

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100825\
 Data File : VX048064.D
 Acq On : 08 Oct 2025 10:59
 Operator : JC/MD
 Sample : VX1008WBSD01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1008WBSD01

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 10/10/2025
 Supervised By : Mahesh Dadoda 10/10/2025

Quant Time: Oct 09 04:51:38 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

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

Internal Standards						
1) Pentafluorobenzene	5.532	168	139889	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	6.745	114	245086	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	222709	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	115509	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	113291	50.879	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 101.760%			
35) Dibromofluoromethane	5.367	113	86444	52.592	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 105.180%			
50) Toluene-d8	8.635	98	291747	51.297	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 102.600%			
62) 4-Bromofluorobenzene	11.061	95	112831	52.273	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 104.540%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.179	85	22687	15.662	ug/l	98
3) Chloromethane	1.301	50	26933	14.147	ug/l	98
4) Vinyl Chloride	1.380	62	29516	15.838	ug/l	99
5) Bromomethane	1.618	94	19545	16.539	ug/l	96
6) Chloroethane	1.697	64	20170	16.193	ug/l	96
7) Trichlorofluoromethane	1.892	101	49013	17.713	ug/l	96
8) Diethyl Ether	2.136	74	20830	18.402	ug/l	96
9) 1,1,2-Trichlorotrifluo...	2.331	101	29150	18.016	ug/l	99
10) Methyl Iodide	2.453	142	31692	12.559	ug/l	100
11) Tert butyl alcohol	2.941	59	23063	92.999	ug/l	100
12) 1,1-Dichloroethene	2.325	96	27580	16.594	ug/l	98
13) Acrolein	2.233	56	13487	59.016	ug/l	95
14) Allyl chloride	2.666	41	56608	16.506	ug/l	98
15) Acrylonitrile	3.056	53	93198	101.459	ug/l	99
16) Acetone	2.374	43	78847	81.439	ug/l	99
17) Carbon Disulfide	2.514	76	64024	14.071	ug/l	100
18) Methyl Acetate	2.697	43	47114	21.866	ug/l	99
19) Methyl tert-butyl Ether	3.105	73	114161	18.816	ug/l	100
20) Methylene Chloride	2.788	84	36666	17.892	ug/l	91
21) trans-1,2-Dichloroethene	3.093	96	30571	17.085	ug/l	91
22) Diisopropyl ether	3.751	45	124201	18.686	ug/l	93
23) Vinyl Acetate	3.715	43	489017	91.926	ug/l	100
24) 1,1-Dichloroethane	3.605	63	63973	18.108	ug/l	98
25) 2-Butanone	4.538	43	117928	97.649	ug/l	99
26) 2,2-Dichloropropane	4.465	77	48865	16.640	ug/l	99
27) cis-1,2-Dichloroethene	4.477	96	39388	17.974	ug/l	99
28) Bromochloromethane	4.885	49	29998	19.450	ug/l	98
29) Tetrahydrofuran	4.989	42	68446	94.213	ug/l	96
30) Chloroform	5.074	83	69656	19.512	ug/l	97
31) Cyclohexane	5.452	56	46971	15.964	ug/l	98
32) 1,1,1-Trichloroethane	5.367	97	55805	18.429	ug/l	97
36) 1,1-Dichloropropene	5.678	75	39752	16.551	ug/l	98
37) Ethyl Acetate	4.696	43	49469	19.236	ug/l	100
38) Carbon Tetrachloride	5.660	117	47851	18.337	ug/l	98
39) Methylcyclohexane	7.367	83	43961	16.124	ug/l	96
40) Benzene	6.019	78	132796	18.204	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.898	41	26167	19.710	ug/l	97
42) 1,2-Dichloroethane	6.068	62	52859	19.044	ug/l	99
43) Isopropyl Acetate	6.324	43	83261	19.741	ug/l	99
44) Trichloroethene	7.111	130	32361	18.349	ug/l	99
45) 1,2-Dichloropropane	7.415	63	35861	19.198	ug/l	100
46) Dibromomethane	7.562	93	26380	19.407	ug/l	99
47) Bromodichloromethane	7.806	83	55612	19.826	ug/l	97
48) Methyl methacrylate	7.678	41	39203	18.660	ug/l	97
49) 1,4-Dioxane	7.641	88	10198	480.324	ug/l	98
51) 4-Methyl-2-Pentanone	8.555	43	251415	107.513	ug/l	98
52) Toluene	8.702	92	81846	18.211	ug/l	99
53) t-1,3-Dichloropropene	8.964	75	53345	18.645	ug/l	99
54) cis-1,3-Dichloropropene	8.354	75	57968	18.955	ug/l	96
55) 1,1,2-Trichloroethane	9.135	97	35522	20.497	ug/l	99
56) Ethyl methacrylate	9.098	69	52292	19.213	ug/l	98
57) 1,3-Dichloropropane	9.293	76	60230	20.232	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.226	63	123823	102.256	ug/l	100
59) 2-Hexanone	9.415	43	172649	102.799	ug/l	100
60) Dibromochloromethane	9.506	129	41995	21.031	ug/l	99
61) 1,2-Dibromoethane	9.592	107	35707	20.229	ug/l	99
64) Tetrachloroethene	9.257	164	26317	18.127	ug/l	96
65) Chlorobenzene	10.061	112	95289	18.834	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.147	131	33767	19.341	ug/l	98
67) Ethyl Benzene	10.177	91	156033	17.874	ug/l	99
68) m/p-Xylenes	10.287	106	118093	36.344	ug/l	99
69) o-Xylene	10.622	106	56777	18.065	ug/l	99
70) Styrene	10.640	104	101569	18.444	ug/l	99
71) Bromoform	10.781	173	26709	20.488	ug/l #	97
73) Isopropylbenzene	10.945	105	150661	17.156	ug/l	100
74) N-amyl acetate	10.823	43	70148	17.517	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.195	83	52704	19.837	ug/l	97
76) 1,2,3-Trichloropropane	11.220	75	40667m	17.389	ug/l	
77) Bromobenzene	11.183	156	37628	17.397	ug/l	97
78) n-propylbenzene	11.287	91	178604	17.205	ug/l	99
79) 2-Chlorotoluene	11.348	91	110516	17.382	ug/l	98
80) 1,3,5-Trimethylbenzene	11.433	105	123356	17.097	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.000	75	15118	16.485	ug/l	97
82) 4-Chlorotoluene	11.439	91	128946	17.171	ug/l	100
83) tert-Butylbenzene	11.695	119	127429	17.253	ug/l	99
84) 1,2,4-Trimethylbenzene	11.732	105	125442	17.149	ug/l	98
85) sec-Butylbenzene	11.872	105	156520	17.841	ug/l	99
86) p-Isopropyltoluene	11.988	119	129076	17.379	ug/l	99
87) 1,3-Dichlorobenzene	11.951	146	71186	17.720	ug/l	99
88) 1,4-Dichlorobenzene	12.024	146	72087	17.483	ug/l	97
89) n-Butylbenzene	12.311	91	118647	17.264	ug/l	98
90) Hexachloroethane	12.518	117	24090	18.474	ug/l	99
91) 1,2-Dichlorobenzene	12.317	146	69884	18.259	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.927	75	9742	18.110	ug/l	97
93) 1,2,4-Trichlorobenzene	13.567	180	41335	16.617	ug/l	97
94) Hexachlorobutadiene	13.707	225	15374	18.196	ug/l	98
95) Naphthalene	13.756	128	127455	16.827	ug/l	100
96) 1,2,3-Trichlorobenzene	13.939	180	40969	17.706	ug/l	99

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

