

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092525\
 Data File : VX047822.D
 Acq On : 25 Sep 2025 18:48
 Operator : JC/MD
 Sample : Q3165-10MSD
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-VPB-184-GW-320-322MSD

Quant Time: Sep 26 01:34:41 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 09/26/2025
 Supervised By :Mahesh Dadoda 09/29/2025

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

Internal Standards						
1) Pentafluorobenzene	5.544	168	107908	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	210706	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	179962	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	77374	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	106191	61.824	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 123.640%#			
35) Dibromofluoromethane	5.379	113	79933	56.565	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 113.140%			
50) Toluene-d8	8.634	98	243759	49.852	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 99.700%			
62) 4-Bromofluorobenzene	11.067	95	85282	45.957	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 91.920%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.172	85	60113	53.797	ug/l	99
3) Chloromethane	1.300	50	100173	68.211	ug/l	100
4) Vinyl Chloride	1.380	62	91748	63.821	ug/l	100
5) Bromomethane	1.611	94	59235	64.980	ug/l	93
6) Chloroethane	1.697	64	63559	66.151	ug/l	100
7) Trichlorofluoromethane	1.898	101	112813	52.852	ug/l	99
8) Diethyl Ether	2.136	74	59102	67.688	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.337	101	52017	41.677	ug/l	99
10) Methyl Iodide	2.459	142	107715	55.337	ug/l	99
11) Tert butyl alcohol	2.946	59	63338	331.097	ug/l	100
12) 1,1-Dichloroethene	2.325	96	79236	61.804	ug/l	98
13) Acrolein	2.239	56	40831	231.621	ug/l	98
14) Allyl chloride	2.666	41	103872	39.263	ug/l	92
15) Acrylonitrile	3.062	53	251532	354.981	ug/l	100
16) Acetone	2.373	43	227178	304.191	ug/l	98
17) Carbon Disulfide	2.520	76	155316	44.253	ug/l	99
18) Methyl Acetate	2.703	43	93258	56.110	ug/l	99
19) Methyl tert-butyl Ether	3.111	73	318759	68.110	ug/l	99
20) Methylene Chloride	2.788	84	105913	66.998	ug/l	97
21) trans-1,2-Dichloroethene	3.093	96	79701	57.742	ug/l	97
22) Diisopropyl ether	3.757	45	345679	67.421	ug/l	90
23) Vinyl Acetate	3.715	43	997105	242.988	ug/l	99
24) 1,1-Dichloroethane	3.611	63	177714	65.213	ug/l	98
25) 2-Butanone	4.544	43	331790	356.161	ug/l	98
26) 2,2-Dichloropropane	4.465	77	45532	20.100	ug/l	86
27) cis-1,2-Dichloroethene	4.483	96	107566	63.633	ug/l	91
28) Bromochloromethane	4.891	49	79267	66.627	ug/l	99
29) Tetrahydrofuran	4.989	42	209392	373.639	ug/l	100
30) Chloroform	5.080	83	190851	69.304	ug/l	98
31) Cyclohexane	5.464	56	85029	37.463	ug/l	99
32) 1,1,1-Trichloroethane	5.373	97	137022	58.661	ug/l	100
36) 1,1-Dichloropropene	5.684	75	93202	45.137	ug/l	98
37) Ethyl Acetate	4.702	43	109929	49.721	ug/l	98
38) Carbon Tetrachloride	5.666	117	79969	35.644	ug/l	99
39) Methylcyclohexane	7.366	83	63696	27.175	ug/l	98
40) Benzene	6.025	78	364974	58.195	ug/l	99

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41) Methacrylonitrile	4.903	41	71928	63.018	ug/l	98
42) 1,2-Dichloroethane	6.074	62	142572	59.747	ug/l	98
43) Isopropyl Acetate	6.324	43	196479	54.186	ug/l	100
44) Trichloroethene	7.110	130	85262	56.233	ug/l	96
45) 1,2-Dichloropropane	7.415	63	98109	61.092	ug/l	100
46) Dibromomethane	7.568	93	73769	63.124	ug/l	98
47) Bromodichloromethane	7.805	83	108137	44.842	ug/l	100
48) Methyl methacrylate	7.677	41	113105	62.622	ug/l	97
49) 1,4-Dioxane	7.641	88	29459	1613.910	ug/l	99
51) 4-Methyl-2-Pentanone	8.555	43	698942	347.659	ug/l	99
52) Toluene	8.702	92	205447	53.171	ug/l	99
53) t-1,3-Dichloropropene	8.964	75	103660	42.142	ug/l	98
54) cis-1,3-Dichloropropene	8.354	75	111553	42.430	ug/l	99
55) 1,1,2-Trichloroethane	9.134	97	96413	64.711	ug/l	98
56) Ethyl methacrylate	9.104	69	146418	62.576	ug/l	96
57) 1,3-Dichloropropane	9.293	76	164190	64.152	ug/l	99
59) 2-Hexanone	9.415	43	483745	335.028	ug/l	99
60) Dibromochloromethane	9.506	129	75519	43.991	ug/l	98
61) 1,2-Dibromoethane	9.592	107	96234	63.414	ug/l	100
64) Tetrachloroethene	9.262	164	58270	49.669	ug/l	92
65) Chlorobenzene	10.061	112	220566	53.949	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.146	131	77077	54.634	ug/l	99
67) Ethyl Benzene	10.177	91	345906	49.035	ug/l	100
68) m/p-Xylenes	10.287	106	255885	97.456	ug/l	99
69) o-Xylene	10.628	106	131180	51.654	ug/l	99
70) Styrene	10.640	104	188173	42.287	ug/l	98
71) Bromoform	10.780	173	45452	43.147	ug/l #	98
73) Isopropylbenzene	10.945	105	295176	50.179	ug/l	99
74) N-amyl acetate	10.829	43	140353	52.322	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.195	83	136370	76.623	ug/l	99
76) 1,2,3-Trichloropropane	11.219	75	102906m	65.688	ug/l	
77) Bromobenzene	11.183	156	84966	58.645	ug/l	98
78) n-propylbenzene	11.286	91	328331	47.216	ug/l	100
79) 2-Chlorotoluene	11.347	91	222063	52.139	ug/l	98
80) 1,3,5-Trimethylbenzene	11.433	105	237879	49.220	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.000	75	20418	33.237	ug/l	99
82) 4-Chlorotoluene	11.439	91	257279	51.147	ug/l	99
83) tert-Butylbenzene	11.695	119	241036	48.720	ug/l	96
84) 1,2,4-Trimethylbenzene	11.732	105	249135	50.846	ug/l	100
85) sec-Butylbenzene	11.872	105	255708	43.514	ug/l	99
86) p-Isopropyltoluene	11.994	119	215443	43.305	ug/l	99
87) 1,3-Dichlorobenzene	11.951	146	137631	51.144	ug/l	99
88) 1,4-Dichlorobenzene	12.024	146	140359	50.819	ug/l	99
89) n-Butylbenzene	12.317	91	175511	38.126	ug/l	99
90) Hexachloroethane	12.518	117	34292	39.259	ug/l	99
91) 1,2-Dichlorobenzene	12.317	146	143420	55.941	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.920	75	24748	68.682	ug/l	97
93) 1,2,4-Trichlorobenzene	13.567	180	71365	42.831	ug/l	100
94) Hexachlorobutadiene	13.707	225	17308	30.582	ug/l	99
95) Naphthalene	13.756	128	294138	57.972	ug/l	100
96) 1,2,3-Trichlorobenzene	13.945	180	74862	48.300	ug/l	98

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

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