

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051225\
 Data File : VN086574.D
 Acq On : 12 May 2025 12:27
 Operator : JC\MD
 Sample : VN0512WBSD01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0512WBSD01

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 05/13/2025
 Supervised By :Semsettin Yesilyurt 05/13/2025

Quant Time: May 13 01:49:22 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 16 04:19:23 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	190393	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	338415	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	306850	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	133326	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	125537	45.470	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	90.940%		
35) Dibromofluoromethane	8.165	113	97345	61.978	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	123.960%		
50) Toluene-d8	10.565	98	390263	46.492	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	92.980%		
62) 4-Bromofluorobenzene	12.847	95	141585	46.244	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	92.480%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.124	85	38901	17.236	ug/l	97
3) Chloromethane	2.359	50	51788	15.788	ug/l	96
4) Vinyl Chloride	2.518	62	49341	15.763	ug/l	100
5) Bromomethane	2.959	94	30229	21.470	ug/l	94
6) Chloroethane	3.118	64	33547	16.013	ug/l	97
7) Trichlorofluoromethane	3.501	101	64079	18.481	ug/l	96
8) Diethyl Ether	3.959	74	28054	18.534	ug/l	89
9) 1,1,2-Trichlorotrifluo...	4.371	101	39602	18.881	ug/l	98
10) Methyl Iodide	4.589	142	46631	20.221	ug/l	98
11) Tert butyl alcohol	5.512	59	38983	77.387	ug/l	100
12) 1,1-Dichloroethene	4.342	96	38006	16.960	ug/l	97
13) Acrolein	4.177	56	26800	105.364	ug/l	95
14) Allyl chloride	5.024	41	64605	16.218	ug/l	96
15) Acrylonitrile	5.718	53	109597	88.010	ug/l	99
16) Acetone	4.424	43	84688	84.953	ug/l	98
17) Carbon Disulfide	4.712	76	102202	15.232	ug/l	99
18) Methyl Acetate	5.024	43	54270	16.376	ug/l	95
19) Methyl tert-butyl Ether	5.795	73	148925	18.079	ug/l	98
20) Methylene Chloride	5.277	84	47422	18.580	ug/l	91
21) trans-1,2-Dichloroethene	5.789	96	41482	17.706	ug/l	92
22) Diisopropyl ether	6.671	45	145731	16.817	ug/l	98
23) Vinyl Acetate	6.600	43	521135	86.026	ug/l	96
24) 1,1-Dichloroethane	6.565	63	81220	17.763	ug/l	96
25) 2-Butanone	7.483	43	140216	81.592	ug/l	96
26) 2,2-Dichloropropane	7.489	77	71784	17.534	ug/l	99
27) cis-1,2-Dichloroethene	7.483	96	54092	18.602	ug/l	94
28) Bromochloromethane	7.812	49	34595	17.844	ug/l	89
29) Tetrahydrofuran	7.836	42	92099	80.144	ug/l	95
30) Chloroform	7.965	83	85547	19.046	ug/l	97
31) Cyclohexane	8.253	56	71858	16.060	ug/l	98
32) 1,1,1-Trichloroethane	8.165	97	71810	18.689	ug/l	96
36) 1,1-Dichloropropene	8.371	75	57712	18.397	ug/l	99
37) Ethyl Acetate	7.559	43	57352	17.365	ug/l	98
38) Carbon Tetrachloride	8.359	117	59045	19.764	ug/l	98
39) Methylcyclohexane	9.600	83	65139	17.469	ug/l	98
40) Benzene	8.600	78	189957	18.899	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.771	41	31523	16.468	ug/l	92
42) 1,2-Dichloroethane	8.665	62	62837	19.605	ug/l	99
43) Isopropyl Acetate	8.683	43	107898	16.711	ug/l	98
44) Trichloroethene	9.347	130	46167	19.379	ug/l	97
45) 1,2-Dichloropropane	9.618	63	44890	18.246	ug/l	97
46) Dibromomethane	9.706	93	31770	20.267	ug/l	93
47) Bromodichloromethane	9.883	83	67480	19.931	ug/l	95
48) Methyl methacrylate	9.677	41	48803	16.827	ug/l	96
49) 1,4-Dioxane	9.688	88	16954	343.657	ug/l	96
51) 4-Methyl-2-Pentanone	10.441	43	302218	89.361	ug/l	98
52) Toluene	10.624	92	122345	19.508	ug/l	99
53) t-1,3-Dichloropropene	10.829	75	74315	19.663	ug/l	98
54) cis-1,3-Dichloropropene	10.306	75	77493	18.668	ug/l	99
55) 1,1,2-Trichloroethane	11.012	97	46666	20.681	ug/l	97
56) Ethyl methacrylate	10.871	69	75752	18.264	ug/l	97
57) 1,3-Dichloropropane	11.159	76	79521	19.863	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.159	63	163008	82.802	ug/l	97
59) 2-Hexanone	11.194	43	218016	86.910	ug/l	98
60) Dibromochloromethane	11.353	129	51523	20.794	ug/l	99
61) 1,2-Dibromoethane	11.465	107	47298	20.774	ug/l	100
64) Tetrachloroethene	11.100	164	47340	20.057	ug/l	98
65) Chlorobenzene	11.888	112	136353	19.912	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.959	131	45824	20.284	ug/l	99
67) Ethyl Benzene	11.959	91	232404	18.807	ug/l	98
68) m/p-Xylenes	12.065	106	179397	38.745	ug/l	96
69) o-Xylene	12.394	106	87935	19.204	ug/l	97
70) Styrene	12.406	104	143900	18.861	ug/l	99
71) Bromoform	12.576	173	34025	20.005	ug/l #	97
73) Isopropylbenzene	12.694	105	215552	19.764	ug/l	100
74) N-amyl acetate	12.488	43	86832	15.993	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.935	83	63334	20.197	ug/l	100
76) 1,2,3-Trichloropropane	12.988	75	58392m	18.559	ug/l	
77) Bromobenzene	12.976	156	52340	21.659	ug/l	91
78) n-propylbenzene	13.029	91	244867	19.053	ug/l	99
79) 2-Chlorotoluene	13.118	91	155052	19.281	ug/l	98
80) 1,3,5-Trimethylbenzene	13.171	105	171561	19.219	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.735	75	23735	18.117	ug/l	90
82) 4-Chlorotoluene	13.218	91	153979	19.275	ug/l	97
83) tert-Butylbenzene	13.435	119	148994	19.263	ug/l	98
84) 1,2,4-Trimethylbenzene	13.476	105	175850	19.353	ug/l	98
85) sec-Butylbenzene	13.612	105	205844	19.187	ug/l	100
86) p-Isopropyltoluene	13.723	119	170990	19.336	ug/l	99
87) 1,3-Dichlorobenzene	13.729	146	90706	19.967	ug/l	98
88) 1,4-Dichlorobenzene	13.806	146	91745	20.051	ug/l	98
89) n-Butylbenzene	14.053	91	141058	17.996	ug/l	99
90) Hexachloroethane	14.329	117	27009	18.158	ug/l	95
91) 1,2-Dichlorobenzene	14.100	146	87139	19.785	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	10655	16.851	ug/l	95
93) 1,2,4-Trichlorobenzene	15.388	180	40572	19.238	ug/l	99
94) Hexachlorobutadiene	15.500	225	15828	19.882	ug/l	98
95) Naphthalene	15.635	128	132301	17.697	ug/l	100
96) 1,2,3-Trichlorobenzene	15.835	180	38412	19.238	ug/l	97

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

