

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121625\
 Data File : VX048896.D
 Acq On : 16 Dec 2025 18:50
 Operator : JC/MD
 Sample : VX1216WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1216WBS01

Quant Time: Dec 17 03:27:23 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121625W.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 17 03:22:16 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 12/17/2025
 Supervised By :Semsettin Yesilyurt 12/17/2025

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

Internal Standards						
1) Pentafluorobenzene	5.538	168	84712	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.745	114	147614	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	138833	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	71548	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	73309	51.772	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 103.540%			
35) Dibromofluoromethane	5.367	113	57245	52.174	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 104.340%			
50) Toluene-d8	8.635	98	202524	51.703	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 103.400%			
62) 4-Bromofluorobenzene	11.061	95	70394	50.055	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 100.120%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.173	85	21190	21.736	ug/l	97
3) Chloromethane	1.301	50	24592	20.219	ug/l	95
4) Vinyl Chloride	1.380	62	22986	20.764	ug/l	96
5) Bromomethane	1.618	94	17051	22.901	ug/l	97
6) Chloroethane	1.697	64	14155	21.006	ug/l	93
7) Trichlorofluoromethane	1.898	101	33744	21.146	ug/l	96
8) Diethyl Ether	2.136	74	13447	21.658	ug/l	92
9) 1,1,2-Trichlorotrifluo...	2.337	101	19319	21.460	ug/l	98
10) Methyl Iodide	2.459	142	25927	20.314	ug/l	99
11) Tert butyl alcohol	2.934	59	10410	127.434	ug/l	95
12) 1,1-Dichloroethene	2.325	96	19043	21.523	ug/l	98
13) Acrolein	2.233	56	10155	116.817	ug/l	94
14) Allyl chloride	2.666	41	37334	20.370	ug/l	94
15) Acrylonitrile	3.056	53	48463	108.383	ug/l	96
16) Acetone	2.374	43	32870	110.200	ug/l	90
17) Carbon Disulfide	2.514	76	53747	20.131	ug/l	100
18) Methyl Acetate	2.697	43	21165	21.999	ug/l	96
19) Methyl tert-butyl Ether	3.105	73	70636	22.233	ug/l	97
20) Methylene Chloride	2.788	84	25225	20.476	ug/l	95
21) trans-1,2-Dichloroethene	3.093	96	20637	20.762	ug/l	95
22) Diisopropyl ether	3.751	45	83338	20.622	ug/l	93
23) Vinyl Acetate	3.715	43	314008	106.296	ug/l	94
24) 1,1-Dichloroethane	3.605	63	43161	20.254	ug/l	97
25) 2-Butanone	4.544	43	54219	115.884	ug/l	92
26) 2,2-Dichloropropane	4.459	77	35496	20.360	ug/l	98
27) cis-1,2-Dichloroethene	4.477	96	26189	20.579	ug/l	90
28) Bromochloromethane	4.885	49	22959	21.200	ug/l #	79
29) Tetrahydrofuran	4.983	42	36178	107.719	ug/l	88
30) Chloroform	5.080	83	45676	21.267	ug/l	97
31) Cyclohexane	5.458	56	32167	20.222	ug/l	85
32) 1,1,1-Trichloroethane	5.373	97	37592	20.378	ug/l	95
36) 1,1-Dichloropropene	5.684	75	28606	20.774	ug/l	95
37) Ethyl Acetate	4.696	43	28572	21.723	ug/l #	96
38) Carbon Tetrachloride	5.666	117	32531	19.820	ug/l	98
39) Methylcyclohexane	7.367	83	31653	20.454	ug/l	98
40) Benzene	6.025	78	90954	19.924	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.898	41	14008	21.165	ug/l	90
42) 1,2-Dichloroethane	6.068	62	34359	20.309	ug/l	96
43) Isopropyl Acetate	6.318	43	46346	21.249	ug/l #	94
44) Trichloroethene	7.111	130	22507	19.773	ug/l	98
45) 1,2-Dichloropropane	7.415	63	24836	20.103	ug/l	100
46) Dibromomethane	7.568	93	16776	20.722	ug/l	96
47) Bromodichloromethane	7.806	83	37663	21.038	ug/l	97
48) Methyl methacrylate	7.684	41	23892	22.389	ug/l	91
49) 1,4-Dioxane	7.641	88	4216	433.681	ug/l	91
51) 4-Methyl-2-Pentanone	8.555	43	138865	113.790	ug/l	92
52) Toluene	8.702	92	56222	20.531	ug/l	94
53) t-1,3-Dichloropropene	8.964	75	35998	20.734	ug/l	100
54) cis-1,3-Dichloropropene	8.348	75	39916	21.233	ug/l	96
55) 1,1,2-Trichloroethane	9.135	97	22171	20.852	ug/l	93
56) Ethyl methacrylate	9.098	69	33083	22.961	ug/l	92
57) 1,3-Dichloropropane	9.293	76	38493	20.719	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.226	63	95778	110.916	ug/l	94
59) 2-Hexanone	9.415	43	92468	111.419	ug/l	93
60) Dibromochloromethane	9.506	129	26810	20.368	ug/l	97
61) 1,2-Dibromoethane	9.592	107	22671	21.783	ug/l	100
64) Tetrachloroethene	9.257	164	18284	20.479	ug/l	98
65) Chlorobenzene	10.061	112	63733	20.463	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.147	131	23218	20.935	ug/l	99
67) Ethyl Benzene	10.177	91	108249	20.505	ug/l	96
68) m/p-Xylenes	10.281	106	81737	42.043	ug/l	98
69) o-Xylene	10.622	106	39507	20.922	ug/l	98
70) Styrene	10.640	104	67853	21.259	ug/l	99
71) Bromoform	10.781	173	17587	21.224	ug/l #	100
73) Isopropylbenzene	10.945	105	101278	20.744	ug/l	99
74) N-amyl acetate	10.823	43	43103	20.855	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.195	83	29216	20.323	ug/l	98
76) 1,2,3-Trichloropropane	11.220	75	22211m	19.307	ug/l	
77) Bromobenzene	11.183	156	26139	20.938	ug/l	98
78) n-propylbenzene	11.287	91	120953	20.448	ug/l	100
79) 2-Chlorotoluene	11.348	91	74541	20.412	ug/l	96
80) 1,3,5-Trimethylbenzene	11.433	105	83867	20.915	ug/l	98
81) trans-1,4-Dichloro-2-b...	11.000	75	9101	20.092	ug/l #	89
82) 4-Chlorotoluene	11.433	91	86106	20.565	ug/l	99
83) tert-Butylbenzene	11.695	119	86079	20.779	ug/l	100
84) 1,2,4-Trimethylbenzene	11.732	105	85620	21.134	ug/l	97
85) sec-Butylbenzene	11.872	105	105619	20.679	ug/l	100
86) p-Isopropyltoluene	11.988	119	88453	21.131	ug/l	99
87) 1,3-Dichlorobenzene	11.951	146	48301	20.621	ug/l	99
88) 1,4-Dichlorobenzene	12.024	146	49481	20.137	ug/l	99
89) n-Butylbenzene	12.317	91	84713	21.156	ug/l	98
90) Hexachloroethane	12.518	117	18482	20.521	ug/l	96
91) 1,2-Dichlorobenzene	12.317	146	48269	20.844	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.921	75	5035	19.572	ug/l	99
93) 1,2,4-Trichlorobenzene	13.567	180	29457	22.126	ug/l	99
94) Hexachlorobutadiene	13.707	225	11830	20.577	ug/l	99
95) Naphthalene	13.756	128	77640	23.086	ug/l	99
96) 1,2,3-Trichlorobenzene	13.939	180	27070	22.628	ug/l	99

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

