

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100225\
 Data File : VX047978.D
 Acq On : 02 Oct 2025 18:37
 Operator : JC/MD
 Sample : Q3194-04MSD
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RW11-MW01S-20250922MSD

Quant Time: Oct 03 03:36:15 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 17 06:39:58 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 10/03/2025
 Supervised By : Mahesh Dadoda 10/03/2025

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

Internal Standards						
1) Pentafluorobenzene	5.544	168	116098	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	213541	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	197282	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	99094	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	99604	53.899	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 107.800%			
35) Dibromofluoromethane	5.373	113	77289	53.968	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 107.940%			
50) Toluene-d8	8.634	98	258091	52.082	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 104.160%			
62) 4-Bromofluorobenzene	11.067	95	98893	52.584	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 105.160%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.172	85	61169	50.880	ug/l	98
3) Chloromethane	1.300	50	79490	50.309	ug/l	98
4) Vinyl Chloride	1.380	62	81063	52.411	ug/l	98
5) Bromomethane	1.617	94	53056	54.096	ug/l	92
6) Chloroethane	1.697	64	55763	53.943	ug/l	95
7) Trichlorofluoromethane	1.898	101	119482	52.028	ug/l	98
8) Diethyl Ether	2.136	74	51887	55.232	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.337	101	67993	50.634	ug/l	99
10) Methyl Iodide	2.459	142	101099	48.274	ug/l	100
11) Tert butyl alcohol	2.940	59	48411	235.214	ug/l	96
12) 1,1-Dichloroethene	2.325	96	72155	52.310	ug/l	97
13) Acrolein	2.239	56	47408	249.959	ug/l	99
14) Allyl chloride	2.666	41	133566	46.925	ug/l	98
15) Acrylonitrile	3.062	53	221677	290.778	ug/l	98
16) Acetone	2.373	43	173625	216.083	ug/l	98
17) Carbon Disulfide	2.520	76	184402	48.833	ug/l	100
18) Methyl Acetate	2.703	43	82127	45.927	ug/l	100
19) Methyl tert-butyl Ether	3.111	73	281063	55.819	ug/l	100
20) Methylene Chloride	2.788	84	92314	54.276	ug/l	98
21) trans-1,2-Dichloroethene	3.093	96	80531	54.228	ug/l	98
22) Diisopropyl ether	3.751	45	311756	56.515	ug/l	100
23) Vinyl Acetate	3.715	43	906962	205.429	ug/l	100
24) 1,1-Dichloroethane	3.611	63	166457	56.773	ug/l	97
25) 2-Butanone	4.544	43	258185	257.598	ug/l	98
26) 2,2-Dichloropropane	4.464	77	58087	23.833	ug/l	91
27) cis-1,2-Dichloroethene	4.483	96	102150	56.167	ug/l	92
28) Bromochloromethane	4.885	49	73887	57.724	ug/l	100
29) Tetrahydrofuran	4.989	42	166828	276.687	ug/l	100
30) Chloroform	5.080	83	173948	58.710	ug/l	99
31) Cyclohexane	5.464	56	117431	48.089	ug/l	95
32) 1,1,1-Trichloroethane	5.373	97	138568	55.138	ug/l	99
36) 1,1-Dichloropropene	5.684	75	103687	49.548	ug/l	99
37) Ethyl Acetate	4.702	43	89177	39.800	ug/l	100
38) Carbon Tetrachloride	5.665	117	116111	51.067	ug/l	97
39) Methylcyclohexane	7.366	83	105483	44.405	ug/l	97
40) Benzene	6.025	78	341907	53.793	ug/l	99

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41) Methacrylonitrile	4.910	41	65310	56.460	ug/l	98
42) 1,2-Dichloroethane	6.074	62	130901	54.128	ug/l	100
43) Isopropyl Acetate	6.330	43	163488	44.489	ug/l	99
44) Trichloroethene	7.116	130	81650	53.135	ug/l	97
45) 1,2-Dichloropropane	7.415	63	91102	55.976	ug/l	99
46) Dibromomethane	7.568	93	65688	55.463	ug/l	97
47) Bromodichloromethane	7.805	83	139346	57.016	ug/l	97
48) Methyl methacrylate	7.677	41	96325	52.623	ug/l	98
49) 1,4-Dioxane	7.647	88	20187	1091.261	ug/l	95
51) 4-Methyl-2-Pentanone	8.561	43	573272	281.364	ug/l	99
52) Toluene	8.702	92	213687	54.569	ug/l	100
53) t-1,3-Dichloropropene	8.964	75	120685	48.412	ug/l	99
54) cis-1,3-Dichloropropene	8.354	75	128387	48.184	ug/l	100
55) 1,1,2-Trichloroethane	9.134	97	86946	57.582	ug/l	99
56) Ethyl methacrylate	9.104	69	130820	55.167	ug/l	99
57) 1,3-Dichloropropane	9.293	76	150246	57.924	ug/l	98
59) 2-Hexanone	9.415	43	390290	266.715	ug/l	98
60) Dibromochloromethane	9.506	129	102645	58.998	ug/l	100
61) 1,2-Dibromoethane	9.592	107	90009	58.525	ug/l	99
64) Tetrachloroethene	9.262	164	62957	48.953	ug/l	94
65) Chlorobenzene	10.061	112	239247	53.381	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.146	131	86337	55.825	ug/l	99
67) Ethyl Benzene	10.177	91	400676	51.813	ug/l	100
68) m/p-Xylenes	10.287	106	301915	104.892	ug/l	99
69) o-Xylene	10.628	106	147288	52.905	ug/l	99
70) Styrene	10.640	104	262184	53.747	ug/l	99
71) Bromoform	10.780	173	65050	56.329	ug/l #	99
73) Isopropylbenzene	10.945	105	373328	49.554	ug/l	99
74) N-amyl acetate	10.829	43	128297	37.344	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.195	83	122200	53.612	ug/l	99
76) 1,2,3-Trichloropropane	11.219	75	91998m	45.854	ug/l	
77) Bromobenzene	11.183	156	93370	50.320	ug/l	99
78) n-propylbenzene	11.286	91	440421	49.453	ug/l	100
79) 2-Chlorotoluene	11.347	91	272585	49.973	ug/l	99
80) 1,3,5-Trimethylbenzene	11.433	105	307477	49.676	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.000	75	27955	35.532	ug/l	96
82) 4-Chlorotoluene	11.439	91	320398	49.734	ug/l	98
83) tert-Butylbenzene	11.701	119	317255	50.070	ug/l	98
84) 1,2,4-Trimethylbenzene	11.731	105	314185	50.067	ug/l	100
85) sec-Butylbenzene	11.872	105	366398	48.683	ug/l	100
86) p-Isopropyltoluene	11.994	119	307798	48.307	ug/l	99
87) 1,3-Dichlorobenzene	11.951	146	172191	49.962	ug/l	100
88) 1,4-Dichlorobenzene	12.024	146	174566	49.351	ug/l	99
89) n-Butylbenzene	12.317	91	277475	47.064	ug/l	98
90) Hexachloroethane	12.518	117	57614	51.502	ug/l	99
91) 1,2-Dichlorobenzene	12.317	146	169832	51.724	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.920	75	22388	48.514	ug/l	95
93) 1,2,4-Trichlorobenzene	13.567	180	101535	47.581	ug/l	99
94) Hexachlorobutadiene	13.707	225	32799	45.250	ug/l	98
95) Naphthalene	13.756	128	325917	50.156	ug/l	99
96) 1,2,3-Trichlorobenzene	13.938	180	101152	50.957	ug/l	97

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

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