

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN042825\
 Data File : VN086403.D
 Acq On : 28 Apr 2025 11:56
 Operator : JC\MD
 Sample : VN0428WBSD01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0428WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 04/29/2025
 Supervised By : Semsettin Yesilyurt 04/29/2025

Quant Time: Apr 29 01:49:42 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	178367	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	326083	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	296687	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	134227	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	126057	48.737	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	97.480%		
35) Dibromofluoromethane	8.165	113	80183	52.982	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	105.960%		
50) Toluene-d8	10.565	98	392054	48.472	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	96.940%		
62) 4-Bromofluorobenzene	12.847	95	145527	49.329	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	98.660%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.124	85	33565	15.874	ug/l	99
3) Chloromethane	2.359	50	46571	15.155	ug/l	99
4) Vinyl Chloride	2.518	62	43697	14.901	ug/l	94
5) Bromomethane	2.959	94	24210	18.354	ug/l	99
6) Chloroethane	3.124	64	29750	15.158	ug/l	98
7) Trichlorofluoromethane	3.501	101	52816	16.260	ug/l	100
8) Diethyl Ether	3.959	74	23899	16.853	ug/l	94
9) 1,1,2-Trichlorotrifluo...	4.371	101	33501	17.049	ug/l	100
10) Methyl Iodide	4.595	142	41246	19.092	ug/l	98
11) Tert butyl alcohol	5.518	59	39236	83.140	ug/l	100
12) 1,1-Dichloroethene	4.348	96	33037	15.737	ug/l	92
13) Acrolein	4.177	56	16181	62.197	ug/l	94
14) Allyl chloride	5.024	41	59109	15.838	ug/l	98
15) Acrylonitrile	5.718	53	101473	86.980	ug/l	100
16) Acetone	4.424	43	81104	86.973	ug/l	97
17) Carbon Disulfide	4.712	76	83475	13.280	ug/l	97
18) Methyl Acetate	5.018	43	58921	18.978	ug/l	99
19) Methyl tert-butyl Ether	5.789	73	132967	17.230	ug/l	99
20) Methylene Chloride	5.277	84	41032	17.160	ug/l	97
21) trans-1,2-Dichloroethene	5.789	96	35146	16.013	ug/l	93
22) Diisopropyl ether	6.665	45	131126	16.152	ug/l	98
23) Vinyl Acetate	6.600	43	448845	79.088	ug/l	99
24) 1,1-Dichloroethane	6.559	63	71446	16.679	ug/l	99
25) 2-Butanone	7.477	43	131717	81.814	ug/l	96
26) 2,2-Dichloropropane	7.489	77	63069	16.444	ug/l	99
27) cis-1,2-Dichloroethene	7.483	96	46275	16.987	ug/l	96
28) Bromochloromethane	7.812	49	35001	19.271	ug/l	92
29) Tetrahydrofuran	7.836	42	86971	80.784	ug/l	98
30) Chloroform	7.965	83	73218	17.400	ug/l	98
31) Cyclohexane	8.253	56	63904	15.246	ug/l	99
32) 1,1,1-Trichloroethane	8.165	97	61163	16.991	ug/l	94
36) 1,1-Dichloropropene	8.371	75	49034	16.222	ug/l	98
37) Ethyl Acetate	7.553	43	51711	16.249	ug/l	99
38) Carbon Tetrachloride	8.359	117	49394	17.159	ug/l	94
39) Methylcyclohexane	9.594	83	55976	15.580	ug/l	98
40) Benzene	8.600	78	165449	17.083	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.777	41	32617	17.684	ug/l	97
42) 1,2-Dichloroethane	8.671	62	56672	18.350	ug/l	99
43) Isopropyl Acetate	8.683	43	100320	16.052	ug/l	99
44) Trichloroethene	9.347	130	39511	17.213	ug/l	98
45) 1,2-Dichloropropane	9.618	63	41260	17.404	ug/l	96
46) Dibromomethane	9.706	93	28424	18.818	ug/l	98
47) Bromodichloromethane	9.882	83	59774	18.322	ug/l	96
48) Methyl methacrylate	9.677	41	46575	16.666	ug/l	97
49) 1,4-Dioxane	9.694	88	16590	348.996	ug/l	96
51) 4-Methyl-2-Pentanone	10.441	43	286051	87.780	ug/l	99
52) Toluene	10.630	92	106567	17.635	ug/l	99
53) t-1,3-Dichloropropene	10.829	75	66665	18.306	ug/l	100
54) cis-1,3-Dichloropropene	10.306	75	68950	17.238	ug/l	98
55) 1,1,2-Trichloroethane	11.012	97	41520	19.097	ug/l	97
56) Ethyl methacrylate	10.871	69	68784	17.211	ug/l	98
57) 1,3-Dichloropropane	11.159	76	70321	18.229	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.153	63	170235	89.744	ug/l	99
59) 2-Hexanone	11.188	43	210810	87.216	ug/l	100
60) Dibromochloromethane	11.353	129	44388	18.592	ug/l	97
61) 1,2-Dibromoethane	11.465	107	40574	18.494	ug/l	99
64) Tetrachloroethene	11.100	164	41814	18.322	ug/l	96
65) Chlorobenzene	11.888	112	119353	18.026	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.959	131	39863	18.250	ug/l	99
67) Ethyl Benzene	11.959	91	204767	17.138	ug/l	100
68) m/p-Xylenes	12.065	106	157251	35.126	ug/l	97
69) o-Xylene	12.394	106	79044	17.854	ug/l	98
70) Styrene	12.406	104	130916	17.747	ug/l	99
71) Bromoform	12.576	173	30000	18.242	ug/l #	99
73) Isopropylbenzene	12.694	105	193414	17.615	ug/l	99
74) N-amyl acetate	12.488	43	81893	14.982	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.935	83	58077	18.396	ug/l	98
76) 1,2,3-Trichloropropane	12.988	75	55102m	17.396	ug/l	
77) Bromobenzene	12.976	156	46375	19.062	ug/l	94
78) n-propylbenzene	13.029	91	224414	17.345	ug/l	99
79) 2-Chlorotoluene	13.123	91	143508	17.725	ug/l	99
80) 1,3,5-Trimethylbenzene	13.171	105	158109	17.593	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.729	75	22704m	17.214	ug/l	
82) 4-Chlorotoluene	13.218	91	141763	17.627	ug/l	98
83) tert-Butylbenzene	13.435	119	135775	17.436	ug/l	99
84) 1,2,4-Trimethylbenzene	13.476	105	158178	17.291	ug/l	100
85) sec-Butylbenzene	13.612	105	189130	17.510	ug/l	99
86) p-Isopropyltoluene	13.723	119	155421	17.458	ug/l	100
87) 1,3-Dichlorobenzene	13.729	146	82121	17.956	ug/l	99
88) 1,4-Dichlorobenzene	13.806	146	82389	17.885	ug/l	99
89) n-Butylbenzene	14.053	91	133735	16.947	ug/l	100
90) Hexachloroethane	14.329	117	25776	17.213	ug/l	99
91) 1,2-Dichlorobenzene	14.100	146	78660	17.740	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	10224	16.061	ug/l	98
93) 1,2,4-Trichlorobenzene	15.388	180	35930	16.922	ug/l	98
94) Hexachlorobutadiene	15.494	225	12921	16.121	ug/l	97
95) Naphthalene	15.635	128	122275	16.246	ug/l	100
96) 1,2,3-Trichlorobenzene	15.835	180	33750	16.790	ug/l	99

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

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