

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050925\
 Data File : VX046119.D
 Acq On : 09 May 2025 16:47
 Operator : JC/MD
 Sample : Q1993-02MS
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-3-20250508MS

Quant Time: May 09 23:16:56 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 06 07:12:22 2025
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/12/2025
 Supervised By : Mahesh Dadoda 05/12/2025

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	89463	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	159939	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	140865	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	66944	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	88756	53.215	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 106.420%			
35) Dibromofluoromethane	5.379	113	60317	52.371	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 104.740%			
50) Toluene-d8	8.647	98	209876	52.649	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 105.300%			
62) 4-Bromofluorobenzene	11.079	95	80689	52.770	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 105.540%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.166	85	75895	55.426	ug/l	98
3) Chloromethane	1.307	50	72107	54.303	ug/l	98
4) Vinyl Chloride	1.374	62	64758	52.400	ug/l	99
5) Bromomethane	1.599	94	28125	49.066	ug/l	98
6) Chloroethane	1.672	64	39474	59.832	ug/l	94
7) Trichlorofluoromethane	1.880	101	100313	54.922	ug/l	100
8) Diethyl Ether	2.136	74	32012	51.486	ug/l	97
9) 1,1,2-Trichlorotrifluo...	2.325	101	57390	50.774	ug/l	98
10) Methyl Iodide	2.447	142	72310	54.066	ug/l	99
11) Tert butyl alcohol	2.971	59	56320	240.561	ug/l	99
12) 1,1-Dichloroethene	2.313	96	54633	51.501	ug/l	97
13) Acrolein	2.233	56	82812	310.593	ug/l	100
14) Allyl chloride	2.660	41	109789	54.153	ug/l	97
15) Acrylonitrile	3.062	53	177127	264.586	ug/l	97
16) Acetone	2.380	43	170594	255.097	ug/l	97
17) Carbon Disulfide	2.508	76	142141	56.518	ug/l	100
18) Methyl Acetate	2.703	43	78688	50.707	ug/l	98
19) Methyl tert-butyl Ether	3.111	73	195761	52.636	ug/l	98
20) Methylene Chloride	2.788	84	64471	50.308	ug/l	93
21) trans-1,2-Dichloroethene	3.087	96	56413	52.880	ug/l	97
22) Diisopropyl ether	3.757	45	210894	53.851	ug/l	96
23) Vinyl Acetate	3.721	43	915553	265.806	ug/l	99
24) 1,1-Dichloroethane	3.605	63	117441	53.841	ug/l	99
25) 2-Butanone	4.556	43	256138	263.824	ug/l	99
26) 2,2-Dichloropropane	4.471	77	77210	45.224	ug/l	98
27) cis-1,2-Dichloroethene	4.483	96	68836	53.600	ug/l	97
28) Bromochloromethane	4.891	49	55529	52.888	ug/l	98
29) Tetrahydrofuran	5.001	42	163150	268.176	ug/l	98
30) Chloroform	5.086	83	121210	53.314	ug/l	92
31) Cyclohexane	5.464	56	104273	52.460	ug/l	99
32) 1,1,1-Trichloroethane	5.379	97	103138	52.333	ug/l	99
36) 1,1-Dichloropropene	5.684	75	78794	50.918	ug/l	100
37) Ethyl Acetate	4.715	43	94082	49.209	ug/l	100
38) Carbon Tetrachloride	5.672	117	89439	51.440	ug/l	98
39) Methylcyclohexane	7.379	83	99052	49.719	ug/l	99
40) Benzene	6.031	78	235780	52.018	ug/l	98

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41) Methacrylonitrile	4.916	41	56784	56.776	ug/l	99
42) 1,2-Dichloroethane	6.080	62	101300	51.782	ug/l	99
43) Isopropyl Acetate	6.336	43	152703	52.355	ug/l	99
44) Trichloroethene	7.117	130	56560	51.846	ug/l	98
45) 1,2-Dichloropropane	7.427	63	59360	52.667	ug/l	98
46) Dibromomethane	7.580	93	45520	51.207	ug/l	99
47) Bromodichloromethane	7.818	83	93114	53.183	ug/l	97
48) Methyl methacrylate	7.690	41	81296	54.576	ug/l	99
49) 1,4-Dioxane	7.659	88	27908	986.734	ug/l	97
51) 4-Methyl-2-Pentanone	8.574	43	517284	267.183	ug/l	99
52) Toluene	8.714	92	145518	52.357	ug/l	100
53) t-1,3-Dichloropropene	8.976	75	80470	51.709	ug/l	100
54) cis-1,3-Dichloropropene	8.366	75	89145	51.828	ug/l	93
55) 1,1,2-Trichloroethane	9.147	97	57966	52.893	ug/l	98
56) Ethyl methacrylate	9.116	69	94760	54.253	ug/l	99
57) 1,3-Dichloropropane	9.305	76	100895	51.263	ug/l	98
59) 2-Hexanone	9.427	43	386611	269.910	ug/l	100
60) Dibromochloromethane	9.519	129	65472	54.399	ug/l	99
61) 1,2-Dibromoethane	9.604	107	59872	52.564	ug/l	98
64) Tetrachloroethene	9.269	164	47879	48.039	ug/l	95
65) Chlorobenzene	10.073	112	153394	49.752	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.159	131	53060	50.398	ug/l	98
67) Ethyl Benzene	10.189	91	282897	52.053	ug/l	99
68) m/p-Xylenes	10.299	106	206356	103.814	ug/l	98
69) o-Xylene	10.640	106	100981	52.109	ug/l	96
70) Styrene	10.652	104	170348	53.662	ug/l	99
71) Bromoform	10.799	173	41859	52.957	ug/l #	97
73) Isopropylbenzene	10.957	105	271476	52.089	ug/l	99
74) N-amyl acetate	10.841	43	135448	52.593	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.207	83	89960	49.256	ug/l	100
76) 1,2,3-Trichloropropane	11.238	75	79301m	49.213	ug/l	
77) Bromobenzene	11.195	156	60827	50.271	ug/l	99
78) n-propylbenzene	11.299	91	317919	52.462	ug/l	100
79) 2-Chlorotoluene	11.360	91	195256	49.954	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	228563	52.494	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	22991	46.452	ug/l	99
82) 4-Chlorotoluene	11.451	91	226421	52.235	ug/l	99
83) tert-Butylbenzene	11.713	119	228954	52.203	ug/l	98
84) 1,2,4-Trimethylbenzene	11.750	105	230596	52.298	ug/l	99
85) sec-Butylbenzene	11.890	105	285435	53.005	ug/l	98
86) p-Isopropyltoluene	12.006	119	234655	52.791	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	113078	51.207	ug/l	99
88) 1,4-Dichlorobenzene	12.036	146	113224	50.205	ug/l	99
89) n-Butylbenzene	12.329	91	206967	53.082	ug/l	99
90) Hexachloroethane	12.536	117	40449	51.653	ug/l	98
91) 1,2-Dichlorobenzene	12.335	146	113955	51.424	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	20926	51.719	ug/l	100
93) 1,2,4-Trichlorobenzene	13.585	180	64042	50.317	ug/l	98
94) Hexachlorobutadiene	13.725	225	27737	49.898	ug/l	97
95) Naphthalene	13.774	128	236038	50.564	ug/l	100
96) 1,2,3-Trichlorobenzene	13.957	180	65670	50.005	ug/l	99

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

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