

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102725\
 Data File : VX048357.D
 Acq On : 27 Oct 2025 10:04
 Operator : JC/MD
 Sample : VX1027WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1027WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 10/28/2025
 Supervised By : Mahesh Dadoda 10/28/2025

Quant Time: Oct 28 01:47:45 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102025W.M
 Quant Title : SW846 8260
 QLast Update : Mon Oct 20 14:13:59 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.531	168	142483	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	6.738	114	244417	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	221107	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	110523	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.934	65	118480	59.308	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 118.620%#			
35) Dibromofluoromethane	5.367	113	72735	43.590	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 87.180%			
50) Toluene-d8	8.628	98	300486	51.377	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 102.760%			
62) 4-Bromofluorobenzene	11.061	95	115332	51.834	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 103.660%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.172	85	25690	17.539	ug/l	97
3) Chloromethane	1.300	50	14387	10.523	ug/l	100
4) Vinyl Chloride	1.380	62	35123	27.742	ug/l	100
5) Bromomethane	1.617	94	12921	15.038	ug/l	97
6) Chloroethane	1.697	64	21643	29.092	ug/l	93
7) Trichlorofluoromethane	1.898	101	58408	24.055	ug/l	99
8) Diethyl Ether	2.136	74	21357	31.260	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.337	101	31235	20.315	ug/l	97
10) Methyl Iodide	2.459	142	124122	64.214	ug/l	99
11) Tert butyl alcohol	2.928	59	16702	84.206	ug/l	98
12) 1,1-Dichloroethene	2.325	96	30786	20.581	ug/l	99
13) Acrolein	2.233	56	27333	135.116	ug/l	99
14) Allyl chloride	2.666	41	56039	22.564	ug/l	97
15) Acrylonitrile	3.050	53	72393	101.218	ug/l	98
16) Acetone	2.373	43	47269	68.973	ug/l	98
17) Carbon Disulfide	2.514	76	84163	17.852	ug/l	97
18) Methyl Acetate	2.697	43	32343	22.598	ug/l	98
19) Methyl tert-butyl Ether	3.105	73	112289	22.004	ug/l	99
20) Methylene Chloride	2.788	84	35958	21.533	ug/l	96
21) trans-1,2-Dichloroethene	3.087	96	33393	20.323	ug/l	99
22) Diisopropyl ether	3.745	45	122466	24.723	ug/l	98
23) Vinyl Acetate	3.709	43	444900	112.437	ug/l	98
24) 1,1-Dichloroethane	3.599	63	66140	22.082	ug/l	99
25) 2-Butanone	4.532	43	76270	87.924	ug/l	95
26) 2,2-Dichloropropane	4.458	77	58835	21.762	ug/l	97
27) cis-1,2-Dichloroethene	4.477	96	40948	21.353	ug/l	98
28) Bromochloromethane	4.879	49	26988	21.731	ug/l	98
29) Tetrahydrofuran	4.977	42	51000	98.168	ug/l	96
30) Chloroform	5.074	83	70158	21.924	ug/l	95
31) Cyclohexane	5.452	56	53521	21.583	ug/l	93
32) 1,1,1-Trichloroethane	5.367	97	61535	20.865	ug/l	98
36) 1,1-Dichloropropene	5.672	75	45441	19.160	ug/l	98
37) Ethyl Acetate	4.690	43	41160	20.938	ug/l	97
38) Carbon Tetrachloride	5.659	117	53157	18.167	ug/l	94
39) Methylcyclohexane	7.360	83	53168	18.982	ug/l	99
40) Benzene	6.019	78	139040	20.193	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.903	41	21821	21.137	ug/l	97
42) 1,2-Dichloroethane	6.068	62	55222	21.734	ug/l	99
43) Isopropyl Acetate	6.318	43	69681	21.579	ug/l	99
44) Trichloroethene	7.104	130	36190	19.905	ug/l	97
45) 1,2-Dichloropropane	7.415	63	35120	21.452	ug/l	98
46) Dibromomethane	7.561	93	25923	20.325	ug/l	99
47) Bromodichloromethane	7.799	83	55644	20.206	ug/l	95
48) Methyl methacrylate	7.677	41	34813	21.366	ug/l	97
49) 1,4-Dioxane	7.641	88	7544	350.450	ug/l	98
51) 4-Methyl-2-Pentanone	8.555	43	197835	106.262	ug/l	98
52) Toluene	8.702	92	86611	19.800	ug/l	98
53) t-1,3-Dichloropropene	8.958	75	52271	19.697	ug/l	96
54) cis-1,3-Dichloropropene	8.348	75	55170	19.269	ug/l	95
55) 1,1,2-Trichloroethane	9.134	97	32804	20.165	ug/l	98
56) Ethyl methacrylate	9.098	69	46549	19.563	ug/l	95
57) 1,3-Dichloropropane	9.293	76	57867	20.825	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.226	63	120150	94.971	ug/l	100
59) 2-Hexanone	9.409	43	124813	96.144	ug/l	99
60) Dibromochloromethane	9.500	129	40873	18.694	ug/l	98
61) 1,2-Dibromoethane	9.592	107	33715	19.441	ug/l	100
64) Tetrachloroethene	9.256	164	32232	19.527	ug/l	96
65) Chlorobenzene	10.061	112	97688	19.640	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.146	131	35473	19.417	ug/l	97
67) Ethyl Benzene	10.177	91	164016	19.368	ug/l	99
68) m/p-Xylenes	10.281	106	124400	39.537	ug/l	100
69) o-Xylene	10.622	106	59735	19.665	ug/l	99
70) Styrene	10.634	104	102542	19.825	ug/l	99
71) Bromoform	10.780	173	24833	17.008	ug/l #	100
73) Isopropylbenzene	10.945	105	155818	19.302	ug/l	99
74) N-amyl acetate	10.823	43	60091	20.985	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.195	83	41111	18.649	ug/l	99
76) 1,2,3-Trichloropropane	11.219	75	33085m	18.459	ug/l	
77) Bromobenzene	11.177	156	37603	18.577	ug/l	98
78) n-propylbenzene	11.286	91	182569	19.533	ug/l	100
79) 2-Chlorotoluene	11.347	91	111945	19.755	ug/l	99
80) 1,3,5-Trimethylbenzene	11.433	105	130099	19.474	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.000	75	9597	13.027	ug/l #	67
82) 4-Chlorotoluene	11.433	91	132574	19.708	ug/l	99
83) tert-Butylbenzene	11.695	119	129729	18.900	ug/l	99
84) 1,2,4-Trimethylbenzene	11.731	105	129721	19.457	ug/l	99
85) sec-Butylbenzene	11.872	105	161128	19.512	ug/l	100
86) p-Isopropyltoluene	11.988	119	136294	19.094	ug/l	98
87) 1,3-Dichlorobenzene	11.951	146	71158	18.648	ug/l	100
88) 1,4-Dichlorobenzene	12.024	146	72075	18.233	ug/l	98
89) n-Butylbenzene	12.317	91	124628	19.183	ug/l	99
90) Hexachloroethane	12.518	117	23513	16.681	ug/l	100
91) 1,2-Dichlorobenzene	12.317	146	67180	18.752	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.920	75	8405	18.783	ug/l	88
93) 1,2,4-Trichlorobenzene	13.567	180	42780	17.657	ug/l	98
94) Hexachlorobutadiene	13.707	225	18210	20.098	ug/l	98
95) Naphthalene	13.756	128	116331	18.123	ug/l	100
96) 1,2,3-Trichlorobenzene	13.945	180	40946	18.417	ug/l	98

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

