

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092325\
 Data File : VX047766.D
 Acq On : 24 Sep 2025 10:29
 Operator : JC/MD
 Sample : Q3127-15MSD
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 55 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TT119S1-20250916MSD

Quant Time: Sep 25 01:22:33 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 09/25/2025
 Supervised By : Mahesh Dadoda 09/26/2025

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

Internal Standards						
1) Pentafluorobenzene	5.537	168	140540	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.745	114	263800	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	242484	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	118812	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	122041	54.555	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 109.100%			
35) Dibromofluoromethane	5.379	113	93651	52.934	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 105.860%			
50) Toluene-d8	8.634	98	324432	52.997	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 106.000%			
62) 4-Bromofluorobenzene	11.061	95	121144	52.143	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 104.280%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.172	85	78164	53.709	ug/l	98
3) Chloromethane	1.300	50	103442	54.082	ug/l	100
4) Vinyl Chloride	1.380	62	98667	52.698	ug/l	99
5) Bromomethane	1.617	94	61941	52.172	ug/l	99
6) Chloroethane	1.691	64	63968	51.118	ug/l	97
7) Trichlorofluoromethane	1.892	101	136597	49.136	ug/l	99
8) Diethyl Ether	2.136	74	58432	51.382	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.337	101	77240	47.517	ug/l	99
10) Methyl Iodide	2.453	142	127419	50.260	ug/l	99
11) Tert butyl alcohol	2.946	59	68124	273.429	ug/l	100
12) 1,1-Dichloroethene	2.325	96	84585	50.657	ug/l	97
13) Acrolein	2.233	56	60634	264.093	ug/l	98
14) Allyl chloride	2.666	41	155505	45.131	ug/l	96
15) Acrylonitrile	3.056	53	273368	296.220	ug/l	99
16) Acetone	2.373	43	220676	226.876	ug/l	97
17) Carbon Disulfide	2.514	76	233220	51.020	ug/l	98
18) Methyl Acetate	2.703	43	99990	46.192	ug/l	99
19) Methyl tert-butyl Ether	3.111	73	318954	52.327	ug/l	99
20) Methylene Chloride	2.788	84	106518	51.736	ug/l	94
21) trans-1,2-Dichloroethene	3.093	96	92407	51.403	ug/l	97
22) Diisopropyl ether	3.751	45	345751	51.777	ug/l	99
23) Vinyl Acetate	3.715	43	1126965	210.866	ug/l	99
24) 1,1-Dichloroethane	3.605	63	183550	51.715	ug/l	97
25) 2-Butanone	4.544	43	336981	277.742	ug/l	97
26) 2,2-Dichloropropane	4.464	77	69928	23.702	ug/l	93
27) cis-1,2-Dichloroethene	4.477	96	114979	52.226	ug/l	93
28) Bromochloromethane	4.885	49	82289	53.107	ug/l	99
29) Tetrahydrofuran	4.989	42	218570	299.458	ug/l	99
30) Chloroform	5.080	83	188182	52.468	ug/l	99
31) Cyclohexane	5.458	56	140755	47.616	ug/l	98
32) 1,1,1-Trichloroethane	5.373	97	152316	50.068	ug/l	98
36) 1,1-Dichloropropene	5.684	75	117789	45.563	ug/l	98
37) Ethyl Acetate	4.702	43	119116	43.033	ug/l	99
38) Carbon Tetrachloride	5.665	117	128218	45.648	ug/l	96
39) Methylcyclohexane	7.366	83	125209	42.667	ug/l	98
40) Benzene	6.025	78	388475	49.475	ug/l	99

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41) Methacrylonitrile	4.910	41	76713	53.683	ug/l	98
42) 1,2-Dichloroethane	6.074	62	144322	48.308	ug/l	98
43) Isopropyl Acetate	6.324	43	206983	45.594	ug/l	99
44) Trichloroethene	7.110	130	96186	50.669	ug/l	94
45) 1,2-Dichloropropane	7.415	63	102389	50.925	ug/l	100
46) Dibromomethane	7.568	93	74522	50.934	ug/l	98
47) Bromodichloromethane	7.805	83	150885	49.975	ug/l	98
48) Methyl methacrylate	7.677	41	118201	52.272	ug/l	98
49) 1,4-Dioxane	7.647	88	30177	1320.503	ug/l	99
51) 4-Methyl-2-Pentanone	8.561	43	713169	283.339	ug/l	100
52) Toluene	8.702	92	239265	49.460	ug/l	99
53) t-1,3-Dichloropropene	8.964	75	137290	44.580	ug/l	99
54) cis-1,3-Dichloropropene	8.354	75	146478	44.500	ug/l	98
55) 1,1,2-Trichloroethane	9.134	97	98487	52.799	ug/l	99
56) Ethyl methacrylate	9.104	69	155097	52.944	ug/l	98
57) 1,3-Dichloropropane	9.293	76	166321	51.905	ug/l	99
59) 2-Hexanone	9.415	43	501366	277.346	ug/l	99
60) Dibromochloromethane	9.506	129	110973	51.633	ug/l	99
61) 1,2-Dibromoethane	9.592	107	103024	54.225	ug/l	99
64) Tetrachloroethene	9.256	164	71709	45.364	ug/l	98
65) Chlorobenzene	10.061	112	264526	48.019	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.146	131	91748	48.265	ug/l	98
67) Ethyl Benzene	10.177	91	449782	47.321	ug/l	97
68) m/p-Xylenes	10.287	106	335920	94.951	ug/l	99
69) o-Xylene	10.628	106	166511	48.660	ug/l	96
70) Styrene	10.640	104	291516	48.620	ug/l	99
71) Bromoform	10.780	173	74058	52.175	ug/l #	97
73) Isopropylbenzene	10.945	105	412339	45.649	ug/l	99
74) N-amyl acetate	10.829	43	163374	39.662	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.195	83	142362	52.092	ug/l	100
76) 1,2,3-Trichloropropane	11.219	75	108534m	45.118	ug/l	
77) Bromobenzene	11.183	156	106503	47.872	ug/l	97
78) n-propylbenzene	11.286	91	487805	45.683	ug/l	99
79) 2-Chlorotoluene	11.347	91	299902	45.856	ug/l	98
80) 1,3,5-Trimethylbenzene	11.433	105	341436	46.008	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.000	75	35045	37.151	ug/l	99
82) 4-Chlorotoluene	11.439	91	352975	45.698	ug/l	99
83) tert-Butylbenzene	11.695	119	352830	46.443	ug/l	97
84) 1,2,4-Trimethylbenzene	11.731	105	350456	46.579	ug/l	100
85) sec-Butylbenzene	11.872	105	403421	44.707	ug/l	99
86) p-Isopropyltoluene	11.994	119	339966	44.501	ug/l	99
87) 1,3-Dichlorobenzene	11.951	146	191954	46.453	ug/l	100
88) 1,4-Dichlorobenzene	12.024	146	194966	45.971	ug/l	99
89) n-Butylbenzene	12.317	91	303064	42.873	ug/l	99
90) Hexachloroethane	12.518	117	62193	46.369	ug/l	99
91) 1,2-Dichlorobenzene	12.317	146	187985	47.751	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	12.920	75	28153	50.882	ug/l	94
93) 1,2,4-Trichlorobenzene	13.567	180	117712	46.007	ug/l	98
94) Hexachlorobutadiene	13.707	225	37366	42.996	ug/l	98
95) Naphthalene	13.755	128	396761	50.925	ug/l	100
96) 1,2,3-Trichlorobenzene	13.938	180	116108	48.784	ug/l	98

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

