

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121025\
 Data File : VN088487.D
 Acq On : 10 Dec 2025 10:01
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 12/11/2025
 Supervised By :Semsettin Yesilyurt 12/11/2025

Quant Time: Dec 11 02:02:25 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112425W.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 25 01:34:52 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.206	168	249947	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.083	114	468726	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.841	117	435160	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	215555	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	302955	64.342	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 128.680%#			
35) Dibromofluoromethane	8.141	113	195632	60.227	ug/l	-0.01
Spiked Amount 50.000	Range 75 - 124		Recovery = 120.460%			
50) Toluene-d8	10.541	98	691793	57.239	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 114.480%#			
62) 4-Bromofluorobenzene	12.823	95	252772	60.954	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 121.900%#			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.142	85	167695	44.668	ug/l	91
3) Chloromethane	2.383	50	201467	49.966	ug/l	100
4) Vinyl Chloride	2.536	62	189874	46.289	ug/l	97
5) Bromomethane	2.983	94	99143	50.218	ug/l	96
6) Chloroethane	3.142	64	133011	52.398	ug/l	99
7) Trichlorofluoromethane	3.518	101	280845	48.714	ug/l	98
8) Diethyl Ether	3.959	74	125443	57.971	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.371	101	141992	46.263	ug/l	100
10) Methyl Iodide	4.589	142	138200	45.486	ug/l	93
11) Tert butyl alcohol	5.518	59	165296	219.884	ug/l	99
12) 1,1-Dichloroethene	4.342	96	148632	48.741	ug/l	96
13) Acrolein	4.177	56	162170	225.329	ug/l	99
14) Allyl chloride	5.012	41	299049	52.910	ug/l	99
15) Acrylonitrile	5.706	53	612439	282.371	ug/l	99
16) Acetone	4.424	43	447189	262.614	ug/l	100
17) Carbon Disulfide	4.712	76	464289	46.593	ug/l	99
18) Methyl Acetate	5.018	43	298996	58.987	ug/l	97
19) Methyl tert-butyl Ether	5.777	73	692131	60.581	ug/l	98
20) Methylene Chloride	5.265	84	200448	55.019	ug/l	95
21) trans-1,2-Dichloroethene	5.777	96	177775	52.627	ug/l	98
22) Diisopropyl ether	6.653	45	747296	61.930	ug/l	94
23) Vinyl Acetate	6.589	43	3322004	341.700	ug/l	98
24) 1,1-Dichloroethane	6.553	63	389228	56.959	ug/l	100
25) 2-Butanone	7.465	43	753036	275.080	ug/l	95
26) 2,2-Dichloropropane	7.477	77	326426	55.342	ug/l	99
27) cis-1,2-Dichloroethene	7.465	96	221695	56.471	ug/l	97
28) Bromochloromethane	7.794	49	201797	59.281	ug/l	96
29) Tetrahydrofuran	7.824	42	572840	291.738	ug/l	98
30) Chloroform	7.947	83	402977	60.015	ug/l	97
31) Cyclohexane	8.236	56	281621	45.478	ug/l	97
32) 1,1,1-Trichloroethane	8.147	97	315657	53.467	ug/l	100
36) 1,1-Dichloropropene	8.353	75	242718	48.417	ug/l	99
37) Ethyl Acetate	7.541	43	354481	53.777	ug/l	98
38) Carbon Tetrachloride	8.341	117	258761	51.851	ug/l	96
39) Methylcyclohexane	9.577	83	223278	41.639	ug/l	95
40) Benzene	8.583	78	797999	54.236	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.759	41	181692	55.653	ug/l	98
42) 1,2-Dichloroethane	8.653	62	343288	61.153	ug/l	98
43) Isopropyl Acetate	8.671	43	559447	55.549	ug/l	98
44) Trichloroethene	9.330	130	168949	48.597	ug/l	99
45) 1,2-Dichloropropane	9.594	63	213364	56.599	ug/l	96
46) Dibromomethane	9.688	93	155026	57.624	ug/l	99
47) Bromodichloromethane	9.865	83	317877	57.909	ug/l	96
48) Methyl methacrylate	9.659	41	272761	59.358	ug/l	95
49) 1,4-Dioxane	9.677	88	51271	877.353	ug/l #	93
51) 4-Methyl-2-Pentanone	10.424	43	1763923	297.144	ug/l	100
52) Toluene	10.606	92	492242	57.939	ug/l	97
53) t-1,3-Dichloropropene	10.812	75	328893	58.372	ug/l	97
54) cis-1,3-Dichloropropene	10.288	75	351363	59.299	ug/l	94
55) 1,1,2-Trichloroethane	10.994	97	194682	59.227	ug/l	99
56) Ethyl methacrylate	10.853	69	324689	62.534	ug/l	98
57) 1,3-Dichloropropane	11.141	76	349572	58.951	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.135	63	941759	314.612	ug/l	99
59) 2-Hexanone	11.177	43	1127392	301.475	ug/l	100
60) Dibromochloromethane	11.335	129	225026	60.052	ug/l	97
61) 1,2-Dibromoethane	11.447	107	190908	57.354	ug/l	97
64) Tetrachloroethene	11.082	164	141141	40.913	ug/l	95
65) Chlorobenzene	11.871	112	516995	52.892	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.935	131	184325	55.912	ug/l	99
67) Ethyl Benzene	11.941	91	906264	53.048	ug/l	98
68) m/p-Xylenes	12.047	106	684681	108.094	ug/l	99
69) o-Xylene	12.376	106	328328	54.370	ug/l	98
70) Styrene	12.388	104	573055	58.444	ug/l	99
71) Bromoform	12.553	173	137979	57.142	ug/l #	98
73) Isopropylbenzene	12.671	105	815726	51.182	ug/l	99
74) N-amyl acetate	12.500	43	313119m	57.688	ug/l	
75) 1,1,2,2-Tetrachloroethane	12.912	83	290099	56.303	ug/l	98
76) 1,2,3-Trichloropropane	12.971	75	273402m	54.153	ug/l	
77) Bromobenzene	12.959	156	196972	54.015	ug/l	96
78) n-propylbenzene	13.012	91	1007713	51.683	ug/l	98
79) 2-Chlorotoluene	13.100	91	633474	53.203	ug/l	99
80) 1,3,5-Trimethylbenzene	13.147	105	691734	52.378	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.718	75	100486	56.465	ug/l #	87
82) 4-Chlorotoluene	13.200	91	669947	56.650	ug/l	97
83) tert-Butylbenzene	13.412	119	554818	49.419	ug/l	99
84) 1,2,4-Trimethylbenzene	13.459	105	722571	55.045	ug/l	97
85) sec-Butylbenzene	13.594	105	775324	48.072	ug/l	99
86) p-Isopropyltoluene	13.706	119	655321	49.550	ug/l	99
87) 1,3-Dichlorobenzene	13.712	146	376733	53.071	ug/l	99
88) 1,4-Dichlorobenzene	13.788	146	381762	51.341	ug/l	98
89) n-Butylbenzene	14.029	91	601498	46.841	ug/l	99
90) Hexachloroethane	14.306	117	120963	50.067	ug/l	100
91) 1,2-Dichlorobenzene	14.082	146	354636	53.088	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.694	75	66316	53.048	ug/l	92
93) 1,2,4-Trichlorobenzene	15.364	180	190088	47.891	ug/l	97
94) Hexachlorobutadiene	15.470	225	57329	40.194	ug/l	95
95) Naphthalene	15.612	128	689531	50.134	ug/l	100
96) 1,2,3-Trichlorobenzene	15.812	180	185706	48.076	ug/l	98

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

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