

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102825\
 Data File : VN088145.D
 Acq On : 28 Oct 2025 17:06
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 10/29/2025
 Supervised By : Semsettin Yesilyurt 10/29/2025

Quant Time: Oct 29 02:29:15 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102325W.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 25 00:15:22 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.206	168	341596	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	622789	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.841	117	541419	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	275555	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	293756	49.731	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	99.460%		
35) Dibromofluoromethane	8.147	113	202178	48.322	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	96.640%		
50) Toluene-d8	10.547	98	754821	46.821	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	93.640%		
62) 4-Bromofluorobenzene	12.823	95	281684	49.475	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	98.940%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.142	85	187204	48.584	ug/l	100
3) Chloromethane	2.383	50	193619	42.712	ug/l	98
4) Vinyl Chloride	2.536	62	233214	47.217	ug/l	97
5) Bromomethane	2.971	94	120269	40.710	ug/l	97
6) Chloroethane	3.136	64	150029	42.159	ug/l	98
7) Trichlorofluoromethane	3.512	101	357576	45.390	ug/l	99
8) Diethyl Ether	3.965	74	132899	45.391	ug/l	97
9) 1,1,2-Trichlorotrifluo...	4.365	101	196040	48.226	ug/l	98
10) Methyl Iodide	4.583	142	157741	40.245	ug/l	97
11) Tert butyl alcohol	5.524	59	235260	231.184	ug/l	99
12) 1,1-Dichloroethene	4.336	96	187906	43.765	ug/l	92
13) Acrolein	4.177	56	374008	326.742	ug/l	100
14) Allyl chloride	5.012	41	352751	46.874	ug/l	96
15) Acrylonitrile	5.706	53	672412	242.575	ug/l	99
16) Acetone	4.424	43	648506	218.533	ug/l	99
17) Carbon Disulfide	4.706	76	568597	43.566	ug/l	98
18) Methyl Acetate	5.018	43	306623	50.470	ug/l	99
19) Methyl tert-butyl Ether	5.783	73	766200	48.593	ug/l	98
20) Methylene Chloride	5.271	84	225440	48.827	ug/l	97
21) trans-1,2-Dichloroethene	5.771	96	213473	45.297	ug/l	97
22) Diisopropyl ether	6.659	45	783398	49.499	ug/l	98
23) Vinyl Acetate	6.588	43	3609083	253.158	ug/l	98
24) 1,1-Dichloroethane	6.553	63	429540	48.996	ug/l	97
25) 2-Butanone	7.471	43	951041	243.184	ug/l	97
26) 2,2-Dichloropropane	7.477	77	370434	46.496	ug/l	98
27) cis-1,2-Dichloroethene	7.471	96	255892	47.166	ug/l	95
28) Bromochloromethane	7.794	49	187144	45.178	ug/l	98
29) Tetrahydrofuran	7.824	42	609946	239.319	ug/l	99
30) Chloroform	7.947	83	428058	48.875	ug/l	98
31) Cyclohexane	8.241	56	388974	47.043	ug/l	98
32) 1,1,1-Trichloroethane	8.147	97	381386	48.892	ug/l	98
36) 1,1-Dichloropropene	8.353	75	315178	51.592	ug/l	99
37) Ethyl Acetate	7.547	43	390856	49.579	ug/l	98
38) Carbon Tetrachloride	8.347	117	321287	50.920	ug/l	98
39) Methylcyclohexane	9.576	83	387414	49.337	ug/l	99
40) Benzene	8.588	78	904169	48.599	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.765	41	206768	49.833	ug/l	99
42) 1,2-Dichloroethane	8.653	62	353002	53.400	ug/l	98
43) Isopropyl Acetate	8.671	43	620937	51.258	ug/l	98
44) Trichloroethene	9.335	130	209432	48.160	ug/l	100
45) 1,2-Dichloropropane	9.600	63	236583	50.370	ug/l	98
46) Dibromomethane	9.688	93	168362	50.259	ug/l	99
47) Bromodichloromethane	9.865	83	340400	50.754	ug/l	97
48) Methyl methacrylate	9.665	41	296201	52.961	ug/l	100
49) 1,4-Dioxane	9.676	88	66695	958.809	ug/l #	95
51) 4-Methyl-2-Pentanone	10.424	43	1888971	263.583	ug/l	100
52) Toluene	10.606	92	565319	49.284	ug/l	98
53) t-1,3-Dichloropropene	10.818	75	363648	50.944	ug/l	98
54) cis-1,3-Dichloropropene	10.294	75	387360	51.139	ug/l	99
55) 1,1,2-Trichloroethane	10.994	97	211366	48.569	ug/l	97
56) Ethyl methacrylate	10.853	69	369474	53.650	ug/l	98
57) 1,3-Dichloropropane	11.141	76	383708	50.163	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.141	63	1030178	287.581	ug/l	100
59) 2-Hexanone	11.176	43	1283483	269.974	ug/l	99
60) Dibromochloromethane	11.335	129	241293	48.782	ug/l	98
61) 1,2-Dibromoethane	11.447	107	221307	49.413	ug/l	99
64) Tetrachloroethene	11.082	164	172510	48.305	ug/l	96
65) Chlorobenzene	11.870	112	601433	48.921	ug/l	94
66) 1,1,1,2-Tetrachloroethane	11.935	131	203410	50.502	ug/l	99
67) Ethyl Benzene	11.941	91	1106669	51.283	ug/l	100
68) m/p-Xylenes	12.047	106	828815	102.506	ug/l	99
69) o-Xylene	12.376	106	391095	51.025	ug/l	98
70) Styrene	12.388	104	668213	53.462	ug/l	97
71) Bromoform	12.559	173	154081	51.261	ug/l #	97
73) Isopropylbenzene	12.670	105	1051586	49.480	ug/l	100
74) N-amyl acetate	12.500	43	254341	42.157	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.917	83	321059	48.523	ug/l	100
76) 1,2,3-Trichloropropane	12.970	75	306833m	48.703	ug/l	
77) Bromobenzene	12.959	156	230150	50.219	ug/l	96
78) n-propylbenzene	13.012	91	1310813	50.541	ug/l	100
79) 2-Chlorotoluene	13.100	91	770312	52.081	ug/l	97
80) 1,3,5-Trimethylbenzene	13.153	105	904851	51.265	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.717	75	101621	44.996	ug/l	96
82) 4-Chlorotoluene	13.200	91	794390	49.643	ug/l	99
83) tert-Butylbenzene	13.412	119	784586	49.760	ug/l	98
84) 1,2,4-Trimethylbenzene	13.459	105	908644	51.453	ug/l	98
85) sec-Butylbenzene	13.594	105	1152157	49.736	ug/l	100
86) p-Isopropyltoluene	13.706	119	950994	51.174	ug/l	98
87) 1,3-Dichlorobenzene	13.712	146	450467	49.237	ug/l	99
88) 1,4-Dichlorobenzene	13.788	146	459228	46.734	ug/l	98
89) n-Butylbenzene	14.035	91	924206	50.208	ug/l	99
90) Hexachloroethane	14.306	117	171641	47.695	ug/l	97
91) 1,2-Dichlorobenzene	14.082	146	425729	48.274	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.694	75	76862	49.909	ug/l	94
93) 1,2,4-Trichlorobenzene	15.364	180	255348	47.809	ug/l	99
94) Hexachlorobutadiene	15.476	225	100581	50.570	ug/l	98
95) Naphthalene	15.611	128	890531	48.671	ug/l	99
96) 1,2,3-Trichlorobenzene	15.811	180	247199	48.270	ug/l	99

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

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