

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102225\
 Data File : VX048283.D
 Acq On : 22 Oct 2025 09:53
 Operator : JC/MD
 Sample : VX1022WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1022WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 10/24/2025
 Supervised By : Mahesh Dadoda 10/24/2025

Quant Time: Oct 24 05:51:17 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	5.538	168	115938	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.745	114	185153	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	172449	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	91086	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.934	65	81572	50.182	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 100.360%			
35) Dibromofluoromethane	5.373	113	64382	50.934	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.860%			
50) Toluene-d8	8.629	98	224820	50.743	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 101.480%			
62) 4-Bromofluorobenzene	11.061	95	88327	52.404	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 104.800%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.173	85	22868	19.187	ug/l	95
3) Chloromethane	1.301	50	18787	16.887	ug/l	97
4) Vinyl Chloride	1.380	62	16907	16.412	ug/l	100
5) Bromomethane	1.618	94	12759	18.250	ug/l	92
6) Chloroethane	1.697	64	10602	17.514	ug/l	94
7) Trichlorofluoromethane	1.892	101	36946	18.700	ug/l	98
8) Diethyl Ether	2.130	74	9583	17.238	ug/l	81
9) 1,1,2-Trichlorotrifluo...	2.337	101	22281	17.809	ug/l	93
10) Methyl Iodide	2.453	142	29719	18.895	ug/l	98
11) Tert butyl alcohol	2.934	59	13125	81.322	ug/l	98
12) 1,1-Dichloroethene	2.325	96	22236	18.268	ug/l	89
13) Acrolein	2.233	56	18404	111.807	ug/l	100
14) Allyl chloride	2.666	41	34300	16.973	ug/l	94
15) Acrylonitrile	3.056	53	51470	88.440	ug/l	98
16) Acetone	2.374	43	49714	89.149	ug/l	94
17) Carbon Disulfide	2.514	76	61537	16.041	ug/l	98
18) Methyl Acetate	2.697	43	19682	16.900	ug/l #	90
19) Methyl tert-butyl Ether	3.105	73	76499	18.423	ug/l	98
20) Methylene Chloride	2.788	84	25627	18.860	ug/l	90
21) trans-1,2-Dichloroethene	3.087	96	24665	18.448	ug/l	97
22) Diisopropyl ether	3.745	45	74217	18.413	ug/l #	82
23) Vinyl Acetate	3.709	43	293391	91.123	ug/l	95
24) 1,1-Dichloroethane	3.605	63	44644	18.318	ug/l	98
25) 2-Butanone	4.538	43	62637	88.741	ug/l	94
26) 2,2-Dichloropropane	4.459	77	42168	19.169	ug/l	99
27) cis-1,2-Dichloroethene	4.477	96	29422	18.855	ug/l	97
28) Bromochloromethane	4.885	49	18103	17.914	ug/l #	80
29) Tetrahydrofuran	4.983	42	35783	84.647	ug/l	90
30) Chloroform	5.074	83	50484	19.388	ug/l	96
31) Cyclohexane	5.452	56	36067	17.875	ug/l	89
32) 1,1,1-Trichloroethane	5.367	97	45607	19.005	ug/l	98
36) 1,1-Dichloropropene	5.678	75	32884	18.304	ug/l	99
37) Ethyl Acetate	4.702	43	25793	17.321	ug/l	96
38) Carbon Tetrachloride	5.660	117	41818	18.866	ug/l	97
39) Methylcyclohexane	7.367	83	37971	17.896	ug/l	93
40) Benzene	6.019	78	98700	18.922	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.904	41	13641	17.443	ug/l	95
42) 1,2-Dichloroethane	6.068	62	39202	20.367	ug/l	99
43) Isopropyl Acetate	6.318	43	43873	17.936	ug/l	97
44) Trichloroethene	7.111	130	26617	19.325	ug/l	99
45) 1,2-Dichloropropane	7.415	63	23590	19.022	ug/l	93
46) Dibromomethane	7.568	93	18429	19.074	ug/l	92
47) Bromodichloromethane	7.799	83	40507	19.417	ug/l	96
48) Methyl methacrylate	7.677	41	21757	17.627	ug/l	93
49) 1,4-Dioxane	7.641	88	5789	355.001	ug/l	91
51) 4-Methyl-2-Pentanone	8.555	43	128509	91.119	ug/l	96
52) Toluene	8.702	92	64846	19.569	ug/l	98
53) t-1,3-Dichloropropene	8.964	75	39352	19.575	ug/l	97
54) cis-1,3-Dichloropropene	8.348	75	41608	19.183	ug/l	95
55) 1,1,2-Trichloroethane	9.135	97	24236	19.667	ug/l	96
56) Ethyl methacrylate	9.098	69	32337	17.941	ug/l	98
57) 1,3-Dichloropropane	9.293	76	40790	19.378	ug/l	97
58) 2-Chloroethyl Vinyl ether	8.226	63	82301	86.039	ug/l	96
59) 2-Hexanone	9.415	43	91212	92.750	ug/l	95
60) Dibromochloromethane	9.500	129	32118	19.391	ug/l	98
61) 1,2-Dibromoethane	9.592	107	25567	19.461	ug/l	100
64) Tetrachloroethene	9.256	164	23106	17.948	ug/l	96
65) Chlorobenzene	10.061	112	74866	19.299	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.147	131	27221	19.105	ug/l	99
67) Ethyl Benzene	10.177	91	123704	18.730	ug/l	95
68) m/p-Xylenes	10.287	106	96187	39.196	ug/l	99
69) o-Xylene	10.622	106	45915	19.380	ug/l	100
70) Styrene	10.640	104	81400	20.178	ug/l	99
71) Bromoform	10.781	173	21486	18.867	ug/l #	97
73) Isopropylbenzene	10.945	105	121492	18.261	ug/l	98
74) N-amyl acetate	10.823	43	39294	16.651	ug/l	94
75) 1,1,2,2-Tetrachloroethane	11.195	83	32943	18.132	ug/l	97
76) 1,2,3-Trichloropropane	11.220	75	30421m	20.595	ug/l	
77) Bromobenzene	11.183	156	30904	18.526	ug/l	91
78) n-propylbenzene	11.287	91	142548	18.506	ug/l	98
79) 2-Chlorotoluene	11.348	91	87720	18.783	ug/l	99
80) 1,3,5-Trimethylbenzene	11.433	105	102516	18.620	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.000	75	10045	16.545	ug/l	92
82) 4-Chlorotoluene	11.439	91	104284	18.810	ug/l	97
83) tert-Butylbenzene	11.695	119	105858	18.713	ug/l	98
84) 1,2,4-Trimethylbenzene	11.732	105	105149	19.137	ug/l	99
85) sec-Butylbenzene	11.872	105	122676	18.025	ug/l	100
86) p-Isopropyltoluene	11.988	119	107570	18.286	ug/l	98
87) 1,3-Dichlorobenzene	11.951	146	58833	18.708	ug/l	99
88) 1,4-Dichlorobenzene	12.024	146	60010	18.420	ug/l	98
89) n-Butylbenzene	12.317	91	93913	17.540	ug/l	99
90) Hexachloroethane	12.518	117	20129	17.328	ug/l	91
91) 1,2-Dichlorobenzene	12.317	146	55576	18.823	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	12.920	75	6490	17.598	ug/l	95
93) 1,2,4-Trichlorobenzene	13.567	180	35339	17.699	ug/l	99
94) Hexachlorobutadiene	13.707	225	13881	18.594	ug/l	97
95) Naphthalene	13.756	128	96835	18.305	ug/l	100
96) 1,2,3-Trichlorobenzene	13.939	180	33930	18.518	ug/l	97

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

