

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN040225\
 Data File : VN086206.D
 Acq On : 02 Apr 2025 14:18
 Operator : JC\MD
 Sample : VN0402WBSD01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0402WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 04/03/2025
 Supervised By : Mahesh Dadoda 04/03/2025

Quant Time: Apr 03 01:35:25 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	119716	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	188137	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	173116	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	93135	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	89863	54.817	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 109.640%			
35) Dibromofluoromethane	8.159	113	61922	47.154	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 94.300%			
50) Toluene-d8	10.565	98	231022	48.474	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 96.940%			
62) 4-Bromofluorobenzene	12.847	95	91868	54.051	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 108.100%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.124	85	32184	20.292	ug/l	94
3) Chloromethane	2.359	50	25219	18.137	ug/l	98
4) Vinyl Chloride	2.512	62	26664	18.755	ug/l	92
5) Bromomethane	2.965	94	15672	16.183	ug/l	97
6) Chloroethane	3.118	64	16956	18.906	ug/l	92
7) Trichlorofluoromethane	3.495	101	50149	19.623	ug/l	96
8) Diethyl Ether	3.959	74	13355	17.070	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.371	101	25038	18.434	ug/l	100
10) Methyl Iodide	4.594	142	29733	16.800	ug/l	91
11) Tert butyl alcohol	5.512	59	22267	95.938	ug/l	98
12) 1,1-Dichloroethene	4.342	96	21845	17.811	ug/l	97
13) Acrolein	4.183	56	4548	18.372	ug/l	99
14) Allyl chloride	5.024	41	23953	15.654	ug/l	90
15) Acrylonitrile	5.718	53	50436	82.281	ug/l	97
16) Acetone	4.424	43	46410	92.667	ug/l #	85
17) Carbon Disulfide	4.706	76	61323	15.203	ug/l	98
18) Methyl Acetate	5.018	43	29548	23.846	ug/l	97
19) Methyl tert-butyl Ether	5.789	73	81082	20.174	ug/l	98
20) Methylene Chloride	5.277	84	24558	16.762	ug/l	95
21) trans-1,2-Dichloroethene	5.783	96	23735	17.708	ug/l	93
22) Diisopropyl ether	6.671	45	54656	16.762	ug/l	96
23) Vinyl Acetate	6.600	43	237705	96.168	ug/l	95
24) 1,1-Dichloroethane	6.571	63	42333	17.656	ug/l	99
25) 2-Butanone	7.483	43	61161	84.633	ug/l	99
26) 2,2-Dichloropropane	7.483	77	44276	19.180	ug/l	97
27) cis-1,2-Dichloroethene	7.483	96	28418	18.657	ug/l	99
28) Bromochloromethane	7.806	49	17317	17.047	ug/l	86
29) Tetrahydrofuran	7.835	42	37498	84.048	ug/l	88
30) Chloroform	7.959	83	51253	19.339	ug/l	92
31) Cyclohexane	8.253	56	34484	16.882	ug/l	91
32) 1,1,1-Trichloroethane	8.165	97	50529	20.141	ug/l	93
36) 1,1-Dichloropropene	8.371	75	31696	18.331	ug/l	99
37) Ethyl Acetate	7.553	43	22419	15.369	ug/l #	93
38) Carbon Tetrachloride	8.359	117	46949	20.650	ug/l	95
39) Methylcyclohexane	9.600	83	33076	19.280	ug/l	99
40) Benzene	8.600	78	102009	18.793	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.777	41	13866	19.906	ug/l	95
42) 1,2-Dichloroethane	8.671	62	40754	21.547	ug/l	99
43) Isopropyl Acetate	8.688	43	64220	20.316	ug/l #	86
44) Trichloroethene	9.347	130	26934	19.145	ug/l	94
45) 1,2-Dichloropropane	9.618	63	21082	17.076	ug/l	95
46) Dibromomethane	9.706	93	19398	19.979	ug/l	96
47) Bromodichloromethane	9.882	83	40901	20.156	ug/l	98
48) Methyl methacrylate	9.677	41	19473	18.668	ug/l	94
49) 1,4-Dioxane	9.688	88	9808	397.748	ug/l #	92
51) 4-Methyl-2-Pentanone	10.441	43	131274	94.164	ug/l	99
52) Toluene	10.629	92	66265	19.890	ug/l	99
53) t-1,3-Dichloropropene	10.835	75	39866	20.230	ug/l	94
54) cis-1,3-Dichloropropene	10.306	75	40346	19.405	ug/l	95
55) 1,1,2-Trichloroethane	11.012	97	25372	19.954	ug/l	91
56) Ethyl methacrylate	10.871	69	35247	20.255	ug/l	96
57) 1,3-Dichloropropane	11.159	76	40895	18.935	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.159	63	71053	107.437	ug/l	95
59) 2-Hexanone	11.194	43	97868	96.366	ug/l	98
60) Dibromochloromethane	11.353	129	31571	19.241	ug/l	97
61) 1,2-Dibromoethane	11.470	107	25451	19.497	ug/l	97
64) Tetrachloroethene	11.100	164	29748	21.542	ug/l	95
65) Chlorobenzene	11.888	112	72266	18.243	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.959	131	29054	19.730	ug/l	97
67) Ethyl Benzene	11.965	91	124354	19.624	ug/l	99
68) m/p-Xylenes	12.070	106	96887	38.901	ug/l	97
69) o-Xylene	12.394	106	47090	20.600	ug/l	100
70) Styrene	12.412	104	78932	20.216	ug/l	97
71) Bromoform	12.576	173	23324	18.947	ug/l #	100
73) Isopropylbenzene	12.694	105	116021	18.242	ug/l	97
74) N-amyl acetate	12.494	43	38025	17.870	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.935	83	32876	15.279	ug/l	99
76) 1,2,3-Trichloropropane	12.994	75	35640m	17.093	ug/l	
77) Bromobenzene	12.976	156	32543	18.350	ug/l	94
78) n-propylbenzene	13.035	91	134167	18.630	ug/l	100
79) 2-Chlorotoluene	13.123	91	89973	18.809	ug/l	100
80) 1,3,5-Trimethylbenzene	13.170	105	106394	19.814	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.735	75	12663	16.056	ug/l #	78
82) 4-Chlorotoluene	13.217	91	93054	18.917	ug/l	98
83) tert-Butylbenzene	13.435	119	85199	18.552	ug/l	94
84) 1,2,4-Trimethylbenzene	13.482	105	107507	19.850	ug/l	100
85) sec-Butylbenzene	13.612	105	112664	18.805	ug/l	98
86) p-Isopropyltoluene	13.723	119	99184	19.557	ug/l	97
87) 1,3-Dichlorobenzene	13.729	146	59398	18.581	ug/l	99
88) 1,4-Dichlorobenzene	13.812	146	59245	17.640	ug/l	97
89) n-Butylbenzene	14.053	91	78109	18.913	ug/l	98
90) Hexachloroethane	14.329	117	17404	14.872	ug/l	94
91) 1,2-Dichlorobenzene	14.106	146	56663	17.831	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	8717	20.295	ug/l	89
93) 1,2,4-Trichlorobenzene	15.394	180	32189	20.145	ug/l	98
94) Hexachlorobutadiene	15.500	225	16824	18.149	ug/l	99
95) Naphthalene	15.635	128	94584	20.443	ug/l	99
96) 1,2,3-Trichlorobenzene	15.841	180	29816	19.666	ug/l	99

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

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