

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031425\
 Data File : VN085988.D
 Acq On : 14 Mar 2025 14:45
 Operator : JC\MD
 Sample : VN0314WBS02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0314WBS02

Manual Integrations
 APPROVED

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

Quant Time: Mar 15 00:01:52 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	132047	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	212111	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	192344	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	95020	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	77703	45.389	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	90.780%		
35) Dibromofluoromethane	8.165	113	61974	44.651	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	89.300%		
50) Toluene-d8	10.565	98	214477	42.472	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	84.940%#		
62) 4-Bromofluorobenzene	12.847	95	78807	47.366	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	94.740%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.124	85	31204	17.373	ug/l	94
3) Chloromethane	2.359	50	27383	15.193	ug/l	98
4) Vinyl Chloride	2.512	62	27021	14.160	ug/l	99
5) Bromomethane	2.959	94	18358	15.045	ug/l	99
6) Chloroethane	3.124	64	16465	13.026	ug/l	100
7) Trichlorofluoromethane	3.500	101	45991	16.646	ug/l	99
8) Diethyl Ether	3.959	74	15189	16.991	ug/l	97
9) 1,1,2-Trichlorotrifluo...	4.365	101	26187	16.397	ug/l	99
10) Methyl Iodide	4.589	142	34343	17.445	ug/l	91
11) Tert butyl alcohol	5.524	59	17958	85.288	ug/l	98
12) 1,1-Dichloroethene	4.342	96	23072	15.933	ug/l	98
13) Acrolein	4.183	56	23543	75.400	ug/l	95
14) Allyl chloride	5.024	41	28779	15.137	ug/l	96
15) Acrylonitrile	5.718	53	57831	84.486	ug/l	99
16) Acetone	4.424	43	43557	80.409	ug/l	99
17) Carbon Disulfide	4.712	76	70392	16.402	ug/l	98
18) Methyl Acetate	5.024	43	26496	14.221	ug/l	99
19) Methyl tert-butyl Ether	5.794	73	78888	18.333	ug/l	94
20) Methylene Chloride	5.277	84	29719	17.060	ug/l	97
21) trans-1,2-Dichloroethene	5.783	96	24708	15.846	ug/l	91
22) Diisopropyl ether	6.665	45	72634	16.907	ug/l	97
23) Vinyl Acetate	6.600	43	238558	81.102	ug/l	98
24) 1,1-Dichloroethane	6.565	63	48461	16.594	ug/l	97
25) 2-Butanone	7.488	43	64461	80.887	ug/l	98
26) 2,2-Dichloropropane	7.488	77	43235	16.649	ug/l	97
27) cis-1,2-Dichloroethene	7.483	96	29016	16.049	ug/l	97
28) Bromochloromethane	7.806	49	21863	18.215	ug/l	95
29) Tetrahydrofuran	7.835	42	42736	83.045	ug/l	96
30) Chloroform	7.965	83	53215	17.437	ug/l	96
31) Cyclohexane	8.259	56	36326	14.856	ug/l	88
32) 1,1,1-Trichloroethane	8.171	97	48190	17.753	ug/l	97
36) 1,1-Dichloropropene	8.371	75	32579	16.585	ug/l	99
37) Ethyl Acetate	7.559	43	27952	17.291	ug/l	96
38) Carbon Tetrachloride	8.353	117	43226	18.520	ug/l	98
39) Methylcyclohexane	9.600	83	30191	15.645	ug/l	95
40) Benzene	8.606	78	110127	17.492	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.777	41	14879	17.218	ug/l	95
42) 1,2-Dichloroethane	8.665	62	39351	19.189	ug/l	99
43) Isopropyl Acetate	8.682	43	50931	17.599	ug/l	99
44) Trichloroethene	9.347	130	26794	17.333	ug/l	97
45) 1,2-Dichloropropane	9.618	63	26298	17.305	ug/l	96
46) Dibromomethane	9.700	93	19657	18.338	ug/l	98
47) Bromodichloromethane	9.888	83	42586	18.569	ug/l	97
48) Methyl methacrylate	9.677	41	20127	16.765	ug/l	92
49) 1,4-Dioxane	9.688	88	8926	390.985	ug/l #	94
51) 4-Methyl-2-Pentanone	10.441	43	135269	86.791	ug/l	97
52) Toluene	10.629	92	69678	18.880	ug/l	98
53) t-1,3-Dichloropropene	10.835	75	39508	18.630	ug/l	99
54) cis-1,3-Dichloropropene	10.312	75	41769	17.962	ug/l	94
55) 1,1,2-Trichloroethane	11.012	97	26278	17.909	ug/l	96
56) Ethyl methacrylate	10.871	69	34459	17.919	ug/l	97
57) 1,3-Dichloropropane	11.159	76	44709	18.253	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.159	63	57042	81.011	ug/l	97
59) 2-Hexanone	11.194	43	95611	89.173	ug/l	98
60) Dibromochloromethane	11.359	129	33072	19.356	ug/l	97
61) 1,2-Dibromoethane	11.465	107	25991	18.747	ug/l	99
64) Tetrachloroethene	11.100	164	25661	17.221	ug/l	97
65) Chlorobenzene	11.888	112	74997	17.020	ug/l	94
66) 1,1,1,2-Tetrachloroethane	11.959	131	29075	18.358	ug/l	97
67) Ethyl Benzene	11.965	91	116342	16.856	ug/l	98
68) m/p-Xylenes	12.070	106	95060	36.257	ug/l	100
69) o-Xylene	12.394	106	44193	17.738	ug/l	100
70) Styrene	12.412	104	74954	17.608	ug/l	97
71) Bromoform	12.576	173	23158	19.678	ug/l #	99
73) Isopropylbenzene	12.694	105	106365	16.339	ug/l	100
74) N-amyl acetate	12.494	43	36664	15.971	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.935	83	36187	16.154	ug/l	98
76) 1,2,3-Trichloropropane	12.988	75	38689m	18.330	ug/l	
77) Bromobenzene	12.982	156	30905	17.572	ug/l	96
78) n-propylbenzene	13.035	91	125696	16.860	ug/l	98
79) 2-Chlorotoluene	13.123	91	83346	16.732	ug/l	100
80) 1,3,5-Trimethylbenzene	13.170	105	92668	17.475	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.735	75	11935	16.498	ug/l	96
82) 4-Chlorotoluene	13.217	91	86184	17.453	ug/l	99
83) tert-Butylbenzene	13.435	119	72892	16.346	ug/l	96
84) 1,2,4-Trimethylbenzene	13.482	105	91476	17.436	ug/l	99
85) sec-Butylbenzene	13.612	105	101364	16.088	ug/l	98
86) p-Isopropyltoluene	13.729	119	83690	15.763	ug/l	97
87) 1,3-Dichlorobenzene	13.729	146	55498	16.843	ug/l	100
88) 1,4-Dichlorobenzene	13.812	146	54675	16.189	ug/l	98
89) n-Butylbenzene	14.053	91	66540	14.875	ug/l	96
90) Hexachloroethane	14.329	117	18817	15.770	ug/l	98
91) 1,2-Dichlorobenzene	14.106	146	53357	16.839	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.717	75	6413	15.590	ug/l	90
93) 1,2,4-Trichlorobenzene	15.394	180	23790	15.756	ug/l	99
94) Hexachlorobutadiene	15.494	225	13563	14.781	ug/l	94
95) Naphthalene	15.641	128	62332	15.037	ug/l	99
96) 1,2,3-Trichlorobenzene	15.835	180	24887	16.419	ug/l	97

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

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