

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN063025\
 Data File : VN087240.D
 Acq On : 30 Jun 2025 13:47
 Operator : JC\MD
 Sample : VSTDICC020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC020

Quant Time: Jul 01 02:52:27 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N063025W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 01 02:39:52 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 07/01/2025
 Supervised By : Mahesh Dadoda 07/01/2025

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

Internal Standards						
1) Pentafluorobenzene	8.230	168	129474	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	215181	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	199572	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	107199	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	30968	19.058	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	38.120%#		
35) Dibromofluoromethane	8.177	113	26051	18.907	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	37.820%#		
50) Toluene-d8	10.565	98	99006	18.435	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	36.880%#		
62) 4-Bromofluorobenzene	12.847	95	34669	18.143	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	36.280%#		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.153	85	24791	19.675	ug/l	88
3) Chloromethane	2.395	50	21348	20.865	ug/l	95
4) Vinyl Chloride	2.553	62	27189	21.615	ug/l	91
5) Bromomethane	2.983	94	23378	20.367	ug/l	96
6) Chloroethane	3.148	64	21961	22.041	ug/l	100
7) Trichlorofluoromethane	3.524	101	48454	22.199	ug/l	94
8) Diethyl Ether	3.983	74	16148	23.182	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.394	101	27634	21.806	ug/l	98
10) Methyl Iodide	4.612	142	24155	19.209	ug/l	96
11) Tert butyl alcohol	5.541	59	32352	109.242	ug/l	100
12) 1,1-Dichloroethene	4.365	96	26515	22.024	ug/l	96
13) Acrolein	4.200	56	19778	96.423	ug/l	96
14) Allyl chloride	5.047	41	32031	21.709	ug/l	99
15) Acrylonitrile	5.736	53	80075	108.836	ug/l	99
16) Acetone	4.447	43	67981	109.426	ug/l	100
17) Carbon Disulfide	4.736	76	77115	21.349	ug/l	99
18) Methyl Acetate	5.042	43	31895	22.426	ug/l	100
19) Methyl tert-butyl Ether	5.818	73	91072	21.584	ug/l	99
20) Methylene Chloride	5.300	84	30740	22.336	ug/l	95
21) trans-1,2-Dichloroethene	5.800	96	31057	21.349	ug/l	92
22) Diisopropyl ether	6.688	45	75186	21.283	ug/l	96
23) Vinyl Acetate	6.618	43	349770	107.058	ug/l	99
24) 1,1-Dichloroethane	6.588	63	50915	21.998	ug/l	99
25) 2-Butanone	7.494	43	105032	108.184	ug/l	96
26) 2,2-Dichloropropane	7.500	77	48007	21.675	ug/l	100
27) cis-1,2-Dichloroethene	7.494	96	36346	21.634	ug/l	98
28) Bromochloromethane	7.824	49	19872	19.451	ug/l	100
29) Tetrahydrofuran	7.841	42	67646	108.126	ug/l	99
30) Chloroform	7.977	83	57066	22.244	ug/l	97
31) Cyclohexane	8.265	56	45223	20.435	ug/l	94
32) 1,1,1-Trichloroethane	8.177	97	51476	21.545	ug/l	95
36) 1,1-Dichloropropene	8.377	75	40228	21.470	ug/l	98
37) Ethyl Acetate	7.571	43	42975	21.336	ug/l	98
38) Carbon Tetrachloride	8.365	117	45599	21.477	ug/l	97
39) Methylcyclohexane	9.606	83	46912	21.024	ug/l	97
40) Benzene	8.612	78	123421	21.262	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.783	41	19794	20.554	ug/l	97
42) 1,2-Dichloroethane	8.677	62	40449	20.953	ug/l	98
43) Isopropyl Acetate	8.694	43	65553	20.986	ug/l	99
44) Trichloroethene	9.359	130	33119	21.472	ug/l	97
45) 1,2-Dichloropropane	9.624	63	27644	21.842	ug/l	96
46) Dibromomethane	9.712	93	23348	21.685	ug/l	99
47) Bromodichloromethane	9.888	83	44885	21.858	ug/l	98
48) Methyl methacrylate	9.682	41	27798	21.115	ug/l	99
49) 1,4-Dioxane	9.706	88	11099	414.726	ug/l #	96
51) 4-Methyl-2-Pentanone	10.447	43	202677	106.049	ug/l	98
52) Toluene	10.629	92	79914	20.992	ug/l	97
53) t-1,3-Dichloropropene	10.835	75	46151	20.954	ug/l	97
54) cis-1,3-Dichloropropene	10.312	75	47974	21.379	ug/l	99
55) 1,1,2-Trichloroethane	11.018	97	30459	21.180	ug/l	98
56) Ethyl methacrylate	10.882	69	40675	19.305	ug/l	98
57) 1,3-Dichloropropane	11.165	76	49765	21.202	ug/l	95
58) 2-Chloroethyl Vinyl ether	10.159	63	110371	99.116	ug/l	99
59) 2-Hexanone	11.206	43	115536	86.145	ug/l	100
60) Dibromochloromethane	11.359	129	36186	21.345	ug/l	100
61) 1,2-Dibromoethane	11.471	107	33365	21.568	ug/l	98
64) Tetrachloroethene	11.106	164	28895	21.715	ug/l	93
65) Chlorobenzene	11.888	112	95342	21.291	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.959	131	33163	21.447	ug/l	100
67) Ethyl Benzene	11.965	91	155243	21.424	ug/l	100
68) m/p-Xylenes	12.070	106	124779	43.100	ug/l	98
69) o-Xylene	12.394	106	57624	21.278	ug/l	99
70) Styrene	12.412	104	100395	21.813	ug/l	99
71) Bromoform	12.576	173	25584	21.446	ug/l #	99
73) Isopropylbenzene	12.694	105	149781	21.685	ug/l	100
74) N-amyl acetate	12.535	43	45817m	19.608	ug/l	
75) 1,1,2,2-Tetrachloroethane	12.935	83	48773	21.467	ug/l	100
76) 1,2,3-Trichloropropane	12.994	75	47922m	23.309	ug/l	
77) Bromobenzene	12.976	156	38968	21.612	ug/l	99
78) n-propylbenzene	13.035	91	177391	21.261	ug/l	100
79) 2-Chlorotoluene	13.123	91	105000	21.146	ug/l	100
80) 1,3,5-Trimethylbenzene	13.170	105	124148	21.503	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.735	75	16836	19.395	ug/l	95
82) 4-Chlorotoluene	13.217	91	110348	21.229	ug/l	99
83) tert-Butylbenzene	13.435	119	107641	21.280	ug/l	99
84) 1,2,4-Trimethylbenzene	13.482	105	127331	22.016	ug/l	100
85) sec-Butylbenzene	13.612	105	156100	21.771	ug/l	99
86) p-Isopropyltoluene	13.729	119	135402	21.970	ug/l	99
87) 1,3-Dichlorobenzene	13.729	146	76707	21.362	ug/l	99
88) 1,4-Dichlorobenzene	13.812	146	80130	21.372	ug/l	98
89) n-Butylbenzene	14.053	91	114151	21.037	ug/l	99
90) Hexachloroethane	14.329	117	23512	20.610	ug/l	99
91) 1,2-Dichlorobenzene	14.106	146	73748	21.960	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	11129	20.383	ug/l	98
93) 1,2,4-Trichlorobenzene	15.388	180	42544	21.423	ug/l	99
94) Hexachlorobutadiene	15.494	225	13314	21.105	ug/l	97
95) Naphthalene	15.641	128	143171	20.838	ug/l	100
96) 1,2,3-Trichlorobenzene	15.835	180	41451	21.425	ug/l	99

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

