

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102825\
 Data File : VX048385.D
 Acq On : 28 Oct 2025 09:53
 Operator : JC/MD
 Sample : VX1028WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1028WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 10/29/2025
 Supervised By : Mahesh Dadoda 10/29/2025

Quant Time: Oct 29 01:14:01 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	159718	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	6.745	114	264519	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	232004	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	113255	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.934	65	119264	53.258	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 106.520%			
35) Dibromofluoromethane	5.367	113	76624	42.431	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 84.860%			
50) Toluene-d8	8.628	98	327676	51.768	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 103.540%			
62) 4-Bromofluorobenzene	11.061	95	120313	49.964	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 99.920%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.172	85	26824	16.337	ug/l	97
3) Chloromethane	1.301	50	14532	9.482	ug/l	99
4) Vinyl Chloride	1.380	62	36246	25.540	ug/l	99
5) Bromomethane	1.618	94	13756	14.283	ug/l	98
6) Chloroethane	1.697	64	22909	27.471	ug/l	99
7) Trichlorofluoromethane	1.898	101	61244	22.501	ug/l	98
8) Diethyl Ether	2.130	74	20638	26.948	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.331	101	34782	20.180	ug/l	100
10) Methyl Iodide	2.459	142	118883	54.867	ug/l	99
11) Tert butyl alcohol	2.928	59	15348	69.029	ug/l	99
12) 1,1-Dichloroethene	2.325	96	31982	19.073	ug/l	98
13) Acrolein	2.233	56	22946	101.190	ug/l	97
14) Allyl chloride	2.666	41	54333	19.516	ug/l	96
15) Acrylonitrile	3.050	53	71981	89.781	ug/l	99
16) Acetone	2.367	43	48407	63.011	ug/l	99
17) Carbon Disulfide	2.514	76	87466	16.551	ug/l	99
18) Methyl Acetate	2.697	43	30503	19.012	ug/l	97
19) Methyl tert-butyl Ether	3.105	73	106817	18.673	ug/l	100
20) Methylene Chloride	2.788	84	36103	19.287	ug/l	95
21) trans-1,2-Dichloroethene	3.093	96	34811	18.899	ug/l	96
22) Diisopropyl ether	3.745	45	119633	21.545	ug/l	99
23) Vinyl Acetate	3.709	43	424721	95.754	ug/l	99
24) 1,1-Dichloroethane	3.599	63	66734	19.876	ug/l	99
25) 2-Butanone	4.532	43	75323	77.463	ug/l	97
26) 2,2-Dichloropropane	4.465	77	57643	19.021	ug/l	99
27) cis-1,2-Dichloroethene	4.477	96	41626	19.364	ug/l	99
28) Bromochloromethane	4.879	49	26889	19.315	ug/l	95
29) Tetrahydrofuran	4.977	42	52330	89.858	ug/l	98
30) Chloroform	5.074	83	68587	19.120	ug/l	96
31) Cyclohexane	5.452	56	56967	20.494	ug/l	93
32) 1,1,1-Trichloroethane	5.367	97	62358	18.862	ug/l	98
36) 1,1-Dichloropropene	5.672	75	44732	17.428	ug/l	99
37) Ethyl Acetate	4.690	43	35283	16.584	ug/l	99
38) Carbon Tetrachloride	5.659	117	54613	17.246	ug/l	99
39) Methylcyclohexane	7.360	83	57286	18.898	ug/l	97
40) Benzene	6.019	78	141064	18.930	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.904	41	21494	19.238	ug/l	98
42) 1,2-Dichloroethane	6.068	62	53130	19.321	ug/l	100
43) Isopropyl Acetate	6.318	43	66953	19.159	ug/l	99
44) Trichloroethene	7.110	130	35849	18.219	ug/l	98
45) 1,2-Dichloropropane	7.415	63	34705	19.588	ug/l	99
46) Dibromomethane	7.568	93	24612	17.830	ug/l	99
47) Bromodichloromethane	7.805	83	53221	17.857	ug/l	99
48) Methyl methacrylate	7.677	41	32746	18.570	ug/l	98
49) 1,4-Dioxane	7.647	88	7187	308.494	ug/l #	88
51) 4-Methyl-2-Pentanone	8.555	43	187053	92.836	ug/l	100
52) Toluene	8.702	92	87531	18.489	ug/l	100
53) t-1,3-Dichloropropene	8.964	75	49336	17.178	ug/l	98
54) cis-1,3-Dichloropropene	8.348	75	53607	17.300	ug/l	99
55) 1,1,2-Trichloroethane	9.134	97	32273	18.331	ug/l	99
56) Ethyl methacrylate	9.098	69	45772	17.775	ug/l	99
57) 1,3-Dichloropropane	9.293	76	55966	18.611	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.226	63	104212	76.450	ug/l	98
59) 2-Hexanone	9.415	43	121391	86.402	ug/l	99
60) Dibromochloromethane	9.506	129	39589	16.730	ug/l	100
61) 1,2-Dibromoethane	9.592	107	32577	17.357	ug/l	97
64) Tetrachloroethene	9.256	164	33779	19.503	ug/l	97
65) Chlorobenzene	10.061	112	95841	18.364	ug/l	95
66) 1,1,1,2-Tetrachloroethane	10.146	131	34309	17.898	ug/l	99
67) Ethyl Benzene	10.177	91	166397	18.726	ug/l	98
68) m/p-Xylenes	10.281	106	125110	37.895	ug/l	99
69) o-Xylene	10.622	106	60033	18.835	ug/l	99
70) Styrene	10.640	104	102246	18.839	ug/l	100
71) Bromoform	10.781	173	23900	15.600	ug/l #	99
73) Isopropylbenzene	10.945	105	159124	19.236	ug/l	100
74) N-amyl acetate	10.823	43	57217	19.500	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.195	83	40484	17.921	ug/l	99
76) 1,2,3-Trichloropropane	11.219	75	36106m	19.659	ug/l	
77) Bromobenzene	11.177	156	37525	18.092	ug/l	99
78) n-propylbenzene	11.287	91	187047	19.529	ug/l	99
79) 2-Chlorotoluene	11.347	91	112786	19.423	ug/l	99
80) 1,3,5-Trimethylbenzene	11.433	105	131506	19.210	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.000	75	9130	12.094	ug/l #	70
82) 4-Chlorotoluene	11.433	91	131861	19.129	ug/l	100
83) tert-Butylbenzene	11.695	119	132000	18.767	ug/l	99
84) 1,2,4-Trimethylbenzene	11.732	105	131734	19.282	ug/l	99
85) sec-Butylbenzene	11.872	105	167485	19.792	ug/l	99
86) p-Isopropyltoluene	11.988	119	140805	19.251	ug/l	99
87) 1,3-Dichlorobenzene	11.951	146	70068	17.919	ug/l	99
88) 1,4-Dichlorobenzene	12.024	146	70652	17.442	ug/l	98
89) n-Butylbenzene	12.311	91	128217	19.259	ug/l	99
90) Hexachloroethane	12.518	117	23980	16.602	ug/l	100
91) 1,2-Dichlorobenzene	12.317	146	66129	18.013	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	12.920	75	7333	15.992	ug/l	98
93) 1,2,4-Trichlorobenzene	13.567	180	41783	16.830	ug/l	98
94) Hexachlorobutadiene	13.707	225	19488	20.986	ug/l	95
95) Naphthalene	13.756	128	111230	16.910	ug/l	99
96) 1,2,3-Trichlorobenzene	13.938	180	40628	17.833	ug/l	99

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

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