

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX103125\
 Data File : VX048419.D
 Acq On : 31 Oct 2025 10:34
 Operator : JC/MD
 Sample : VX1031WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1031WBS01

Manual Integrations
 APPROVED

Reviewed By :Amit Patel 11/03/2025
 Supervised By :Mahesh Dadoda 11/03/2025

Quant Time: Oct 31 23:00:16 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102925W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 30 02:37:17 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.532	168	179964	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.739	114	315014	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	292819	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	146834	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.934	65	149233	57.660	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 115.320%			
35) Dibromofluoromethane	5.367	113	96465	53.711	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 107.420%			
50) Toluene-d8	8.629	98	419599	52.926	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 105.860%			
62) 4-Bromofluorobenzene	11.061	95	162520	54.799	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 109.600%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.173	85	31221	17.007	ug/l	96
3) Chloromethane	1.301	50	18751	18.104	ug/l	95
4) Vinyl Chloride	1.380	62	41628	17.400	ug/l	96
5) Bromomethane	1.618	94	17650	20.422	ug/l	96
6) Chloroethane	1.697	64	25235	17.736	ug/l	98
7) Trichlorofluoromethane	1.898	101	64043	17.468	ug/l	100
8) Diethyl Ether	2.130	74	23913	18.047	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.337	101	36530	17.714	ug/l	98
10) Methyl Iodide	2.459	142	137090	16.532	ug/l	99
11) Tert butyl alcohol	2.934	59	18684	94.226	ug/l	97
12) 1,1-Dichloroethene	2.325	96	37098	17.710	ug/l	97
13) Acrolein	2.233	56	40806	98.591	ug/l	97
14) Allyl chloride	2.666	41	64102	18.071	ug/l	97
15) Acrylonitrile	3.050	53	83276	92.317	ug/l	99
16) Acetone	2.367	43	53157	90.620	ug/l	99
17) Carbon Disulfide	2.514	76	107086	17.830	ug/l	99
18) Methyl Acetate	2.697	43	32640	16.637	ug/l	95
19) Methyl tert-butyl Ether	3.105	73	123399	18.396	ug/l	98
20) Methylene Chloride	2.788	84	41770	18.473	ug/l	96
21) trans-1,2-Dichloroethene	3.093	96	39756	17.868	ug/l	95
22) Diisopropyl ether	3.745	45	136738	18.832	ug/l	99
23) Vinyl Acetate	3.709	43	486116	98.352	ug/l	98
24) 1,1-Dichloroethane	3.605	63	74934	18.185	ug/l	96
25) 2-Butanone	4.532	43	86529	92.338	ug/l	98
26) 2,2-Dichloropropane	4.459	77	63639	17.937	ug/l	100
27) cis-1,2-Dichloroethene	4.477	96	47389	17.846	ug/l	98
28) Bromochloromethane	4.885	49	28642	15.337	ug/l	95
29) Tetrahydrofuran	4.983	42	60305	90.365	ug/l	95
30) Chloroform	5.074	83	77141	18.199	ug/l	99
31) Cyclohexane	5.452	56	63180	17.664	ug/l	97
32) 1,1,1-Trichloroethane	5.367	97	67520	18.043	ug/l	100
36) 1,1-Dichloropropene	5.678	75	51289	17.005	ug/l	99
37) Ethyl Acetate	4.690	43	41787	16.262	ug/l	99
38) Carbon Tetrachloride	5.660	117	59006	16.944	ug/l	97
39) Methylcyclohexane	7.360	83	62937	16.227	ug/l	93
40) Benzene	6.019	78	162671	17.655	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.898	41	24138	18.649	ug/l	98
42) 1,2-Dichloroethane	6.068	62	59086	18.206	ug/l	100
43) Isopropyl Acetate	6.318	43	76063	17.929	ug/l	98
44) Trichloroethene	7.111	130	42009	17.402	ug/l	91
45) 1,2-Dichloropropane	7.409	63	40933	17.788	ug/l	97
46) Dibromomethane	7.562	93	28574	17.738	ug/l	96
47) Bromodichloromethane	7.806	83	62667	18.309	ug/l	95
48) Methyl methacrylate	7.671	41	37681	18.213	ug/l	96
49) 1,4-Dioxane	7.635	88	8902	378.563	ug/l	95
51) 4-Methyl-2-Pentanone	8.555	43	213519	90.434	ug/l	98
52) Toluene	8.702	92	102282	17.765	ug/l	100
53) t-1,3-Dichloropropene	8.958	75	58232	18.770	ug/l	99
54) cis-1,3-Dichloropropene	8.348	75	62358	18.656	ug/l	95
55) 1,1,2-Trichloroethane	9.135	97	37254	17.880	ug/l	99
56) Ethyl methacrylate	9.098	69	53811	17.638	ug/l	99
57) 1,3-Dichloropropane	9.293	76	64586	17.878	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.220	63	135337	81.005	ug/l	96
59) 2-Hexanone	9.409	43	136354	88.756	ug/l	97
60) Dibromochloromethane	9.500	129	46040	17.867	ug/l	96
61) 1,2-Dibromoethane	9.592	107	38672	17.941	ug/l	97
64) Tetrachloroethene	9.256	164	37940	16.089	ug/l	98
65) Chlorobenzene	10.061	112	113508	16.826	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.147	131	39696	17.299	ug/l	98
67) Ethyl Benzene	10.177	91	190943	16.811	ug/l	99
68) m/p-Xylenes	10.281	106	146981	34.176	ug/l	97
69) o-Xylene	10.622	106	69700	16.960	ug/l	97
70) Styrene	10.634	104	119294	17.135	ug/l	99
71) Bromoform	10.781	173	28404	17.111	ug/l #	99
73) Isopropylbenzene	10.945	105	178940	16.476	ug/l	99
74) N-amyl acetate	10.823	43	65397	16.879	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.195	83	46219	16.801	ug/l	99
76) 1,2,3-Trichloropropane	11.220	75	36879m	17.464	ug/l	
77) Bromobenzene	11.177	156	44892	16.733	ug/l	98
78) n-propylbenzene	11.287	91	211474	16.475	ug/l	98
79) 2-Chlorotoluene	11.348	91	128712	16.701	ug/l	99
80) 1,3,5-Trimethylbenzene	11.433	105	150072	16.857	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.000	75	11094	18.181	ug/l #	75
82) 4-Chlorotoluene	11.433	91	150230	16.582	ug/l	97
83) tert-Butylbenzene	11.695	119	150796	16.638	ug/l	98
84) 1,2,4-Trimethylbenzene	11.732	105	151444	17.180	ug/l	100
85) sec-Butylbenzene	11.872	105	186114	16.480	ug/l	99
86) p-Isopropyltoluene	11.988	119	157528	16.500	ug/l	99
87) 1,3-Dichlorobenzene	11.951	146	82684	16.138	ug/l	100
88) 1,4-Dichlorobenzene	12.024	146	84248	16.145	ug/l	97
89) n-Butylbenzene	12.311	91	144458	16.116	ug/l	100
90) Hexachloroethane	12.518	117	27141	16.178	ug/l	99
91) 1,2-Dichlorobenzene	12.317	146	78752	16.587	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.920	75	8836	16.403	ug/l	97
93) 1,2,4-Trichlorobenzene	13.567	180	52916	16.151	ug/l	98
94) Hexachlorobutadiene	13.707	225	21557	15.686	ug/l	96
95) Naphthalene	13.756	128	135199	16.339	ug/l	100
96) 1,2,3-Trichlorobenzene	13.939	180	47887	16.092	ug/l	97

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

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