

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX072925\
 Data File : VX047174.D
 Acq On : 29 Jul 2025 12:37
 Operator : JC/MD
 Sample : VX0729WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0729WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 07/30/2025
 Supervised By : Mahesh Dadoda 07/30/2025

Quant Time: Jul 30 01:13:29 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 22 03:59:51 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	301995	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	509244	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	456495	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	227806	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	175999	46.785	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	93.560%		
35) Dibromofluoromethane	5.385	113	150053	47.723	ug/l	-0.01
Spiked Amount 50.000	Range 75 - 124		Recovery =	95.440%		
50) Toluene-d8	8.647	98	462409	45.412	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	90.820%#		
62) 4-Bromofluorobenzene	11.079	95	213335	48.617	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	97.240%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.185	85	64659	16.119	ug/l	98
3) Chloromethane	1.313	50	57246	14.427	ug/l	99
4) Vinyl Chloride	1.392	62	72060	16.895	ug/l	98
5) Bromomethane	1.630	94	37988	16.396	ug/l	85
6) Chloroethane	1.709	64	41771	14.911	ug/l	96
7) Trichlorofluoromethane	1.904	101	104160	16.377	ug/l	97
8) Diethyl Ether	2.148	74	36610	16.326	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.343	101	63155	16.482	ug/l	99
10) Methyl Iodide	2.471	142	82304	21.075	ug/l	98
11) Tert butyl alcohol	2.953	59	37984	79.353	ug/l	100
12) 1,1-Dichloroethene	2.337	96	60073	15.829	ug/l	93
13) Acrolein	2.246	56	64931	80.161	ug/l	99
14) Allyl chloride	2.678	41	103549	15.094	ug/l	93
15) Acrylonitrile	3.075	53	150710	84.001	ug/l	100
16) Acetone	2.386	43	155381	103.104	ug/l	100
17) Carbon Disulfide	2.526	76	164253	14.960	ug/l	99
18) Methyl Acetate	2.709	43	78417	19.580	ug/l	100
19) Methyl tert-butyl Ether	3.123	73	194852	16.870	ug/l	100
20) Methylene Chloride	2.800	84	67586	16.302	ug/l	95
21) trans-1,2-Dichloroethene	3.105	96	62430	16.075	ug/l	95
22) Diisopropyl ether	3.770	45	225527	17.099	ug/l	92
23) Vinyl Acetate	3.727	43	909349	85.958	ug/l	99
24) 1,1-Dichloroethane	3.623	63	120989	16.496	ug/l	98
25) 2-Butanone	4.568	43	195376	89.036	ug/l	99
26) 2,2-Dichloropropane	4.483	77	97074	17.098	ug/l	100
27) cis-1,2-Dichloroethene	4.495	96	75300	16.373	ug/l	98
28) Bromochloromethane	4.904	49	64907	19.236	ug/l	99
29) Tetrahydrofuran	5.019	42	116349	82.177	ug/l	98
30) Chloroform	5.099	83	126109	16.891	ug/l	99
31) Cyclohexane	5.477	56	113956	16.204	ug/l	97
32) 1,1,1-Trichloroethane	5.391	97	109236	16.845	ug/l	99
36) 1,1-Dichloropropene	5.702	75	87258	16.281	ug/l	99
37) Ethyl Acetate	4.721	43	81033	16.408	ug/l	99
38) Carbon Tetrachloride	5.684	117	94154	16.459	ug/l	99
39) Methylcyclohexane	7.385	83	109565	16.373	ug/l	98
40) Benzene	6.044	78	256366	16.528	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.928	41	41444	16.050	ug/l #	90
42) 1,2-Dichloroethane	6.092	62	93643	17.139	ug/l	98
43) Isopropyl Acetate	6.342	43	134747	17.501	ug/l	99
44) Trichloroethene	7.129	130	63728	16.022	ug/l	96
45) 1,2-Dichloropropane	7.434	63	65441	16.845	ug/l	93
46) Dibromomethane	7.586	93	46060	16.907	ug/l	99
47) Bromodichloromethane	7.824	83	97384	16.795	ug/l	94
48) Methyl methacrylate	7.696	41	71012	16.931	ug/l	99
49) 1,4-Dioxane	7.714	88	17296	362.566	ug/l	93
51) 4-Methyl-2-Pentanone	8.574	43	405428	88.593	ug/l	99
52) Toluene	8.720	92	159901	16.766	ug/l	100
53) t-1,3-Dichloropropene	8.976	75	90979	16.615	ug/l	100
54) cis-1,3-Dichloropropene	8.366	75	100303	16.737	ug/l	97
55) 1,1,2-Trichloroethane	9.153	97	61668	17.242	ug/l	97
56) Ethyl methacrylate	9.116	69	92152	17.403	ug/l	97
57) 1,3-Dichloropropane	9.305	76	107417	17.280	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.238	63	269577	91.490	ug/l	100
59) 2-Hexanone	9.433	43	285572	94.451	ug/l	100
60) Dibromochloromethane	9.519	129	72218	17.216	ug/l	99
61) 1,2-Dibromoethane	9.610	107	63057	16.860	ug/l	98
64) Tetrachloroethene	9.275	164	53270	16.187	ug/l	99
65) Chlorobenzene	10.079	112	177997	16.644	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.159	131	59766	16.599	ug/l	98
67) Ethyl Benzene	10.195	91	314861	16.839	ug/l	99
68) m/p-Xylenes	10.299	106	237708	33.971	ug/l	98
69) o-Xylene	10.640	106	113357	17.029	ug/l	99
70) Styrene	10.653	104	195224	17.103	ug/l	99
71) Bromoform	10.799	173	47830	17.488	ug/l #	99
73) Isopropylbenzene	10.957	105	302869	16.852	ug/l	100
74) N-amyl acetate	10.842	43	118988	16.409	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.207	83	88985	17.333	ug/l	100
76) 1,2,3-Trichloropropane	11.238	75	72637m	17.227	ug/l	
77) Bromobenzene	11.195	156	72910	16.913	ug/l	98
78) n-propylbenzene	11.305	91	361895	16.850	ug/l	100
79) 2-Chlorotoluene	11.360	91	217341	16.929	ug/l	98
80) 1,3,5-Trimethylbenzene	11.451	105	251628	16.947	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	17677	10.801	ug/l	94
82) 4-Chlorotoluene	11.451	91	253989	16.950	ug/l	100
83) tert-Butylbenzene	11.713	119	255914	17.172	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	252100	17.022	ug/l	98
85) sec-Butylbenzene	11.890	105	318950	17.129	ug/l	99
86) p-Isopropyltoluene	12.006	119	267840	17.345	ug/l	100
87) 1,3-Dichlorobenzene	11.963	146	135910	16.593	ug/l	99
88) 1,4-Dichlorobenzene	12.036	146	137521	16.572	ug/l	97
89) n-Butylbenzene	12.329	91	255093	17.616	ug/l	98
90) Hexachloroethane	12.536	117	46432	16.808	ug/l	97
91) 1,2-Dichlorobenzene	12.335	146	131151	16.753	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	17660	17.921	ug/l	96
93) 1,2,4-Trichlorobenzene	13.585	180	91025	17.599	ug/l	98
94) Hexachlorobutadiene	13.725	225	30108	17.116	ug/l	96
95) Naphthalene	13.774	128	267660	17.653	ug/l	99
96) 1,2,3-Trichlorobenzene	13.957	180	83391	16.736	ug/l	99

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

