

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN071625\
 Data File : VN087329.D
 Acq On : 16 Jul 2025 17:27
 Operator : JC\MD
 Sample : VSTDICC005
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC005

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025
 Supervised By :Semsettin Yesilyurt 07/17/2025

Quant Time: Jul 17 02:17:44 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071625W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 17 02:09:29 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.206	168	172217	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.088	114	319926	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	285583	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	146494	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.565	65	16177	5.536	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	11.080%#		
35) Dibromofluoromethane	8.153	113	11111	5.035	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	10.060%#		
50) Toluene-d8	10.547	98	37751	4.796	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	9.600%#		
62) 4-Bromofluorobenzene	12.829	95	12943	4.450	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	8.900%#		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.142	85	7633	4.173	ug/l	90
3) Chloromethane	2.383	50	11350	4.934	ug/l	96
4) Vinyl Chloride	2.536	62	11459	5.013	ug/l	98
5) Bromomethane	2.971	94	5657	4.779	ug/l	87
6) Chloroethane	3.124	64	8358	5.606	ug/l #	81
7) Trichlorofluoromethane	3.506	101	16796	4.969	ug/l #	83
8) Diethyl Ether	3.959	74	6731	5.133	ug/l	91
9) 1,1,2-Trichlorotrifluo...	4.371	101	8532	4.917	ug/l #	19
10) Methyl Iodide	4.577	142	4952m	8.093	ug/l	
11) Tert butyl alcohol	5.536	59	14147	25.497	ug/l	98
12) 1,1-Dichloroethene	4.330	96	11037	5.613	ug/l #	83
13) Acrolein	4.177	56	12045	27.050	ug/l	96
14) Allyl chloride	5.006	41	16836	4.731	ug/l	97
15) Acrylonitrile	5.718	53	36114	23.986	ug/l	92
16) Acetone	4.430	43	36648	26.455	ug/l	96
17) Carbon Disulfide	4.695	76	29024	4.979	ug/l	94
18) Methyl Acetate	5.006	43	18125	5.265	ug/l	99
19) Methyl tert-butyl Ether	5.800	73	36155	4.989	ug/l	95
20) Methylene Chloride	5.259	84	13570	5.286	ug/l #	86
21) trans-1,2-Dichloroethene	5.765	96	11514	5.193	ug/l	81
22) Diisopropyl ether	6.671	45	37879	5.075	ug/l #	97
23) Vinyl Acetate	6.594	43	145089	22.225	ug/l #	94
24) 1,1-Dichloroethane	6.547	63	22819	5.299	ug/l	95
25) 2-Butanone	7.477	43	52336	24.722	ug/l	95
26) 2,2-Dichloropropane	7.483	77	16583	4.953	ug/l	100
27) cis-1,2-Dichloroethene	7.471	96	12690	4.972	ug/l	99
28) Bromochloromethane	7.789	49	11022	5.348	ug/l #	16
29) Tetrahydrofuran	7.830	42	34146	24.829	ug/l	99
30) Chloroform	7.959	83	22369	5.190	ug/l	84
31) Cyclohexane	8.236	56	19764	5.502	ug/l	87
32) 1,1,1-Trichloroethane	8.153	97	19739	5.287	ug/l #	51
36) 1,1-Dichloropropene	8.347	75	13965	4.790	ug/l	98
37) Ethyl Acetate	7.553	43	21482	5.102	ug/l	97
38) Carbon Tetrachloride	8.341	117	16718	5.205	ug/l #	89
39) Methylcyclohexane	9.582	83	14154	4.484	ug/l	86
40) Benzene	8.583	78	45748	4.855	ug/l	94

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.765	41	10551	4.792	ug/l	97
42) 1,2-Dichloroethane	8.653	62	18086	5.061	ug/l	96
43) Isopropyl Acetate	8.677	43	31964	4.890	ug/l	100
44) Trichloroethene	9.335	130	10573	4.748	ug/l	79
45) 1,2-Dichloropropane	9.606	63	11728	4.898	ug/l	95
46) Dibromomethane	9.694	93	9473	5.284	ug/l	96
47) Bromodichloromethane	9.865	83	18300	5.068	ug/l #	82
48) Methyl methacrylate	9.665	41	13169	4.475	ug/l	95
49) 1,4-Dioxane	9.682	88	4176	92.653	ug/l #	87
51) 4-Methyl-2-Pentanone	10.430	43	102519	24.797	ug/l	97
52) Toluene	10.612	92	27158	4.742	ug/l	96
53) t-1,3-Dichloropropene	10.824	75	17133	4.688	ug/l #	87
54) cis-1,3-Dichloropropene	10.294	75	18046	4.780	ug/l	97
55) 1,1,2-Trichloroethane	11.000	97	11643	5.021	ug/l #	88
56) Ethyl methacrylate	10.859	69	15548	4.693	ug/l	95
57) 1,3-Dichloropropane	11.141	76	19868	4.956	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.147	63	43690	22.968	ug/l	94
59) 2-Hexanone	11.182	43	59736	21.778	ug/l	99
60) Dibromochloromethane	11.335	129	13321	5.037	ug/l	100
61) 1,2-Dibromoethane	11.453	107	11942	4.898	ug/l	89
64) Tetrachloroethene	11.082	164	9660	5.256	ug/l	95
65) Chlorobenzene	11.871	112	32304	5.038	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.941	131	11581	5.312	ug/l	96
67) Ethyl Benzene	11.947	91	49622	4.701	ug/l	92
68) m/p-Xylenes	12.059	106	36883	9.332	ug/l	98
69) o-Xylene	12.376	106	17293	4.580	ug/l	97
70) Styrene	12.394	104	29462	4.639	ug/l	99
71) Bromoform	12.559	173	8628	4.899	ug/l #	96
73) Isopropylbenzene	12.676	105	42320	4.590	ug/l	98
74) N-amyl acetate	12.647	43	18405m	5.113	ug/l	
75) 1,1,2,2-Tetrachloroethane	12.918	83	17305	4.988	ug/l	95
76) 1,2,3-Trichloropropane	12.976	75	18135m	5.580	ug/l	
77) Bromobenzene	12.965	156	11589	4.847	ug/l	84
78) n-propylbenzene	13.018	91	54443	4.693	ug/l	99
79) 2-Chlorotoluene	13.106	91	34400	4.825	ug/l	99
80) 1,3,5-Trimethylbenzene	13.153	105	36874	4.694	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.718	75	4795	3.994	ug/l #	80
82) 4-Chlorotoluene	13.200	91	36031	4.854	ug/l	98
83) tert-Butylbenzene	13.418	119	30293	4.617	ug/l	96
84) 1,2,4-Trimethylbenzene	13.465	105	35326	4.403	ug/l	99
85) sec-Butylbenzene	13.594	105	45947	4.649	ug/l	98
86) p-Isopropyltoluene	13.706	119	35413	4.471	ug/l	97
87) 1,3-Dichlorobenzene	13.718	146	23326	4.970	ug/l	95
88) 1,4-Dichlorobenzene	13.794	146	25031	4.994	ug/l	90
89) n-Butylbenzene	14.035	91	35522	4.697	ug/l	95
90) Hexachloroethane	14.312	117	8261	4.923	ug/l	98
91) 1,2-Dichlorobenzene	14.088	146	22474	5.055	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.700	75	4757	5.223	ug/l	87
93) 1,2,4-Trichlorobenzene	15.364	180	12595	4.823	ug/l	97
94) Hexachlorobutadiene	15.476	225	4936	5.087	ug/l	98
95) Naphthalene	15.617	128	38936	4.208	ug/l	99
96) 1,2,3-Trichlorobenzene	15.812	180	12368	4.721	ug/l	98

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

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