

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031425\
 Data File : VN085990.D
 Acq On : 14 Mar 2025 15:33
 Operator : JC\MD
 Sample : VN0314WBSD01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0314WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 03/18/2025
 Supervised By : Mahesh Dadoda 03/18/2025

Quant Time: Mar 15 00:03:28 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021825W.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 19 03:43:32 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	156935	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	255094	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	222274	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	110861	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	94871	46.629	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	93.260%		
35) Dibromofluoromethane	8.165	113	77553	46.461	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	92.920%		
50) Toluene-d8	10.565	98	272482	44.867	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	89.740%		
62) 4-Bromofluorobenzene	12.847	95	98087	49.020	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	98.040%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.124	85	41379	19.385	ug/l	97
3) Chloromethane	2.359	50	32276	15.068	ug/l	95
4) Vinyl Chloride	2.512	62	33347	14.703	ug/l	97
5) Bromomethane	2.959	94	22048	15.204	ug/l	98
6) Chloroethane	3.118	64	20414	13.589	ug/l	95
7) Trichlorofluoromethane	3.500	101	62047	18.896	ug/l	99
8) Diethyl Ether	3.959	74	19771	18.609	ug/l	95
9) 1,1,2-Trichlorotrifluo...	4.377	101	34934	18.405	ug/l	99
10) Methyl Iodide	4.583	142	42366	18.108	ug/l	95
11) Tert butyl alcohol	5.512	59	22578	90.224	ug/l	96
12) 1,1-Dichloroethene	4.342	96	31007	18.017	ug/l	95
13) Acrolein	4.177	56	23912	64.437	ug/l	99
14) Allyl chloride	5.024	41	37331	16.521	ug/l	97
15) Acrylonitrile	5.718	53	72278	88.846	ug/l	98
16) Acetone	4.424	43	57306	89.014	ug/l	98
17) Carbon Disulfide	4.718	76	88001	17.253	ug/l	99
18) Methyl Acetate	5.018	43	32388	14.627	ug/l	97
19) Methyl tert-butyl Ether	5.794	73	98596	19.279	ug/l	97
20) Methylene Chloride	5.277	84	35919	17.349	ug/l	95
21) trans-1,2-Dichloroethene	5.783	96	32869	17.737	ug/l	90
22) Diisopropyl ether	6.671	45	87820	17.200	ug/l	97
23) Vinyl Acetate	6.600	43	305400	87.360	ug/l	99
24) 1,1-Dichloroethane	6.565	63	60454	17.418	ug/l	98
25) 2-Butanone	7.483	43	82067	86.648	ug/l	100
26) 2,2-Dichloropropane	7.488	77	57474	18.622	ug/l	100
27) cis-1,2-Dichloroethene	7.488	96	37763	17.575	ug/l	98
28) Bromochloromethane	7.812	49	24187	16.955	ug/l	99
29) Tetrahydrofuran	7.841	42	53962	88.230	ug/l	95
30) Chloroform	7.965	83	66262	18.269	ug/l	99
31) Cyclohexane	8.253	56	51183	17.613	ug/l	96
32) 1,1,1-Trichloroethane	8.171	97	63080	19.553	ug/l	96
36) 1,1-Dichloropropene	8.371	75	44106	18.670	ug/l	99
37) Ethyl Acetate	7.553	43	34897	17.950	ug/l	97
38) Carbon Tetrachloride	8.359	117	58712	20.916	ug/l	99
39) Methylcyclohexane	9.600	83	41451	17.861	ug/l	97
40) Benzene	8.606	78	141258	18.656	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.771	41	17690	17.022	ug/l	91
42) 1,2-Dichloroethane	8.671	62	46811	18.980	ug/l	99
43) Isopropyl Acetate	8.682	43	64372	18.523	ug/l	100
44) Trichloroethene	9.347	130	32805	17.646	ug/l	95
45) 1,2-Dichloropropane	9.618	63	33355	18.250	ug/l	97
46) Dibromomethane	9.706	93	24700	19.160	ug/l	98
47) Bromodichloromethane	9.888	83	52516	19.041	ug/l	98
48) Methyl methacrylate	9.677	41	25862	17.912	ug/l	91
49) 1,4-Dioxane	9.694	88	11312	412.008	ug/l	99
51) 4-Methyl-2-Pentanone	10.441	43	174749	93.230	ug/l	96
52) Toluene	10.629	92	88815	20.011	ug/l	99
53) t-1,3-Dichloropropene	10.835	75	50486	19.795	ug/l	93
54) cis-1,3-Dichloropropene	10.312	75	54573	19.514	ug/l	95
55) 1,1,2-Trichloroethane	11.012	97	33283	18.861	ug/l	98
56) Ethyl methacrylate	10.871	69	43946	18.928	ug/l	95
57) 1,3-Dichloropropane	11.159	76	55724	18.916	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.159	63	73925	87.634	ug/l	95
59) 2-Hexanone	11.194	43	123960	96.132	ug/l	97
60) Dibromochloromethane	11.353	129	41377	20.136	ug/l	100
61) 1,2-Dibromoethane	11.471	107	32181	19.301	ug/l	99
64) Tetrachloroethene	11.100	164	33950	19.716	ug/l	94
65) Chlorobenzene	11.888	112	95081	18.673	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.959	131	37224	20.338	ug/l	95
67) Ethyl Benzene	11.959	91	155543	19.501	ug/l	98
68) m/p-Xylenes	12.071	106	126038	41.600	ug/l	100
69) o-Xylene	12.394	106	57845	20.091	ug/l	99
70) Styrene	12.412	104	97252	19.621	ug/l	97
71) Bromoform	12.576	173	28759	21.147	ug/l #	96
73) Isopropylbenzene	12.694	105	146792	19.327	ug/l	99
74) N-amyl acetate	12.488	43	46970	17.537	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.935	83	46448	17.772	ug/l	99
76) 1,2,3-Trichloropropane	12.988	75	44227m	17.959	ug/l	
77) Bromobenzene	12.976	156	39229	19.118	ug/l	99
78) n-propylbenzene	13.035	91	170577	19.611	ug/l	100
79) 2-Chlorotoluene	13.123	91	111806	19.239	ug/l	99
80) 1,3,5-Trimethylbenzene	13.170	105	126817	20.498	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.735	75	15717	18.622	ug/l	93
82) 4-Chlorotoluene	13.217	91	112694	19.560	ug/l	98
83) tert-Butylbenzene	13.435	119	100612	19.339	ug/l	97
84) 1,2,4-Trimethylbenzene	13.482	105	126724	20.703	ug/l	99
85) sec-Butylbenzene	13.612	105	141080	19.192	ug/l	99
86) p-Isopropyltoluene	13.729	119	114170	18.251	ug/l	97
87) 1,3-Dichlorobenzene	13.729	146	71577	18.618	ug/l	99
88) 1,4-Dichlorobenzene	13.812	146	69601	17.664	ug/l	97
89) n-Butylbenzene	14.053	91	90459	17.333	ug/l	97
90) Hexachloroethane	14.329	117	25309	18.180	ug/l	95
91) 1,2-Dichlorobenzene	14.106	146	68456	18.517	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.717	75	8410	17.524	ug/l	99
93) 1,2,4-Trichlorobenzene	15.394	180	30891	17.536	ug/l	99
94) Hexachlorobutadiene	15.494	225	17494	16.341	ug/l	98
95) Naphthalene	15.635	128	80746	16.696	ug/l	100
96) 1,2,3-Trichlorobenzene	15.841	180	30426	17.205	ug/l	98

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

