

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121225\
 Data File : VX048843.D
 Acq On : 12 Dec 2025 10:52
 Operator : JC/MD
 Sample : VX1212WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1212WBS01

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 12/16/2025
 Supervised By :Semsettin Yesilyurt 12/16/2025

Quant Time: Dec 12 22:09:13 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X120425W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 05 03:27:34 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.538	168	146797	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.739	114	247822	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	232443	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	121851	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.934	65	118663	60.226	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 120.460%#			
35) Dibromofluoromethane	5.367	113	96398	56.494	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 112.980%			
50) Toluene-d8	8.629	98	332830	55.645	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 111.300%			
62) 4-Bromofluorobenzene	11.061	95	124546	60.385	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 120.760%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.173	85	33486	22.388	ug/l	100
3) Chloromethane	1.301	50	36390	19.280	ug/l	97
4) Vinyl Chloride	1.380	62	36399	18.108	ug/l	99
5) Bromomethane	1.618	94	27718	22.314	ug/l	96
6) Chloroethane	1.697	64	23654	18.908	ug/l	98
7) Trichlorofluoromethane	1.898	101	55831	19.379	ug/l	99
8) Diethyl Ether	2.130	74	21596	18.781	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.337	101	30852	18.473	ug/l	98
10) Methyl Iodide	2.453	142	44770	18.829	ug/l	95
11) Tert butyl alcohol	2.941	59	13870	43.602	ug/l	98
12) 1,1-Dichloroethene	2.325	96	30789	18.062	ug/l	96
13) Acrolein	2.233	56	22435	101.486	ug/l	96
14) Allyl chloride	2.666	41	59812	20.899	ug/l	96
15) Acrylonitrile	3.056	53	71257	71.890	ug/l	98
16) Acetone	2.374	43	42945	56.936	ug/l	98
17) Carbon Disulfide	2.514	76	86753	17.525	ug/l	100
18) Methyl Acetate	2.697	43	31147	14.677	ug/l	98
19) Methyl tert-butyl Ether	3.111	73	106158	19.136	ug/l	94
20) Methylene Chloride	2.788	84	37828	20.065	ug/l	97
21) trans-1,2-Dichloroethene	3.093	96	33578	19.300	ug/l	97
22) Diisopropyl ether	3.751	45	124793	23.331	ug/l	86
23) Vinyl Acetate	3.715	43	445259	99.073	ug/l	97
24) 1,1-Dichloroethane	3.599	63	67542	22.645	ug/l	99
25) 2-Butanone	4.544	43	70706	63.515	ug/l	90
26) 2,2-Dichloropropane	4.465	77	54484	20.645	ug/l	100
27) cis-1,2-Dichloroethene	4.477	96	41827	21.305	ug/l	95
28) Bromochloromethane	4.885	49	27185	18.595	ug/l	85
29) Tetrahydrofuran	4.995	42	48328	56.854	ug/l	90
30) Chloroform	5.080	83	69412	21.719	ug/l	100
31) Cyclohexane	5.458	56	48476	18.204	ug/l	91
32) 1,1,1-Trichloroethane	5.367	97	58953	20.587	ug/l	96
36) 1,1-Dichloropropene	5.678	75	42199	18.056	ug/l	100
37) Ethyl Acetate	4.702	43	36231	12.974	ug/l	99
38) Carbon Tetrachloride	5.666	117	51562	19.478	ug/l	91
39) Methylcyclohexane	7.367	83	47252	17.098	ug/l	97
40) Benzene	6.025	78	144242	20.820	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.910	41	20900	16.449	ug/l	91
42) 1,2-Dichloroethane	6.068	62	51924	21.175	ug/l	96
43) Isopropyl Acetate	6.324	43	61866	14.630	ug/l	96
44) Trichloroethene	7.111	130	35903	19.861	ug/l	96
45) 1,2-Dichloropropane	7.409	63	37235	21.503	ug/l	98
46) Dibromomethane	7.568	93	25187	19.180	ug/l	97
47) Bromodichloromethane	7.806	83	56150	20.509	ug/l	99
48) Methyl methacrylate	7.677	41	31313	14.721	ug/l	96
49) 1,4-Dioxane	7.641	88	5851	200.001	ug/l #	90
51) 4-Methyl-2-Pentanone	8.555	43	174833	66.611	ug/l	96
52) Toluene	8.702	92	86760	20.767	ug/l	95
53) t-1,3-Dichloropropene	8.964	75	53062	20.372	ug/l	100
54) cis-1,3-Dichloropropene	8.348	75	60405	21.579	ug/l	99
55) 1,1,2-Trichloroethane	9.135	97	33086	19.683	ug/l	99
56) Ethyl methacrylate	9.098	69	45468	17.281	ug/l	97
57) 1,3-Dichloropropane	9.293	76	56755	20.305	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.226	63	111133	78.148	ug/l	98
59) 2-Hexanone	9.415	43	113766	61.746	ug/l	97
60) Dibromochloromethane	9.506	129	42164	20.285	ug/l	98
61) 1,2-Dibromoethane	9.592	107	34249	18.825	ug/l	99
64) Tetrachloroethene	9.256	164	29079	17.163	ug/l	98
65) Chlorobenzene	10.061	112	99056	19.469	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.147	131	36195	19.889	ug/l	98
67) Ethyl Benzene	10.177	91	163947	19.747	ug/l	98
68) m/p-Xylenes	10.287	106	125639	38.849	ug/l	100
69) o-Xylene	10.622	106	60618	20.003	ug/l	99
70) Styrene	10.634	104	105964	20.368	ug/l	100
71) Bromoform	10.781	173	26201	16.127	ug/l #	99
73) Isopropylbenzene	10.945	105	153085	18.643	ug/l	99
74) N-amyl acetate	10.823	43	54816	15.364	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.195	83	42203	15.232	ug/l	99
76) 1,2,3-Trichloropropane	11.220	75	35964m	15.847	ug/l	
77) Bromobenzene	11.177	156	40775	18.605	ug/l	99
78) n-propylbenzene	11.287	91	180085	18.936	ug/l	100
79) 2-Chlorotoluene	11.348	91	112806	19.452	ug/l	100
80) 1,3,5-Trimethylbenzene	11.433	105	127537	18.896	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.000	75	12034	12.595	ug/l	97
82) 4-Chlorotoluene	11.433	91	132535	19.584	ug/l	99
83) tert-Butylbenzene	11.695	119	126525	18.041	ug/l	100
84) 1,2,4-Trimethylbenzene	11.732	105	128461	18.868	ug/l	99
85) sec-Butylbenzene	11.872	105	155059	18.243	ug/l	99
86) p-Isopropyltoluene	11.988	119	133578	18.386	ug/l	99
87) 1,3-Dichlorobenzene	11.951	146	75606	18.713	ug/l	99
88) 1,4-Dichlorobenzene	12.024	146	77514	18.566	ug/l	99
89) n-Butylbenzene	12.311	91	120689	17.742	ug/l	99
90) Hexachloroethane	12.518	117	26148	17.634	ug/l	100
91) 1,2-Dichlorobenzene	12.317	146	73224	18.694	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.920	75	7324	10.862	ug/l	98
93) 1,2,4-Trichlorobenzene	13.567	180	45113	17.438	ug/l	97
94) Hexachlorobutadiene	13.707	225	17666	16.509	ug/l	99
95) Naphthalene	13.756	128	112946	16.599	ug/l	100
96) 1,2,3-Trichlorobenzene	13.939	180	41792	17.517	ug/l	99

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

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