

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092925\
 Data File : VX047873.D
 Acq On : 29 Sep 2025 11:26
 Operator : JC/MD
 Sample : VX0929WBSD01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0929WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 09/30/2025
 Supervised By : Mahesh Dadoda 10/03/2025

Quant Time: Sep 30 01:16:53 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	159091	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	281426	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	258238	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	129173	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	130982	51.724	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 103.440%			
35) Dibromofluoromethane	5.373	113	102561	54.340	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 108.680%			
50) Toluene-d8	8.635	98	345784	52.947	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 105.900%			
62) 4-Bromofluorobenzene	11.061	95	133853	54.005	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 108.000%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.179	85	34085	20.690	ug/l	97
3) Chloromethane	1.301	50	39019	18.021	ug/l	99
4) Vinyl Chloride	1.380	62	41519	19.590	ug/l	97
5) Bromomethane	1.618	94	28541	21.236	ug/l	97
6) Chloroethane	1.697	64	26784	18.908	ug/l	98
7) Trichlorofluoromethane	1.898	101	61665	19.595	ug/l	99
8) Diethyl Ether	2.136	74	25252	19.616	ug/l	96
9) 1,1,2-Trichlorotrifluo...	2.337	101	36665	19.925	ug/l	98
10) Methyl Iodide	2.459	142	43370	15.112	ug/l	99
11) Tert butyl alcohol	2.947	59	32652	115.773	ug/l	99
12) 1,1-Dichloroethene	2.325	96	36445	19.281	ug/l	96
13) Acrolein	2.239	56	22223	85.506	ug/l	98
14) Allyl chloride	2.666	41	69685	17.866	ug/l	96
15) Acrylonitrile	3.056	53	118062	113.014	ug/l	99
16) Acetone	2.380	43	101804	92.460	ug/l	99
17) Carbon Disulfide	2.514	76	95701	18.495	ug/l	99
18) Methyl Acetate	2.703	43	57525	23.476	ug/l	98
19) Methyl tert-butyl Ether	3.111	73	136117	19.727	ug/l	98
20) Methylene Chloride	2.788	84	45672	19.596	ug/l	95
21) trans-1,2-Dichloroethene	3.093	96	39396	19.359	ug/l	93
22) Diisopropyl ether	3.751	45	147892	19.565	ug/l #	77
23) Vinyl Acetate	3.715	43	602914	99.657	ug/l	99
24) 1,1-Dichloroethane	3.605	63	77590	19.312	ug/l	99
25) 2-Butanone	4.544	43	149922	109.158	ug/l	98
26) 2,2-Dichloropropane	4.471	77	62308	18.656	ug/l	99
27) cis-1,2-Dichloroethene	4.483	96	48396	19.419	ug/l	97
28) Bromochloromethane	4.891	49	32770	18.683	ug/l	99
29) Tetrahydrofuran	4.995	42	90983	110.118	ug/l	99
30) Chloroform	5.080	83	81327	20.031	ug/l	99
31) Cyclohexane	5.458	56	61505	18.380	ug/l	94
32) 1,1,1-Trichloroethane	5.373	97	67446	19.585	ug/l	100
36) 1,1-Dichloropropene	5.678	75	51627	18.719	ug/l	99
37) Ethyl Acetate	4.702	43	62780	21.260	ug/l	98
38) Carbon Tetrachloride	5.666	117	57219	19.095	ug/l	98
39) Methylcyclohexane	7.367	83	58622	18.725	ug/l	98
40) Benzene	6.025	78	164227	19.606	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.910	41	33580	22.027	ug/l	98
42) 1,2-Dichloroethane	6.074	62	61675	19.351	ug/l	98
43) Isopropyl Acetate	6.324	43	100312	20.713	ug/l	99
44) Trichloroethene	7.110	130	39965	19.734	ug/l	99
45) 1,2-Dichloropropane	7.415	63	42507	19.818	ug/l	97
46) Dibromomethane	7.568	93	31801	20.374	ug/l	98
47) Bromodichloromethane	7.805	83	63550	19.730	ug/l	98
48) Methyl methacrylate	7.677	41	49641	20.578	ug/l	98
49) 1,4-Dioxane	7.647	88	13266	544.144	ug/l	99
51) 4-Methyl-2-Pentanone	8.555	43	308945	115.055	ug/l	100
52) Toluene	8.702	92	101600	19.687	ug/l	98
53) t-1,3-Dichloropropene	8.964	75	62928	19.154	ug/l	98
54) cis-1,3-Dichloropropene	8.354	75	68607	19.537	ug/l	98
55) 1,1,2-Trichloroethane	9.134	97	41741	20.976	ug/l	98
56) Ethyl methacrylate	9.104	69	64436	20.618	ug/l	96
57) 1,3-Dichloropropane	9.293	76	72173	21.113	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.226	63	144008	103.449	ug/l	99
59) 2-Hexanone	9.415	43	217819	112.947	ug/l	99
60) Dibromochloromethane	9.506	129	48253	21.045	ug/l	99
61) 1,2-Dibromoethane	9.592	107	43859	21.639	ug/l	100
64) Tetrachloroethene	9.263	164	33085	19.653	ug/l	90
65) Chlorobenzene	10.067	112	111694	19.039	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.147	131	39843	19.681	ug/l	98
67) Ethyl Benzene	10.177	91	188830	18.654	ug/l	99
68) m/p-Xylenes	10.287	106	143383	38.056	ug/l	99
69) o-Xylene	10.628	106	68578	18.818	ug/l	99
70) Styrene	10.640	104	121241	18.987	ug/l	99
71) Bromoform	10.781	173	30968	20.487	ug/l #	99
73) Isopropylbenzene	10.945	105	179619	18.290	ug/l	98
74) N-amyl acetate	10.829	43	85106	19.004	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.195	83	61210	20.601	ug/l	97
76) 1,2,3-Trichloropropane	11.220	75	54877m	20.983	ug/l	
77) Bromobenzene	11.183	156	44933	18.577	ug/l	98
78) n-propylbenzene	11.287	91	214005	18.434	ug/l	99
79) 2-Chlorotoluene	11.348	91	130727	18.385	ug/l	98
80) 1,3,5-Trimethylbenzene	11.433	105	150269	18.624	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.000	75	18795	18.326	ug/l	98
82) 4-Chlorotoluene	11.439	91	153647	18.296	ug/l	99
83) tert-Butylbenzene	11.695	119	150211	18.186	ug/l	99
84) 1,2,4-Trimethylbenzene	11.732	105	149600	18.288	ug/l	99
85) sec-Butylbenzene	11.872	105	184933	18.850	ug/l	100
86) p-Isopropyltoluene	11.994	119	153538	18.486	ug/l	98
87) 1,3-Dichlorobenzene	11.951	146	84852	18.887	ug/l	99
88) 1,4-Dichlorobenzene	12.024	146	85922	18.634	ug/l	99
89) n-Butylbenzene	12.317	91	141840	18.456	ug/l	98
90) Hexachloroethane	12.518	117	27438	18.816	ug/l	98
91) 1,2-Dichlorobenzene	12.317	146	80764	18.870	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.927	75	11973	19.903	ug/l	95
93) 1,2,4-Trichlorobenzene	13.567	180	48957	17.600	ug/l	98
94) Hexachlorobutadiene	13.707	225	17769	18.806	ug/l	99
95) Naphthalene	13.756	128	153884	18.167	ug/l	100
96) 1,2,3-Trichlorobenzene	13.939	180	47416	18.324	ug/l	98

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

