

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081525\
 Data File : VN087577.D
 Acq On : 15 Aug 2025 13:31
 Operator : JC\MD
 Sample : VN0815WBSD01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0815WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 08/18/2025
 Supervised By : Mahesh Dadoda 08/19/2025

Quant Time: Aug 18 05:42:08 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071625W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 17 02:56:13 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.212	168	249706	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	472244	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	422726	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	215572	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.565	65	233327	55.069	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 110.140%			
35) Dibromofluoromethane	8.153	113	162896	50.006	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 100.020%			
50) Toluene-d8	10.547	98	575905	49.561	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 99.120%			
62) 4-Bromofluorobenzene	12.829	95	218277	50.844	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 101.680%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.142	85	59535	22.448	ug/l	85
3) Chloromethane	2.383	50	57960	17.378	ug/l	100
4) Vinyl Chloride	2.542	62	65758	19.840	ug/l	96
5) Bromomethane	2.977	94	35836	20.879	ug/l	100
6) Chloroethane	3.142	64	43172	19.973	ug/l	96
7) Trichlorofluoromethane	3.506	101	99400	20.281	ug/l	100
8) Diethyl Ether	3.965	74	41870	22.023	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.371	101	55017	21.867	ug/l	95
10) Methyl Iodide	4.571	142	35477	17.794	ug/l #	89
11) Tert butyl alcohol	5.524	59	76828	95.497	ug/l	96
12) 1,1-Dichloroethene	4.336	96	53648	18.817	ug/l	88
13) Acrolein	4.177	56	42511	65.843	ug/l	96
14) Allyl chloride	5.006	41	91291	17.693	ug/l	90
15) Acrylonitrile	5.712	53	201200	92.161	ug/l	97
16) Acetone	4.418	43	209067	105.239	ug/l	97
17) Carbon Disulfide	4.706	76	134653	15.930	ug/l #	89
18) Methyl Acetate	5.018	43	113825	22.806	ug/l	99
19) Methyl tert-butyl Ether	5.788	73	217507	20.698	ug/l	96
20) Methylene Chloride	5.271	84	63526	18.513	ug/l	98
21) trans-1,2-Dichloroethene	5.771	96	55717	17.332	ug/l	98
22) Diisopropyl ether	6.659	45	223451	20.646	ug/l	92
23) Vinyl Acetate	6.594	43	873547m	92.286	ug/l	
24) 1,1-Dichloroethane	6.553	63	117176	18.766	ug/l	98
25) 2-Butanone	7.471	43	295616	96.308	ug/l	98
26) 2,2-Dichloropropane	7.471	77	101366	20.881	ug/l	98
27) cis-1,2-Dichloroethene	7.477	96	70144	18.952	ug/l	93
28) Bromochloromethane	7.794	49	63535	21.261	ug/l	93
29) Tetrahydrofuran	7.824	42	185139	92.847	ug/l	98
30) Chloroform	7.947	83	125090	20.015	ug/l	93
31) Cyclohexane	8.241	56	99606	19.122	ug/l	97
32) 1,1,1-Trichloroethane	8.153	97	106402	19.656	ug/l	92
36) 1,1-Dichloropropene	8.359	75	78960	18.347	ug/l	98
37) Ethyl Acetate	7.547	43	115927	18.651	ug/l	98
38) Carbon Tetrachloride	8.341	117	82636	17.430	ug/l	100
39) Methylcyclohexane	9.582	83	92031	19.751	ug/l	92
40) Benzene	8.588	78	251026	18.047	ug/l	95

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.765	41	62883	19.348	ug/l	98
42) 1,2-Dichloroethane	8.653	62	105461	19.993	ug/l	95
43) Isopropyl Acetate	8.676	43	190449	19.738	ug/l	99
44) Trichloroethene	9.335	130	57323	17.441	ug/l	88
45) 1,2-Dichloropropane	9.606	63	65081	18.414	ug/l #	88
46) Dibromomethane	9.694	93	49862	18.843	ug/l	93
47) Bromodichloromethane	9.871	83	96948	18.188	ug/l	95
48) Methyl methacrylate	9.665	41	88604	20.398	ug/l	94
49) 1,4-Dioxane	9.676	88	24503	368.299	ug/l #	94
51) 4-Methyl-2-Pentanone	10.429	43	584983	95.857	ug/l	98
52) Toluene	10.612	92	153839	18.196	ug/l	95
53) t-1,3-Dichloropropene	10.818	75	102468	18.995	ug/l	97
54) cis-1,3-Dichloropropene	10.294	75	106321	19.081	ug/l #	87
55) 1,1,2-Trichloroethane	11.000	97	62824	18.354	ug/l	93
56) Ethyl methacrylate	10.859	69	101578	18.432	ug/l #	89
57) 1,3-Dichloropropane	11.147	76	111611	18.859	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.141	63	340132	121.136	ug/l	99
59) 2-Hexanone	11.182	43	381671	94.266	ug/l	97
60) Dibromochloromethane	11.335	129	69066	17.693	ug/l	96
61) 1,2-Dibromoethane	11.453	107	66044	18.351	ug/l	98
64) Tetrachloroethene	11.082	164	47462	17.445	ug/l	91
65) Chlorobenzene	11.870	112	167746	17.675	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.941	131	56018	17.359	ug/l	96
67) Ethyl Benzene	11.947	91	301331	19.287	ug/l	97
68) m/p-Xylenes	12.053	106	220097	37.620	ug/l	94
69) o-Xylene	12.376	106	107136	19.171	ug/l	95
70) Styrene	12.394	104	180552	19.205	ug/l	97
71) Bromoform	12.559	173	42321	16.233	ug/l #	98
73) Isopropylbenzene	12.676	105	281846	20.773	ug/l	96
74) N-amyl acetate	12.570	43	102699m	18.219	ug/l	
75) 1,1,2,2-Tetrachloroethane	12.917	83	102300	20.038	ug/l	99
76) 1,2,3-Trichloropropane	12.976	75	87555m	18.112	ug/l	
77) Bromobenzene	12.959	156	64929	18.453	ug/l	91
78) n-propylbenzene	13.017	91	357079	20.918	ug/l	96
79) 2-Chlorotoluene	13.106	91	206673	19.700	ug/l	96
80) 1,3,5-Trimethylbenzene	13.153	105	234768	20.309	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.717	75	26135	14.793	ug/l #	81
82) 4-Chlorotoluene	13.200	91	215120	19.695	ug/l	97
83) tert-Butylbenzene	13.417	119	199646	20.678	ug/l	97
84) 1,2,4-Trimethylbenzene	13.459	105	243481	20.625	ug/l	96
85) sec-Butylbenzene	13.594	105	306326	21.064	ug/l	98
86) p-Isopropyltoluene	13.706	119	252098	21.631	ug/l	99
87) 1,3-Dichlorobenzene	13.711	146	127320	18.437	ug/l	99
88) 1,4-Dichlorobenzene	13.794	146	132558	17.972	ug/l	96
89) n-Butylbenzene	14.035	91	253645	22.792	ug/l	99
90) Hexachloroethane	14.311	117	44427	17.991	ug/l	94
91) 1,2-Dichlorobenzene	14.082	146	120945	18.487	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.700	75	23049	17.196	ug/l	97
93) 1,2,4-Trichlorobenzene	15.370	180	75925	19.757	ug/l	99
94) Hexachlorobutadiene	15.476	225	29821	20.884	ug/l	96
95) Naphthalene	15.617	128	260296	19.119	ug/l	99
96) 1,2,3-Trichlorobenzene	15.811	180	71436	18.531	ug/l	98

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

