

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100225\
 Data File : VX047956.D
 Acq On : 02 Oct 2025 11:04
 Operator : JC/MD
 Sample : VX1002WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1002WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 10/03/2025
 Supervised By : Mahesh Dadoda 10/03/2025

Quant Time: Oct 03 03:26:05 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	5.537	168	151041	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.745	114	257081	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	229930	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	117908	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	111582	46.411	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	92.820%		
35) Dibromofluoromethane	5.367	113	89265	51.774	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	103.540%		
50) Toluene-d8	8.628	98	313110	52.484	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	104.960%		
62) 4-Bromofluorobenzene	11.061	95	117778	52.019	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	104.040%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.179	85	30241	19.335	ug/l	95
3) Chloromethane	1.300	50	32370	15.747	ug/l	98
4) Vinyl Chloride	1.386	62	35460	17.622	ug/l	97
5) Bromomethane	1.624	94	24254	19.008	ug/l	95
6) Chloroethane	1.697	64	23484	17.462	ug/l	99
7) Trichlorofluoromethane	1.898	101	56753	18.995	ug/l	97
8) Diethyl Ether	2.136	74	19608	16.044	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.337	101	34576	19.792	ug/l	97
10) Methyl Iodide	2.453	142	38759	14.226	ug/l	96
11) Tert butyl alcohol	2.940	59	17387	64.934	ug/l	96
12) 1,1-Dichloroethene	2.325	96	31206	17.390	ug/l	96
13) Acrolein	2.233	56	14290	57.913	ug/l	98
14) Allyl chloride	2.666	41	58352	15.758	ug/l	98
15) Acrylonitrile	3.056	53	75111	75.731	ug/l	99
16) Acetone	2.373	43	74118	70.903	ug/l	99
17) Carbon Disulfide	2.514	76	79390	16.160	ug/l	99
18) Methyl Acetate	2.697	43	36047	15.495	ug/l	99
19) Methyl tert-butyl Ether	3.105	73	103055	15.732	ug/l	98
20) Methylene Chloride	2.788	84	37212	16.817	ug/l	93
21) trans-1,2-Dichloroethene	3.093	96	33390	17.282	ug/l	94
22) Diisopropyl ether	3.745	45	122384	17.053	ug/l	85
23) Vinyl Acetate	3.709	43	445889	77.630	ug/l	100
24) 1,1-Dichloroethane	3.605	63	66264	17.372	ug/l	99
25) 2-Butanone	4.538	43	90534	69.431	ug/l	96
26) 2,2-Dichloropropane	4.458	77	56752	17.898	ug/l	100
27) cis-1,2-Dichloroethene	4.477	96	40009	16.909	ug/l	98
28) Bromochloromethane	4.879	49	32637	19.599	ug/l	99
29) Tetrahydrofuran	4.989	42	53283	67.926	ug/l	99
30) Chloroform	5.080	83	69800	18.108	ug/l	95
31) Cyclohexane	5.458	56	55887	17.591	ug/l	97
32) 1,1,1-Trichloroethane	5.367	97	59094	18.074	ug/l	98
36) 1,1-Dichloropropene	5.678	75	44002	17.466	ug/l	96
37) Ethyl Acetate	4.696	43	39081	14.488	ug/l	98
38) Carbon Tetrachloride	5.665	117	51473	18.804	ug/l	97
39) Methylcyclohexane	7.366	83	52074	18.209	ug/l	96
40) Benzene	6.019	78	139777	18.267	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.897	41	22059	15.840	ug/l	97
42) 1,2-Dichloroethane	6.068	62	50241	17.256	ug/l	99
43) Isopropyl Acetate	6.324	43	67737	15.311	ug/l	99
44) Trichloroethene	7.110	130	33910	18.330	ug/l	97
45) 1,2-Dichloropropane	7.415	63	35310	18.021	ug/l	94
46) Dibromomethane	7.568	93	24921	17.478	ug/l	99
47) Bromodichloromethane	7.805	83	54027	18.362	ug/l	95
48) Methyl methacrylate	7.677	41	32743	14.858	ug/l	99
49) 1,4-Dioxane	7.641	88	6914	310.454	ug/l	94
51) 4-Methyl-2-Pentanone	8.555	43	189715	77.343	ug/l	98
52) Toluene	8.702	92	86444	18.336	ug/l	99
53) t-1,3-Dichloropropene	8.964	75	51947	17.309	ug/l	99
54) cis-1,3-Dichloropropene	8.348	75	57562	17.944	ug/l	97
55) 1,1,2-Trichloroethane	9.134	97	32657	17.965	ug/l	92
56) Ethyl methacrylate	9.098	69	46012	16.117	ug/l	98
57) 1,3-Dichloropropane	9.293	76	57260	18.337	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.226	63	131962	103.744	ug/l	99
59) 2-Hexanone	9.415	43	130767	74.228	ug/l	100
60) Dibromochloromethane	9.506	129	38609	18.433	ug/l	99
61) 1,2-Dibromoethane	9.592	107	32840	17.737	ug/l	99
64) Tetrachloroethene	9.256	164	28169	18.793	ug/l	96
65) Chlorobenzene	10.061	112	96292	18.434	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.146	131	33483	18.576	ug/l	98
67) Ethyl Benzene	10.177	91	163214	18.109	ug/l	100
68) m/p-Xylenes	10.287	106	124303	37.054	ug/l	99
69) o-Xylene	10.622	106	58700	18.091	ug/l	99
70) Styrene	10.640	104	102151	17.967	ug/l	99
71) Bromoform	10.780	173	23953	17.797	ug/l #	97
73) Isopropylbenzene	10.945	105	156497	17.458	ug/l	99
74) N-amyl acetate	10.829	43	58298	14.262	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.195	83	43785	16.144	ug/l	98
76) 1,2,3-Trichloropropane	11.219	75	38474m	16.116	ug/l	
77) Bromobenzene	11.183	156	37501	16.986	ug/l	98
78) n-propylbenzene	11.286	91	187964	17.738	ug/l	99
79) 2-Chlorotoluene	11.347	91	112894	17.394	ug/l	98
80) 1,3,5-Trimethylbenzene	11.433	105	128377	17.431	ug/l	98
81) trans-1,4-Dichloro-2-b...	11.000	75	12924	13.806	ug/l	98
82) 4-Chlorotoluene	11.439	91	133391	17.402	ug/l	99
83) tert-Butylbenzene	11.695	119	130291	17.282	ug/l	100
84) 1,2,4-Trimethylbenzene	11.731	105	129085	17.288	ug/l	100
85) sec-Butylbenzene	11.872	105	159255	17.784	ug/l	100
86) p-Isopropyltoluene	11.994	119	133388	17.594	ug/l	99
87) 1,3-Dichlorobenzene	11.951	146	72183	17.602	ug/l	99
88) 1,4-Dichlorobenzene	12.024	146	73964	17.574	ug/l	99
89) n-Butylbenzene	12.317	91	122807	17.506	ug/l	98
90) Hexachloroethane	12.518	117	23943	17.988	ug/l	98
91) 1,2-Dichlorobenzene	12.317	146	66380	16.991	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.926	75	7371	13.424	ug/l	96
93) 1,2,4-Trichlorobenzene	13.567	180	39416	15.524	ug/l	98
94) Hexachlorobutadiene	13.707	225	15665	18.163	ug/l	97
95) Naphthalene	13.756	128	106975	13.836	ug/l	99
96) 1,2,3-Trichlorobenzene	13.938	180	37191	15.746	ug/l	98

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

