-1,3-Dichloropropene	10.835	75	199122	49.213	ug/l	99
54) cis-1,3-Dichloropropene	10.312	75	210099	50.965	ug/l	98
55) 1,1,2-Trichloroethane	11.018	97	128319	48.570	ug/l	97
56) Ethyl methacrylate	10.876	69	186190	48.103	ug/l	100
57) 1,3-Dichloropropane	11.165	76	215165	49.900	ug/l	96
58) 2-Chloroethyl Vinyl ether	10.159	63	476888	233.120	ug/l	99
59) 2-Hexanone	11.200	43	573527	228.051	ug/l	100
60) Dibromochloromethane	11.359	129	157653	50.622	ug/l	99
61) 1,2-Dibromoethane	11.470	107	141549	49.809	ug/l	99
64) Tetrachloroethene	11.106	164	123143	51.178	ug/l	98
65) Chlorobenzene	11.888	112	401268	49.554	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.959	131	141392	50.568	ug/l	99
67) Ethyl Benzene	11.965	91	661854	50.511	ug/l	98
68) m/p-Xylenes	12.070	106	557539	106.499	ug/l	97
69) o-Xylene	12.394	106	260984	53.293	ug/l	96
70) Styrene	12.412	104	449395	53.997	ug/l	100
71) Bromoform	12.576	173	114135	52.910	ug/l #	99
73) Isopropylbenzene	12.694	105	658568	48.059	ug/l	100
74) N-amyl acetate	12.517	43	161131	35.756	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.935	83	201266	44.652	ug/l	99
76) 1,2,3-Trichloropropane	12.994	75	174117m	43.043	ug/l	
77) Bromobenzene	12.976	156	171256	47.875	ug/l	97
78) n-propylbenzene	13.035	91	802210	48.464	ug/l	100
79) 2-Chlorotoluene	13.123	91	465158	47.218	ug/l	99
80) 1,3,5-Trimethylbenzene	13.170	105	568409	49.625	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.735	75	73821	42.865	ug/l	91
82) 4-Chlorotoluene	13.217	91	488403	47.361	ug/l	99
83) tert-Butylbenzene	13.435	119	487399	48.569	ug/l	99
84) 1,2,4-Trimethylbenzene	13.476	105	582698	50.784	ug/l	99
85) sec-Butylbenzene	13.611	105	711265	50.002	ug/l	100
86) p-Isopropyltoluene	13.729	119	621707	50.847	ug/l	99
87) 1,3-Dichlorobenzene	13.729	146	356334	50.020	ug/l	98
88) 1,4-Dichlorobenzene	13.811	146	351068	47.197	ug/l	100
89) n-Butylbenzene	14.053	91	523583	48.636	ug/l	99
90) Hexachloroethane	14.329	117	106516	47.064	ug/l	99
91) 1,2-Dichlorobenzene	14.106	146	326000	48.931	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.717	75	46431	42.864	ug/l	98
93) 1,2,4-Trichlorobenzene	15.388	180	180085	45.709	ug/l	98
94) Hexachlorobutadiene	15.494	225	51708	41.316	ug/l	97
95) Naphthalene	15.635	128	619507	45.449	ug/l	100
96) 1,2,3-Trichlorobenzene	15.835	180	178567	46.522	ug/l	99

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

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