

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX093025\
 Data File : VX047899.D
 Acq On : 30 Sep 2025 11:06
 Operator : JC/MD
 Sample : VX0930WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0930WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 10/01/2025
 Supervised By : Mahesh Dadoda 10/03/2025

Quant Time: Oct 01 01:05:10 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	139945	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.744	114	252162	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.036	117	231700	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	116962	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	111456	50.035	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 100.060%			
35) Dibromofluoromethane	5.367	113	88183	52.144	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 104.280%			
50) Toluene-d8	8.634	98	298245	50.968	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 101.940%			
62) 4-Bromofluorobenzene	11.061	95	114694	51.645	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 103.300%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.178	85	31074	21.443	ug/l	100
3) Chloromethane	1.300	50	37023	19.439	ug/l	97
4) Vinyl Chloride	1.379	62	38369	20.580	ug/l	100
5) Bromomethane	1.617	94	24885	21.049	ug/l	97
6) Chloroethane	1.696	64	26261	21.075	ug/l	98
7) Trichlorofluoromethane	1.898	101	58065	20.976	ug/l	98
8) Diethyl Ether	2.135	74	23817	21.032	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.330	101	33865	20.922	ug/l	98
10) Methyl Iodide	2.452	142	44738	17.722	ug/l	99
11) Tert butyl alcohol	2.940	59	24336	98.093	ug/l	98
12) 1,1-Dichloroethene	2.324	96	33782	20.318	ug/l	98
13) Acrolein	2.233	56	17071	74.669	ug/l	94
14) Allyl chloride	2.666	41	66537	19.393	ug/l	96
15) Acrylonitrile	3.056	53	101872	110.857	ug/l	99
16) Acetone	2.373	43	102419	105.744	ug/l	98
17) Carbon Disulfide	2.513	76	87847	19.299	ug/l	98
18) Methyl Acetate	2.696	43	49397	22.917	ug/l	97
19) Methyl tert-butyl Ether	3.105	73	125472	20.672	ug/l	96
20) Methylene Chloride	2.788	84	44362	21.638	ug/l	93
21) trans-1,2-Dichloroethene	3.093	96	36680	20.491	ug/l	94
22) Diisopropyl ether	3.751	45	141324	21.254	ug/l	97
23) Vinyl Acetate	3.708	43	552550	103.827	ug/l	100
24) 1,1-Dichloroethane	3.605	63	74644	21.120	ug/l	97
25) 2-Butanone	4.537	43	133106	110.173	ug/l	100
26) 2,2-Dichloropropane	4.464	77	60806	20.697	ug/l	99
27) cis-1,2-Dichloroethene	4.476	96	45621	20.810	ug/l	99
28) Bromochloromethane	4.879	49	35248	22.845	ug/l	98
29) Tetrahydrofuran	4.989	42	78796	108.416	ug/l	99
30) Chloroform	5.074	83	78555	21.995	ug/l	99
31) Cyclohexane	5.458	56	56003	19.026	ug/l	96
32) 1,1,1-Trichloroethane	5.367	97	63051	20.814	ug/l	99
36) 1,1-Dichloropropene	5.684	75	47877	19.374	ug/l	98
37) Ethyl Acetate	4.696	43	55026	20.797	ug/l	98
38) Carbon Tetrachloride	5.659	117	53161	19.800	ug/l	96
39) Methylcyclohexane	7.366	83	51798	18.466	ug/l	97
40) Benzene	6.019	78	156993	20.917	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.897	41	29878	21.873	ug/l	98
42) 1,2-Dichloroethane	6.068	62	59274	20.756	ug/l	97
43) Isopropyl Acetate	6.318	43	88344	20.358	ug/l	99
44) Trichloroethene	7.110	130	37124	20.459	ug/l	97
45) 1,2-Dichloropropane	7.415	63	41005	21.336	ug/l	94
46) Dibromomethane	7.567	93	30294	21.661	ug/l	99
47) Bromodichloromethane	7.805	83	62078	21.510	ug/l	98
48) Methyl methacrylate	7.677	41	43226	19.998	ug/l	97
49) 1,4-Dioxane	7.647	88	10293	471.195	ug/l	97
51) 4-Methyl-2-Pentanone	8.555	43	264493	109.932	ug/l	99
52) Toluene	8.701	92	96436	20.855	ug/l	100
53) t-1,3-Dichloropropene	8.963	75	60522	20.559	ug/l	97
54) cis-1,3-Dichloropropene	8.348	75	66061	20.996	ug/l	99
55) 1,1,2-Trichloroethane	9.134	97	39041	21.896	ug/l	97
56) Ethyl methacrylate	9.098	69	57568	20.558	ug/l	99
57) 1,3-Dichloropropane	9.293	76	67303	21.973	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.226	63	135613	108.246	ug/l	99
59) 2-Hexanone	9.415	43	188844	109.286	ug/l	100
60) Dibromochloromethane	9.506	129	45550	22.171	ug/l	98
61) 1,2-Dibromoethane	9.591	107	41458	22.828	ug/l	100
64) Tetrachloroethene	9.256	164	29553	19.566	ug/l	98
65) Chlorobenzene	10.061	112	107879	20.495	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.146	131	38886	21.408	ug/l	100
67) Ethyl Benzene	10.177	91	179475	19.761	ug/l	100
68) m/p-Xylenes	10.286	106	137274	40.608	ug/l	99
69) o-Xylene	10.622	106	65978	20.178	ug/l	99
70) Styrene	10.640	104	117279	20.470	ug/l	98
71) Bromoform	10.780	173	29485	21.740	ug/l #	97
73) Isopropylbenzene	10.945	105	169045	19.011	ug/l	100
74) N-amyl acetate	10.823	43	75908	18.720	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.195	83	57365	21.323	ug/l	99
76) 1,2,3-Trichloropropane	11.225	75	43155m	18.223	ug/l	
77) Bromobenzene	11.183	156	43262	19.754	ug/l	98
78) n-propylbenzene	11.286	91	203358	19.346	ug/l	100
79) 2-Chlorotoluene	11.347	91	125246	19.454	ug/l	99
80) 1,3,5-Trimethylbenzene	11.433	105	142350	19.485	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.000	75	16033	17.265	ug/l	94
82) 4-Chlorotoluene	11.439	91	147339	19.377	ug/l	98
83) tert-Butylbenzene	11.695	119	141288	18.892	ug/l	98
84) 1,2,4-Trimethylbenzene	11.737	105	144682	19.534	ug/l	98
85) sec-Butylbenzene	11.871	105	172007	19.363	ug/l	100
86) p-Isopropyltoluene	11.993	119	143333	19.059	ug/l	99
87) 1,3-Dichlorobenzene	11.951	146	80302	19.740	ug/l	99
88) 1,4-Dichlorobenzene	12.024	146	82964	19.871	ug/l	99
89) n-Butylbenzene	12.317	91	131974	18.965	ug/l	98
90) Hexachloroethane	12.518	117	26275	19.900	ug/l	97
91) 1,2-Dichlorobenzene	12.317	146	77273	19.939	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	12.920	75	10179	18.688	ug/l	93
93) 1,2,4-Trichlorobenzene	13.566	180	48099	19.097	ug/l	98
94) Hexachlorobutadiene	13.707	225	16798	19.635	ug/l	98
95) Naphthalene	13.755	128	142292	18.552	ug/l	100
96) 1,2,3-Trichlorobenzene	13.938	180	45008	19.210	ug/l	99

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

