

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062625\
 Data File : VN087199.D
 Acq On : 26 Jun 2025 17:15
 Operator : JC\MD
 Sample : VSTDICC005
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC005

Quant Time: Jun 27 05:20:03 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	144588	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	302562	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	276851	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	149054	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	10413	5.004	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	10.000%		
35) Dibromofluoromethane	8.171	113	8351	4.269	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	8.540%		
50) Toluene-d8	10.565	98	36734	4.541	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	9.080%		
62) 4-Bromofluorobenzene	12.847	95	12425	4.426	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	8.860%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.154	85	10890	6.010	ug/l	91
3) Chloromethane	2.401	50	10710	6.054	ug/l	99
4) Vinyl Chloride	2.554	62	10782	5.640	ug/l	91
5) Bromomethane	2.989	94	5863	5.715	ug/l	96
6) Chloroethane	3.148	64	6193	6.200	ug/l	99
7) Trichlorofluoromethane	3.536	101	14269	6.268	ug/l	98
8) Diethyl Ether	3.977	74	6740	6.656	ug/l	96
9) 1,1,2-Trichlorotrifluo...	4.400	101	11242	4.443	ug/l	96
10) Methyl Iodide	4.618	142	5512	3.889	ug/l	93
11) Tert butyl alcohol	5.536	59	13469	29.379	ug/l #	88
12) 1,1-Dichloroethene	4.365	96	11075	6.530	ug/l	97
13) Acrolein	4.200	56	10914	28.872	ug/l	99
14) Allyl chloride	5.053	41	17327	5.389	ug/l	98
15) Acrylonitrile	5.742	53	38528	24.039	ug/l	99
16) Acetone	4.453	43	33850	21.376	ug/l	97
17) Carbon Disulfide	4.736	76	33651	4.072	ug/l #	94
18) Methyl Acetate	5.047	43	15527	5.292	ug/l	99
19) Methyl tert-butyl Ether	5.812	73	35793	6.127	ug/l	97
20) Methylene Chloride	5.300	84	13073	5.483	ug/l	96
21) trans-1,2-Dichloroethene	5.812	96	12009	6.384	ug/l	89
22) Diisopropyl ether	6.689	45	36065	5.971	ug/l	97
23) Vinyl Acetate	6.618	43	154103	28.531	ug/l	98
24) 1,1-Dichloroethane	6.583	63	21235	5.953	ug/l	97
25) 2-Butanone	7.500	43	33873	21.472	ug/l	97
26) 2,2-Dichloropropane	7.500	77	13897	4.901	ug/l	98
27) cis-1,2-Dichloroethene	7.500	96	10327	4.722	ug/l	93
28) Bromochloromethane	7.818	49	7245	4.620	ug/l #	95
29) Tetrahydrofuran	7.853	42	22040	21.309	ug/l	99
30) Chloroform	7.977	83	16576	4.926	ug/l	89
31) Cyclohexane	8.259	56	17207	5.342	ug/l	88
32) 1,1,1-Trichloroethane	8.177	97	14531	5.026	ug/l #	53
36) 1,1-Dichloropropene	8.377	75	11602	4.049	ug/l	97
37) Ethyl Acetate	7.571	43	14036	1.580	ug/l	97
38) Carbon Tetrachloride	8.365	117	12254	4.391	ug/l	89
39) Methylcyclohexane	9.606	83	16771	4.798	ug/l	90
40) Benzene	8.612	78	36450	4.117	ug/l	95

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.788	41	6868	3.663	ug/l #	93
42) 1,2-Dichloroethane	8.677	62	13455	4.675	ug/l	97
43) Isopropyl Acetate	8.694	43	22325	4.238	ug/l	99
44) Trichloroethene	9.359	130	10853	5.120	ug/l	89
45) 1,2-Dichloropropane	9.624	63	11803	5.172	ug/l	97
46) Dibromomethane	9.706	93	8094	5.234	ug/l	95
47) Bromodichloromethane	9.888	83	16259	5.235	ug/l #	96
48) Methyl methacrylate	9.682	41	12128	4.762	ug/l	97
49) 1,4-Dioxane	9.712	88	3131	85.903	ug/l #	88
51) 4-Methyl-2-Pentanone	10.453	43	81112	18.876	ug/l	96
52) Toluene	10.629	92	27193	4.805	ug/l	99
53) t-1,3-Dichloropropene	10.835	75	16852	4.866	ug/l	97
54) cis-1,3-Dichloropropene	10.312	75	18059	4.901	ug/l	98
55) 1,1,2-Trichloroethane	11.012	97	10558	4.933	ug/l	97
56) Ethyl methacrylate	10.888	69	13372	3.119	ug/l	94
57) 1,3-Dichloropropane	11.165	76	18905	4.999	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.159	63	43816	18.857	ug/l	97
59) 2-Hexanone	11.229	43	58150m	24.815	ug/l	
60) Dibromochloromethane	11.359	129	11406	4.900	ug/l	95
61) 1,2-Dibromoethane	11.471	107	10896	4.816	ug/l	96
64) Tetrachloroethene	11.106	164	8751	5.164	ug/l	93
65) Chlorobenzene	11.894	112	31770	5.174	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.959	131	9966	5.081	ug/l	98
67) Ethyl Benzene	11.965	91	50524	4.933	ug/l	99
68) m/p-Xylenes	12.065	106	36956	9.431	ug/l	97
69) o-Xylene	12.394	106	13529	3.798	ug/l	93
70) Styrene	12.412	104	24461	4.001	ug/l	99
71) Bromoform	12.576	173	7075	4.860	ug/l #	94
73) Isopropylbenzene	12.694	105	43153	4.277	ug/l	99
74) N-amyl acetate	12.641	43	19124m	5.129	ug/l	
75) 1,1,2,2-Tetrachloroethane	12.935	83	18032	4.962	ug/l	97
76) 1,2,3-Trichloropropane	12.988	75	15814m	4.510	ug/l	
77) Bromobenzene	12.982	156	11527	4.701	ug/l	98
78) n-propylbenzene	13.035	91	55583	4.472	ug/l	100
79) 2-Chlorotoluene	13.123	91	34860	4.506	ug/l	99
80) 1,3,5-Trimethylbenzene	13.170	105	37462	4.497	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.735	75	6732	4.543	ug/l	97
82) 4-Chlorotoluene	13.218	91	36088	4.679	ug/l	99
83) tert-Butylbenzene	13.435	119	33464	4.677	ug/l	97
84) 1,2,4-Trimethylbenzene	13.476	105	39118	4.628	ug/l	99
85) sec-Butylbenzene	13.612	105	50663	4.806	ug/l	100
86) p-Isopropyltoluene	13.723	119	40612	4.697	ug/l	99
87) 1,3-Dichlorobenzene	13.729	146	24321	4.929	ug/l	98
88) 1,4-Dichlorobenzene	13.806	146	26400	5.203	ug/l	94
89) n-Butylbenzene	14.053	91	38794	4.829	ug/l	97
90) Hexachloroethane	14.335	117	8080	4.829	ug/l	98
91) 1,2-Dichlorobenzene	14.106	146	22538	4.849	ug/l	95
92) 1,2-Dibromo-3-Chloropr...	14.717	75	4116	4.961	ug/l	95
93) 1,2,4-Trichlorobenzene	15.388	180	12744	4.925	ug/l	99
94) Hexachlorobutadiene	15.494	225	4398	5.388	ug/l	96
95) Naphthalene	15.635	128	43669	4.449	ug/l	99
96) 1,2,3-Trichlorobenzene	15.835	180	12641	4.948	ug/l	99

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

