

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN042825\
 Data File : VN086402.D
 Acq On : 28 Apr 2025 11:22
 Operator : JC\MD
 Sample : VN0428WBS01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0428WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 04/29/2025
 Supervised By : Semsettin Yesilyurt 04/29/2025

Quant Time: Apr 29 01:48:43 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	213074	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	381871	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	338009	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	150123	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	161797	52.366	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 104.740%			
35) Dibromofluoromethane	8.165	113	101394	57.210	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 114.420%			
50) Toluene-d8	10.565	98	513939	54.258	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 108.520%			
62) 4-Bromofluorobenzene	12.847	95	179570	51.976	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 103.960%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	42028	16.639	ug/l	99
3) Chloromethane	2.359	50	56169	15.301	ug/l	100
4) Vinyl Chloride	2.512	62	56354	16.087	ug/l	99
5) Bromomethane	2.953	94	30176	19.151	ug/l	99
6) Chloroethane	3.118	64	38398	16.378	ug/l	96
7) Trichlorofluoromethane	3.500	101	69297	17.859	ug/l	89
8) Diethyl Ether	3.959	74	29316	17.306	ug/l	94
9) 1,1,2-Trichlorotrifluo...	4.371	101	42739	18.207	ug/l	99
10) Methyl Iodide	4.594	142	51927	20.121	ug/l	97
11) Tert butyl alcohol	5.512	59	47381	84.046	ug/l	99
12) 1,1-Dichloroethene	4.342	96	42606	16.989	ug/l	99
13) Acrolein	4.183	56	20739	67.903	ug/l	100
14) Allyl chloride	5.024	41	67086	15.048	ug/l	93
15) Acrylonitrile	5.712	53	118331	84.909	ug/l	98
16) Acetone	4.424	43	96753	86.846	ug/l	98
17) Carbon Disulfide	4.712	76	106656	14.204	ug/l	98
18) Methyl Acetate	5.024	43	70152	18.915	ug/l	98
19) Methyl tert-butyl Ether	5.788	73	164012	17.791	ug/l	97
20) Methylene Chloride	5.277	84	49701	17.400	ug/l	93
21) trans-1,2-Dichloroethene	5.783	96	45629	17.403	ug/l	97
22) Diisopropyl ether	6.671	45	162741	16.781	ug/l	97
23) Vinyl Acetate	6.600	43	556247	82.048	ug/l	98
24) 1,1-Dichloroethane	6.565	63	89226	17.437	ug/l	98
25) 2-Butanone	7.477	43	159922	83.153	ug/l	96
26) 2,2-Dichloropropane	7.488	77	82488	18.004	ug/l	99
27) cis-1,2-Dichloroethene	7.482	96	58380	17.940	ug/l	97
28) Bromochloromethane	7.812	49	44071	20.312	ug/l	93
29) Tetrahydrofuran	7.835	42	105874	82.324	ug/l	97
30) Chloroform	7.965	83	92248	18.352	ug/l	95
31) Cyclohexane	8.253	56	80495	16.076	ug/l	99
32) 1,1,1-Trichloroethane	8.159	97	80662	18.758	ug/l	93
36) 1,1-Dichloropropene	8.371	75	63092	17.823	ug/l	99
37) Ethyl Acetate	7.553	43	63697	17.091	ug/l	99
38) Carbon Tetrachloride	8.359	117	66382	19.691	ug/l	98
39) Methylcyclohexane	9.600	83	72903	17.327	ug/l	97
40) Benzene	8.600	78	206299	18.189	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.777	41	36046	16.688	ug/l	94
42) 1,2-Dichloroethane	8.665	62	69187	19.129	ug/l	100
43) Isopropyl Acetate	8.682	43	119283	16.330	ug/l	98
44) Trichloroethene	9.347	130	51320	19.091	ug/l	96
45) 1,2-Dichloropropane	9.618	63	50911	18.338	ug/l	97
46) Dibromomethane	9.706	93	34516	19.513	ug/l	95
47) Bromodichloromethane	9.882	83	74951	19.618	ug/l	97
48) Methyl methacrylate	9.676	41	55479	16.952	ug/l	96
49) 1,4-Dioxane	9.688	88	19848	356.536	ug/l	99
51) 4-Methyl-2-Pentanone	10.441	43	342894	89.851	ug/l	99
52) Toluene	10.623	92	134072	18.945	ug/l	99
53) t-1,3-Dichloropropene	10.829	75	81363	19.078	ug/l	98
54) cis-1,3-Dichloropropene	10.312	75	85797	18.316	ug/l	98
55) 1,1,2-Trichloroethane	11.012	97	50066	19.663	ug/l	97
56) Ethyl methacrylate	10.871	69	83853	17.916	ug/l	98
57) 1,3-Dichloropropane	11.159	76	85308	18.884	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.153	63	197247	88.793	ug/l	97
59) 2-Hexanone	11.194	43	247440	87.415	ug/l	99
60) Dibromochloromethane	11.359	129	55835	19.970	ug/l	100
61) 1,2-Dibromoethane	11.465	107	49663	19.330	ug/l	98
64) Tetrachloroethene	11.100	164	51854	19.944	ug/l	97
65) Chlorobenzene	11.888	112	143017	18.960	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.959	131	49970	20.081	ug/l	100
67) Ethyl Benzene	11.959	91	252428	18.545	ug/l	99
68) m/p-Xylenes	12.065	106	191678	37.581	ug/l	97
69) o-Xylene	12.394	106	94460	18.727	ug/l	99
70) Styrene	12.406	104	157530	18.744	ug/l	99
71) Bromoform	12.576	173	36545	19.505	ug/l #	99
73) Isopropylbenzene	12.694	105	235079	19.143	ug/l	100
74) N-amyl acetate	12.488	43	97902	16.014	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.935	83	67716	19.178	ug/l	97
76) 1,2,3-Trichloropropane	12.988	75	64490m	18.204	ug/l	
77) Bromobenzene	12.976	156	54819	20.147	ug/l	94
78) n-propylbenzene	13.029	91	273332	18.888	ug/l	100
79) 2-Chlorotoluene	13.123	91	171541	18.944	ug/l	98
80) 1,3,5-Trimethylbenzene	13.170	105	189309	18.835	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.735	75	27587m	18.702	ug/l	
82) 4-Chlorotoluene	13.217	91	166329	18.491	ug/l	98
83) tert-Butylbenzene	13.435	119	164279	18.863	ug/l	99
84) 1,2,4-Trimethylbenzene	13.476	105	193254	18.889	ug/l	99
85) sec-Butylbenzene	13.611	105	228620	18.925	ug/l	100
86) p-Isopropyltoluene	13.723	119	188829	18.964	ug/l	100
87) 1,3-Dichlorobenzene	13.729	146	99067	19.368	ug/l	99
88) 1,4-Dichlorobenzene	13.806	146	98590	19.136	ug/l	99
89) n-Butylbenzene	14.053	91	159558	18.079	ug/l	99
90) Hexachloroethane	14.329	117	31289	18.682	ug/l	97
91) 1,2-Dichlorobenzene	14.100	146	98333	19.828	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.711	75	13225	18.575	ug/l	98
93) 1,2,4-Trichlorobenzene	15.388	180	46602	19.625	ug/l	99
94) Hexachlorobutadiene	15.494	225	17749	19.800	ug/l	99
95) Naphthalene	15.635	128	158170	18.790	ug/l	99
96) 1,2,3-Trichlorobenzene	15.835	180	45008	20.019	ug/l	99

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

