

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091625\
 Data File : VX047596.D
 Acq On : 16 Sep 2025 15:46
 Operator : JC/MD
 Sample : VX0916WBSD01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0916WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 09/17/2025
 Supervised By : Mahesh Dadoda 09/18/2025

Quant Time: Sep 17 06:50:57 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	5.538	168	181929	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.745	114	325791	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	290596	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	138945	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	143852	49.675	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	99.360%		
35) Dibromofluoromethane	5.373	113	110341	50.501	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	101.000%		
50) Toluene-d8	8.635	98	381352	50.441	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	100.880%		
62) 4-Bromofluorobenzene	11.061	95	143314	49.948	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	99.900%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.173	85	33541	17.804	ug/l	98
3) Chloromethane	1.301	50	42090	16.999	ug/l	99
4) Vinyl Chloride	1.380	62	44278	18.269	ug/l	99
5) Bromomethane	1.618	94	30788	20.033	ug/l	100
6) Chloroethane	1.697	64	30116	18.591	ug/l	100
7) Trichlorofluoromethane	1.898	101	68166	18.942	ug/l	98
8) Diethyl Ether	2.136	74	28743	19.525	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.337	101	41009	19.489	ug/l	97
10) Methyl Iodide	2.453	142	58682	17.881	ug/l	99
11) Tert butyl alcohol	2.941	59	33012	102.356	ug/l	99
12) 1,1-Dichloroethene	2.325	96	41456	19.179	ug/l	99
13) Acrolein	2.233	56	28260	95.085	ug/l	99
14) Allyl chloride	2.666	41	82879	18.581	ug/l	98
15) Acrylonitrile	3.056	53	125531	105.079	ug/l	98
16) Acetone	2.374	43	103981	82.582	ug/l	100
17) Carbon Disulfide	2.514	76	106786	18.046	ug/l	99
18) Methyl Acetate	2.697	43	62108	22.164	ug/l	100
19) Methyl tert-butyl Ether	3.105	73	158142	20.042	ug/l	97
20) Methylene Chloride	2.788	84	50905	19.100	ug/l	91
21) trans-1,2-Dichloroethene	3.093	96	44282	19.029	ug/l	98
22) Diisopropyl ether	3.751	45	172494	19.955	ug/l	98
23) Vinyl Acetate	3.709	43	686393	99.213	ug/l	98
24) 1,1-Dichloroethane	3.605	63	89388	19.455	ug/l	98
25) 2-Butanone	4.538	43	155163	98.792	ug/l	100
26) 2,2-Dichloropropane	4.459	77	67250	17.608	ug/l	99
27) cis-1,2-Dichloroethene	4.471	96	55188	19.365	ug/l	99
28) Bromochloromethane	4.879	49	39542	19.714	ug/l	99
29) Tetrahydrofuran	4.983	42	100103	105.947	ug/l	99
30) Chloroform	5.074	83	92774	19.982	ug/l	98
31) Cyclohexane	5.458	56	74519	19.474	ug/l	94
32) 1,1,1-Trichloroethane	5.373	97	78616	19.963	ug/l	99
36) 1,1-Dichloropropene	5.678	75	62129	19.460	ug/l	100
37) Ethyl Acetate	4.696	43	65824	19.255	ug/l	99
38) Carbon Tetrachloride	5.666	117	67477	19.452	ug/l	97
39) Methylcyclohexane	7.367	83	71729	19.792	ug/l	98
40) Benzene	6.019	78	188914	19.482	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.904	41	37973	21.517	ug/l	96
42) 1,2-Dichloroethane	6.068	62	72019	19.519	ug/l	100
43) Isopropyl Acetate	6.318	43	114850	20.485	ug/l	99
44) Trichloroethene	7.111	130	45822	19.545	ug/l	95
45) 1,2-Dichloropropane	7.409	63	49402	19.896	ug/l	98
46) Dibromomethane	7.568	93	36432	20.163	ug/l	100
47) Bromodichloromethane	7.806	83	74310	19.929	ug/l	98
48) Methyl methacrylate	7.678	41	57119	20.453	ug/l	99
49) 1,4-Dioxane	7.647	88	12568	445.313	ug/l	95
51) 4-Methyl-2-Pentanone	8.555	43	334554	107.626	ug/l	99
52) Toluene	8.702	92	118098	19.768	ug/l	99
53) t-1,3-Dichloropropene	8.964	75	75376	19.819	ug/l	100
54) cis-1,3-Dichloropropene	8.348	75	78552	19.323	ug/l	100
55) 1,1,2-Trichloroethane	9.135	97	45960	19.951	ug/l	98
56) Ethyl methacrylate	9.098	69	75840	20.963	ug/l	97
57) 1,3-Dichloropropane	9.293	76	81467	20.586	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.226	63	134952	85.465	ug/l	100
59) 2-Hexanone	9.415	43	229946	102.998	ug/l	99
60) Dibromochloromethane	9.507	129	53277	20.072	ug/l	98
61) 1,2-Dibromoethane	9.592	107	48384	20.620	ug/l	99
64) Tetrachloroethene	9.257	164	37273	19.676	ug/l	98
65) Chlorobenzene	10.061	112	129302	19.586	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.147	131	44780	19.657	ug/l	99
67) Ethyl Benzene	10.177	91	225886	19.830	ug/l	100
68) m/p-Xylenes	10.287	106	168342	39.705	ug/l	99
69) o-Xylene	10.622	106	82454	20.107	ug/l	99
70) Styrene	10.640	104	143120	19.918	ug/l	99
71) Bromoform	10.781	173	34379	20.211	ug/l #	97
73) Isopropylbenzene	10.945	105	212387	20.106	ug/l	99
74) N-amyl acetate	10.823	43	101337	21.037	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.195	83	65156	20.387	ug/l	99
76) 1,2,3-Trichloropropane	11.220	75	52267m	18.579	ug/l	
77) Bromobenzene	11.183	156	51964	19.973	ug/l	99
78) n-propylbenzene	11.287	91	254737	20.400	ug/l	100
79) 2-Chlorotoluene	11.348	91	155389	20.317	ug/l	100
80) 1,3,5-Trimethylbenzene	11.433	105	177272	20.426	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.000	75	20638	18.708	ug/l	97
82) 4-Chlorotoluene	11.439	91	181551	20.099	ug/l	100
83) tert-Butylbenzene	11.695	119	179765	20.234	ug/l	100
84) 1,2,4-Trimethylbenzene	11.732	105	179835	20.438	ug/l	100
85) sec-Butylbenzene	11.872	105	219002	20.753	ug/l	100
86) p-Isopropyltoluene	11.994	119	183853	20.579	ug/l	98
87) 1,3-Dichlorobenzene	11.951	146	98732	20.431	ug/l	98
88) 1,4-Dichlorobenzene	12.024	146	98157	19.791	ug/l	99
89) n-Butylbenzene	12.311	91	172398	20.855	ug/l	99
90) Hexachloroethane	12.518	117	30936	19.723	ug/l	99
91) 1,2-Dichlorobenzene	12.317	146	93305	20.267	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.927	75	13089	20.228	ug/l	96
93) 1,2,4-Trichlorobenzene	13.567	180	61351	20.504	ug/l	99
94) Hexachlorobutadiene	13.707	225	21855	21.504	ug/l	99
95) Naphthalene	13.756	128	186510	20.470	ug/l	100
96) 1,2,3-Trichlorobenzene	13.939	180	58065	20.862	ug/l	99

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

