

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032125\
 Data File : VN086039.D
 Acq On : 21 Mar 2025 14:52
 Operator : JC\MD
 Sample : VN0321WBSD01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0321WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 03/24/2025
 Supervised By : Semsettin Yesilyurt 03/24/2025

Quant Time: Mar 21 22:57:28 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 19 03:20:56 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	154418	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	246307	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	225945	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	115388	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	108740	51.426	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 102.860%			
35) Dibromofluoromethane	8.165	113	88282	51.351	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.700%			
50) Toluene-d8	10.565	98	318545	51.053	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 102.100%			
62) 4-Bromofluorobenzene	12.847	95	114757	51.572	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 103.140%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	2.124	85	43279	21.155	ug/l	97
3) Chloromethane	2.360	50	38572	21.507	ug/l	99
4) Vinyl Chloride	2.512	62	39200	21.377	ug/l	98
5) Bromomethane	2.954	94	25419	20.350	ug/l	94
6) Chloroethane	3.112	64	24433	21.120	ug/l	89
7) Trichlorofluoromethane	3.495	101	67541	20.489	ug/l	99
8) Diethyl Ether	3.959	74	20931	20.741	ug/l	91
9) 1,1,2-Trichlorotrifluo...	4.365	101	38292	21.856	ug/l	98
10) Methyl Iodide	4.583	142	48482	21.237	ug/l	95
11) Tert butyl alcohol	5.512	59	31433	104.995	ug/l	100
12) 1,1-Dichloroethene	4.336	96	32777	20.719	ug/l	89
13) Acrolein	4.177	56	26363	82.563	ug/l	98
14) Allyl chloride	5.024	41	38565	19.540	ug/l	100
15) Acrylonitrile	5.712	53	91036	115.140	ug/l	98
16) Acetone	4.430	43	69387	107.410	ug/l	97
17) Carbon Disulfide	4.712	76	98338	18.901	ug/l	98
18) Methyl Acetate	5.024	43	38172	23.883	ug/l	97
19) Methyl tert-butyl Ether	5.795	73	110994	21.411	ug/l	97
20) Methylene Chloride	5.271	84	42059	22.255	ug/l	98
21) trans-1,2-Dichloroethene	5.783	96	35697	20.647	ug/l	99
22) Diisopropyl ether	6.671	45	97481	23.178	ug/l	96
23) Vinyl Acetate	6.600	43	395328	123.995	ug/l	99
24) 1,1-Dichloroethane	6.565	63	67872	21.946	ug/l	99
25) 2-Butanone	7.483	43	104216	111.803	ug/l	97
26) 2,2-Dichloropropane	7.483	77	60697	20.385	ug/l	99
27) cis-1,2-Dichloroethene	7.483	96	42415	21.589	ug/l	98
28) Bromochloromethane	7.812	49	23634	18.037	ug/l	100
29) Tetrahydrofuran	7.841	42	68628	119.255	ug/l	97
30) Chloroform	7.965	83	73037	21.365	ug/l	96
31) Cyclohexane	8.253	56	52681	19.995	ug/l	97
32) 1,1,1-Trichloroethane	8.165	97	68195	21.074	ug/l	97
36) 1,1-Dichloropropene	8.371	75	47163	20.834	ug/l	99
37) Ethyl Acetate	7.559	43	43477	22.765	ug/l	98
38) Carbon Tetrachloride	8.359	117	64048	21.518	ug/l	95
39) Methylcyclohexane	9.600	83	44368	19.755	ug/l #	88
40) Benzene	8.606	78	156416	22.010	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.783	41	23110	25.342	ug/l	90
42) 1,2-Dichloroethane	8.665	62	55369	22.361	ug/l	99
43) Isopropyl Acetate	8.688	43	70924	17.138	ug/l	98
44) Trichloroethene	9.347	130	36948	20.061	ug/l	97
45) 1,2-Dichloropropane	9.618	63	36791	22.762	ug/l	95
46) Dibromomethane	9.706	93	28759	22.625	ug/l	99
47) Bromodichloromethane	9.883	83	60334	22.711	ug/l	99
48) Methyl methacrylate	9.677	41	30431	22.283	ug/l	97
49) 1,4-Dioxane	9.688	88	15123	468.450	ug/l	89
51) 4-Methyl-2-Pentanone	10.441	43	221159	121.174	ug/l	98
52) Toluene	10.630	92	99552	22.825	ug/l	99
53) t-1,3-Dichloropropene	10.835	75	56523	21.908	ug/l	97
54) cis-1,3-Dichloropropene	10.312	75	59391	21.818	ug/l	96
55) 1,1,2-Trichloroethane	11.018	97	39047	23.456	ug/l	94
56) Ethyl methacrylate	10.871	69	51792	22.487	ug/l	98
57) 1,3-Dichloropropane	11.159	76	63178	22.344	ug/l	98
58) 2-Chloroethyl Vinyl ether	10.159	63	93811	108.244	ug/l	98
59) 2-Hexanone	11.194	43	160793	120.933	ug/l	97
60) Dibromochloromethane	11.359	129	48376	22.520	ug/l	98
61) 1,2-Dibromoethane	11.465	107	38768	22.684	ug/l	99
64) Tetrachloroethene	11.100	164	37289	20.689	ug/l	97
65) Chlorobenzene	11.888	112	107511	20.794	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.959	131	40838	21.248	ug/l	97
67) Ethyl Benzene	11.965	91	168114	20.327	ug/l	97
68) m/p-Xylenes	12.071	106	140277	43.153	ug/l	98
69) o-Xylene	12.394	106	63591	21.314	ug/l	98
70) Styrene	12.412	104	111101	21.802	ug/l	98
71) Bromoform	12.576	173	35201	21.909	ug/l #	100
73) Isopropylbenzene	12.694	105	157043	19.930	ug/l	99
74) N-amyl acetate	12.494	43	55862	21.190	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.935	83	56119	21.051	ug/l	98
76) 1,2,3-Trichloropropane	12.994	75	50345m	19.489	ug/l	
77) Bromobenzene	12.982	156	44946	20.456	ug/l	99
78) n-propylbenzene	13.035	91	190318	21.330	ug/l	99
79) 2-Chlorotoluene	13.124	91	123495	20.838	ug/l	100
80) 1,3,5-Trimethylbenzene	13.171	105	139940	21.035	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.735	75	19240	19.691	ug/l	90
82) 4-Chlorotoluene	13.218	91	127817	20.972	ug/l	98
83) tert-Butylbenzene	13.435	119	108678	19.101	ug/l	99
84) 1,2,4-Trimethylbenzene	13.482	105	141791	21.131	ug/l	98
85) sec-Butylbenzene	13.618	105	155610	20.964	ug/l	99
86) p-Isopropyltoluene	13.729	119	131559	20.938	ug/l	98
87) 1,3-Dichlorobenzene	13.729	146	84231	21.268	ug/l	99
88) 1,4-Dichlorobenzene	13.812	146	82001	19.707	ug/l	98
89) n-Butylbenzene	14.053	91	101627	19.862	ug/l	98
90) Hexachloroethane	14.329	117	28798	19.863	ug/l	98
91) 1,2-Dichlorobenzene	14.106	146	80852	20.536	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.718	75	11663	21.917	ug/l	92
93) 1,2,4-Trichlorobenzene	15.388	180	34745	17.551	ug/l	96
94) Hexachlorobutadiene	15.500	225	21485	18.707	ug/l	98
95) Naphthalene	15.641	128	99673	17.388	ug/l	97
96) 1,2,3-Trichlorobenzene	15.841	180	34861	18.559	ug/l	96

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

