

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062625\
 Data File : VN087203.D
 Acq On : 26 Jun 2025 18:39
 Operator : JC\MD
 Sample : VSTDICC150
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC150

Quant Time: Jun 27 05:23:33 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N062625W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 27 05:16:47 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 06/27/2025
 Supervised By : Mahesh Dadoda 06/27/2025

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

Internal Standards						
1) Pentafluorobenzene	8.230	168	203305	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	356025	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	328648	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	157677	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	425659	145.487	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 290.980%#			
35) Dibromofluoromethane	8.171	113	340683	148.011	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 296.020%#			
50) Toluene-d8	10.565	98	1344013	141.181	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 282.360%#			
62) 4-Bromofluorobenzene	12.847	95	481106	145.645	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 291.280%#			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.154	85	364471	143.062	ug/l	100
3) Chloromethane	2.395	50	361001	145.120	ug/l	95
4) Vinyl Chloride	2.554	62	410706	152.791	ug/l	99
5) Bromomethane	2.960	94	225196	156.106	ug/l	98
6) Chloroethane	3.142	64	194624	138.561	ug/l	99
7) Trichlorofluoromethane	3.524	101	460213	143.778	ug/l	94
8) Diethyl Ether	3.983	74	212441	149.205	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.395	101	328365	150.410	ug/l	99
10) Methyl Iodide	4.612	142	343483	172.363	ug/l	99
11) Tert butyl alcohol	5.542	59	445764	691.488	ug/l	100
12) 1,1-Dichloroethene	4.365	96	334423	140.224	ug/l	96
13) Acrolein	4.201	56	423063	795.957	ug/l	100
14) Allyl chloride	5.048	41	567503	150.452	ug/l	100
15) Acrylonitrile	5.736	53	1234801	750.930	ug/l	100
16) Acetone	4.442	43	973473	741.147	ug/l	98
17) Carbon Disulfide	4.736	76	967714	149.196	ug/l	99
18) Methyl Acetate	5.042	43	524005	150.460	ug/l	98
19) Methyl tert-butyl Ether	5.812	73	1245774	151.655	ug/l	98
20) Methylene Chloride	5.295	84	385319	155.113	ug/l	98
21) trans-1,2-Dichloroethene	5.801	96	380703	143.932	ug/l	93
22) Diisopropyl ether	6.683	45	1186861	139.747	ug/l	97
23) Vinyl Acetate	6.612	43	5362467	706.073	ug/l	98
24) 1,1-Dichloroethane	6.583	63	702081	139.967	ug/l	99
25) 2-Butanone	7.489	43	1631747	735.623	ug/l	99
26) 2,2-Dichloropropane	7.501	77	572380	143.551	ug/l	98
27) cis-1,2-Dichloroethene	7.495	96	456497	148.436	ug/l	97
28) Bromochloromethane	7.824	49	308237	139.784	ug/l	96
29) Tetrahydrofuran	7.848	42	1062259	730.410	ug/l	98
30) Chloroform	7.971	83	666428	140.851	ug/l	99
31) Cyclohexane	8.265	56	621955	137.311	ug/l	97
32) 1,1,1-Trichloroethane	8.171	97	573241	141.021	ug/l	95
36) 1,1-Dichloropropene	8.377	75	512975	152.153	ug/l	99
37) Ethyl Acetate	7.565	43	625496	148.562	ug/l	99
38) Carbon Tetrachloride	8.371	117	490767	149.464	ug/l	97
39) Methylcyclohexane	9.600	83	604337	146.918	ug/l	99
40) Benzene	8.612	78	1573911	151.089	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.783	41	339377	153.806	ug/l	98
42) 1,2-Dichloroethane	8.677	62	497391	146.874	ug/l	98
43) Isopropyl Acetate	8.689	43	959465	154.798	ug/l	98
44) Trichloroethene	9.353	130	347618	139.373	ug/l	99
45) 1,2-Dichloropropane	9.624	63	371334	138.294	ug/l	97
46) Dibromomethane	9.712	93	232019	127.508	ug/l	99
47) Bromodichloromethane	9.889	83	463803	126.912	ug/l	98
48) Methyl methacrylate	9.683	41	433941	144.807	ug/l	99
49) 1,4-Dioxane	9.706	88	114922	2998.429	ug/l #	95
51) 4-Methyl-2-Pentanone	10.447	43	2939166	753.465	ug/l	99
52) Toluene	10.630	92	951167	142.827	ug/l	100
53) t-1,3-Dichloropropene	10.836	75	602242	147.793	ug/l	99
54) cis-1,3-Dichloropropene	10.312	75	605305	139.609	ug/l	99
55) 1,1,2-Trichloroethane	11.018	97	348410	138.331	ug/l	99
56) Ethyl methacrylate	10.877	69	627769	148.985	ug/l	98
57) 1,3-Dichloropropane	11.165	76	623966	140.223	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.159	63	1654524	729.641	ug/l	98
59) 2-Hexanone	11.200	43	2093627	759.261	ug/l	97
60) Dibromochloromethane	11.359	129	395192	144.276	ug/l	100
61) 1,2-Dibromoethane	11.471	107	387229	145.445	ug/l	99
64) Tetrachloroethene	11.100	164	292171	145.252	ug/l	98
65) Chlorobenzene	11.889	112	1069785	146.754	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.959	131	347159	149.097	ug/l	99
67) Ethyl Benzene	11.959	91	1881023	154.721	ug/l	97
68) m/p-Xylenes	12.071	106	1448222	311.323	ug/l	99
69) o-Xylene	12.394	106	694497	164.232	ug/l	97
70) Styrene	12.406	104	1182536	162.922	ug/l	99
71) Bromoform	12.577	173	266847	154.424	ug/l #	99
73) Isopropylbenzene	12.694	105	1700504	159.311	ug/l	100
74) N-amyl acetate	12.500	43	633991	160.740	ug/l #	89
75) 1,1,2,2-Tetrachloroethane	12.935	83	560580	145.814	ug/l	99
76) 1,2,3-Trichloropropane	12.988	75	533099m	143.715	ug/l	
77) Bromobenzene	12.977	156	409121	157.709	ug/l	96
78) n-propylbenzene	13.035	91	2097413	159.536	ug/l	99
79) 2-Chlorotoluene	13.124	91	1236767	151.117	ug/l	100
80) 1,3,5-Trimethylbenzene	13.171	105	1408077	159.795	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.736	75	248661	158.641	ug/l	93
82) 4-Chlorotoluene	13.218	91	1286016	157.621	ug/l	100
83) tert-Butylbenzene	13.435	119	1217157	160.804	ug/l	99
84) 1,2,4-Trimethylbenzene	13.477	105	1428299	159.740	ug/l	100
85) sec-Butylbenzene	13.612	105	1754786	157.358	ug/l	100
86) p-Isopropyltoluene	13.724	119	1465605	160.244	ug/l	99
87) 1,3-Dichlorobenzene	13.730	146	783709	150.131	ug/l	99
88) 1,4-Dichlorobenzene	13.812	146	784117	146.093	ug/l	99
89) n-Butylbenzene	14.053	91	1308216	153.951	ug/l	99
90) Hexachloroethane	14.330	117	273430	154.485	ug/l	100
91) 1,2-Dichlorobenzene	14.100	146	742699	151.064	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.718	75	132445	150.917	ug/l	95
93) 1,2,4-Trichlorobenzene	15.388	180	435915	159.265	ug/l	100
94) Hexachlorobutadiene	15.494	225	132344	153.278	ug/l	98
95) Naphthalene	15.635	128	1752402	168.764	ug/l	100
96) 1,2,3-Trichlorobenzene	15.835	180	426838	157.945	ug/l	100

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

