

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041825\
 Data File : VN086335.D
 Acq On : 18 Apr 2025 11:43
 Operator : JC\MD
 Sample : VN0418WBSD01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0418WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 04/21/2025
 Supervised By : Mahesh Dadoda 04/21/2025

Quant Time: Apr 19 02:21:24 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	224987	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	415849	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	361590	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	165345	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	174385	53.451	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 106.900%			
35) Dibromofluoromethane	8.165	113	102125	52.914	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 105.820%			
50) Toluene-d8	10.565	98	526069	51.001	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 102.000%			
62) 4-Bromofluorobenzene	12.847	95	188720	50.161	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 100.320%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.124	85	55382	20.765	ug/l	100
3) Chloromethane	2.359	50	73702	19.014	ug/l	97
4) Vinyl Chloride	2.512	62	70059	18.940	ug/l	98
5) Bromomethane	2.959	94	37696	22.656	ug/l	98
6) Chloroethane	3.118	64	47033	18.999	ug/l	96
7) Trichlorofluoromethane	3.500	101	85060	20.760	ug/l	96
8) Diethyl Ether	3.959	74	37370	20.892	ug/l	96
9) 1,1,2-Trichlorotrifluo...	4.365	101	51199	20.656	ug/l	98
10) Methyl Iodide	4.589	142	62971	23.109	ug/l	98
11) Tert butyl alcohol	5.512	59	61854	103.909	ug/l	99
12) 1,1-Dichloroethene	4.342	96	53177	20.081	ug/l	100
13) Acrolein	4.177	56	41549	143.242	ug/l	96
14) Allyl chloride	5.024	41	85515	18.166	ug/l	97
15) Acrylonitrile	5.712	53	151152	102.717	ug/l	97
16) Acetone	4.424	43	124470	107.084	ug/l	99
17) Carbon Disulfide	4.712	76	143221	18.063	ug/l	100
18) Methyl Acetate	5.024	43	76309	19.485	ug/l	99
19) Methyl tert-butyl Ether	5.789	73	207522	21.319	ug/l	98
20) Methylene Chloride	5.277	84	61969	20.546	ug/l	90
21) trans-1,2-Dichloroethene	5.783	96	56449	20.390	ug/l	95
22) Diisopropyl ether	6.665	45	204729	19.992	ug/l	98
23) Vinyl Acetate	6.600	43	732017	102.257	ug/l	98
24) 1,1-Dichloroethane	6.565	63	109336	20.236	ug/l	98
25) 2-Butanone	7.477	43	208797	102.818	ug/l	99
26) 2,2-Dichloropropane	7.483	77	98917	20.447	ug/l	100
27) cis-1,2-Dichloroethene	7.483	96	70142	20.413	ug/l	97
28) Bromochloromethane	7.812	49	47614	20.783	ug/l	94
29) Tetrahydrofuran	7.835	42	136675	100.646	ug/l	98
30) Chloroform	7.959	83	109433	20.618	ug/l	99
31) Cyclohexane	8.253	56	96848	18.317	ug/l	96
32) 1,1,1-Trichloroethane	8.165	97	94588	20.832	ug/l	96
36) 1,1-Dichloropropene	8.371	75	78683	20.411	ug/l	100
37) Ethyl Acetate	7.553	43	82925	20.433	ug/l	98
38) Carbon Tetrachloride	8.359	117	76817	20.925	ug/l	99
39) Methylcyclohexane	9.594	83	90572	19.767	ug/l	98
40) Benzene	8.600	78	254004	20.566	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.777	41	46152	19.621	ug/l	97
42) 1,2-Dichloroethane	8.665	62	85224	21.638	ug/l	100
43) Isopropyl Acetate	8.682	43	154281	19.790	ug/l	98
44) Trichloroethene	9.347	130	63217	21.595	ug/l	95
45) 1,2-Dichloropropane	9.618	63	62721	20.746	ug/l	100
46) Dibromomethane	9.706	93	43143	22.397	ug/l	99
47) Bromodichloromethane	9.882	83	90117	21.661	ug/l	99
48) Methyl methacrylate	9.677	41	70811	19.869	ug/l	95
49) 1,4-Dioxane	9.694	88	24051	396.735	ug/l	99
51) 4-Methyl-2-Pentanone	10.441	43	441866	106.324	ug/l	99
52) Toluene	10.629	92	159623	20.713	ug/l	100
53) t-1,3-Dichloropropene	10.835	75	101094	21.768	ug/l	99
54) cis-1,3-Dichloropropene	10.312	75	106519	20.882	ug/l	99
55) 1,1,2-Trichloroethane	11.012	97	60462	21.806	ug/l	95
56) Ethyl methacrylate	10.871	69	107442	21.081	ug/l	99
57) 1,3-Dichloropropane	11.159	76	106587	21.666	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.159	63	258392	106.814	ug/l	98
59) 2-Hexanone	11.194	43	322801	104.720	ug/l	100
60) Dibromochloromethane	11.353	129	66870	21.962	ug/l	100
61) 1,2-Dibromoethane	11.465	107	61759	22.074	ug/l	99
64) Tetrachloroethene	11.100	164	61016	21.937	ug/l	97
65) Chlorobenzene	11.888	112	172877	21.424	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.959	131	57889	21.746	ug/l	99
67) Ethyl Benzene	11.959	91	298742	20.516	ug/l	99
68) m/p-Xylenes	12.065	106	227360	41.670	ug/l	98
69) o-Xylene	12.394	106	113464	21.028	ug/l	97
70) Styrene	12.406	104	190942	21.238	ug/l	99
71) Bromoform	12.576	173	43273	21.590	ug/l #	99
73) Isopropylbenzene	12.694	105	273957	20.255	ug/l	99
74) N-amyl acetate	12.488	43	126467	18.782	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.935	83	80275	20.642	ug/l	100
76) 1,2,3-Trichloropropane	12.988	75	81638m	20.923	ug/l	
77) Bromobenzene	12.976	156	64489	21.518	ug/l	98
78) n-propylbenzene	13.029	91	324773	20.377	ug/l	100
79) 2-Chlorotoluene	13.123	91	204293	20.484	ug/l	99
80) 1,3,5-Trimethylbenzene	13.170	105	227883	20.585	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.735	75	34116	20.999	ug/l	97
82) 4-Chlorotoluene	13.217	91	201301	20.319	ug/l	100
83) tert-Butylbenzene	13.435	119	194004	20.225	ug/l	100
84) 1,2,4-Trimethylbenzene	13.482	105	232694	20.650	ug/l	99
85) sec-Butylbenzene	13.612	105	278519	20.933	ug/l	100
86) p-Isopropyltoluene	13.723	119	231442	21.104	ug/l	99
87) 1,3-Dichlorobenzene	13.729	146	119905	21.283	ug/l	99
88) 1,4-Dichlorobenzene	13.806	146	120991	21.322	ug/l	100
89) n-Butylbenzene	14.053	91	206092	21.202	ug/l	99
90) Hexachloroethane	14.329	117	38332	20.780	ug/l	98
91) 1,2-Dichlorobenzene	14.100	146	118138	21.629	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.717	75	16913	21.569	ug/l	98
93) 1,2,4-Trichlorobenzene	15.388	180	59341	22.688	ug/l	100
94) Hexachlorobutadiene	15.500	225	23137	23.435	ug/l	98
95) Naphthalene	15.635	128	201733	21.759	ug/l	100
96) 1,2,3-Trichlorobenzene	15.835	180	55254	22.314	ug/l	98

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

