

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070325\
 Data File : VX046873.D
 Acq On : 03 Jul 2025 09:56
 Operator : JC/MD
 Sample : VX0703WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0703WBS01

Manual Integrations
 APPROVED

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

Quant Time: Jul 04 01:26:52 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070225W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 03 05:51:11 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.562	168	380935	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	631809	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	572542	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	293826	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	250995	49.875	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	99.740%		
35) Dibromofluoromethane	5.397	113	210542	49.092	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	98.180%		
50) Toluene-d8	8.646	98	750632	49.607	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	99.220%		
62) 4-Bromofluorobenzene	11.079	95	291553	50.697	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	101.400%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.184	85	68036	18.675	ug/l	97
3) Chloromethane	1.306	50	75722	19.024	ug/l	98
4) Vinyl Chloride	1.386	62	80875	18.658	ug/l	97
5) Bromomethane	1.629	94	57067	20.491	ug/l	95
6) Chloroethane	1.709	64	51958	18.153	ug/l	97
7) Trichlorofluoromethane	1.910	101	125782	18.767	ug/l	100
8) Diethyl Ether	2.148	74	44233	18.546	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.349	101	80482	18.845	ug/l	99
10) Methyl Iodide	2.471	142	81435	17.503	ug/l	95
11) Tert butyl alcohol	2.952	59	29156	88.336	ug/l	99
12) 1,1-Dichloroethene	2.337	96	75156	18.194	ug/l	99
13) Acrolein	2.251	56	32484	90.891	ug/l	98
14) Allyl chloride	2.684	41	135287	18.396	ug/l	99
15) Acrylonitrile	3.074	53	177334	92.929	ug/l	99
16) Acetone	2.385	43	135535	86.703	ug/l	99
17) Carbon Disulfide	2.532	76	194647	17.968	ug/l	99
18) Methyl Acetate	2.715	43	79351	19.259	ug/l	98
19) Methyl tert-butyl Ether	3.123	73	220287	18.885	ug/l	100
20) Methylene Chloride	2.806	84	85406	18.476	ug/l	97
21) trans-1,2-Dichloroethene	3.111	96	80998	19.163	ug/l	92
22) Diisopropyl ether	3.769	45	278055	19.570	ug/l	91
23) Vinyl Acetate	3.733	43	1002297	94.162	ug/l	100
24) 1,1-Dichloroethane	3.629	63	153606	18.957	ug/l	98
25) 2-Butanone	4.568	43	194141	93.086	ug/l	98
26) 2,2-Dichloropropane	4.495	77	109423	18.145	ug/l	98
27) cis-1,2-Dichloroethene	4.507	96	98001	18.990	ug/l	99
28) Bromochloromethane	4.909	49	63945	15.990	ug/l	99
29) Tetrahydrofuran	5.013	42	125617	94.485	ug/l	99
30) Chloroform	5.104	83	157900	19.074	ug/l	99
31) Cyclohexane	5.488	56	138302	19.226	ug/l	98
32) 1,1,1-Trichloroethane	5.397	97	130237	18.831	ug/l	99
36) 1,1-Dichloropropene	5.708	75	104793	18.110	ug/l	98
37) Ethyl Acetate	4.726	43	81519	16.541	ug/l	96
38) Carbon Tetrachloride	5.690	117	111817	18.278	ug/l	96
39) Methylcyclohexane	7.385	83	134672	18.606	ug/l	95
40) Benzene	6.049	78	331479	18.939	ug/l	97

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41) Methacrylonitrile	4.934	41	49384	18.784	ug/l	95
42) 1,2-Dichloroethane	6.092	62	110414	18.579	ug/l	99
43) Isopropyl Acetate	6.348	43	142626	18.894	ug/l	100
44) Trichloroethene	7.135	130	83932	18.422	ug/l	99
45) 1,2-Dichloropropane	7.433	63	82453	18.647	ug/l	100
46) Dibromomethane	7.586	93	56307	18.378	ug/l	97
47) Bromodichloromethane	7.823	83	122976	18.798	ug/l	97
48) Methyl methacrylate	7.695	41	72971	18.721	ug/l	99
49) 1,4-Dioxane	7.665	88	16908	374.371	ug/l #	91
51) 4-Methyl-2-Pentanone	8.573	43	424297	95.238	ug/l	99
52) Toluene	8.720	92	207111	19.096	ug/l	100
53) t-1,3-Dichloropropene	8.976	75	107683	18.444	ug/l	98
54) cis-1,3-Dichloropropene	8.366	75	123427	18.521	ug/l	97
55) 1,1,2-Trichloroethane	9.152	97	77121	19.091	ug/l	97
56) Ethyl methacrylate	9.116	69	105762	18.916	ug/l	99
57) 1,3-Dichloropropane	9.311	76	132209	19.007	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.244	63	274129	87.015	ug/l	100
59) 2-Hexanone	9.427	43	272293	92.144	ug/l	99
60) Dibromochloromethane	9.518	129	89907	18.597	ug/l	100
61) 1,2-Dibromoethane	9.610	107	75647	18.646	ug/l	100
64) Tetrachloroethene	9.274	164	70534	18.503	ug/l	95
65) Chlorobenzene	10.079	112	230093	18.588	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.158	131	77000	18.504	ug/l	98
67) Ethyl Benzene	10.195	91	400024	18.870	ug/l	98
68) m/p-Xylenes	10.299	106	303388	37.980	ug/l	99
69) o-Xylene	10.640	106	144569	18.736	ug/l	99
70) Styrene	10.652	104	255321	19.340	ug/l	100
71) Bromoform	10.799	173	56499	18.260	ug/l	100
73) Isopropylbenzene	10.963	105	384896	18.634	ug/l	100
74) N-amyl acetate	10.841	43	127048	18.101	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.207	83	103145	18.161	ug/l	99
76) 1,2,3-Trichloropropane	11.237	75	80806m	17.799	ug/l	
77) Bromobenzene	11.195	156	93265	18.128	ug/l	98
78) n-propylbenzene	11.298	91	461151	18.516	ug/l	100
79) 2-Chlorotoluene	11.359	91	274010	18.632	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	314655	18.748	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	28155	16.642	ug/l	96
82) 4-Chlorotoluene	11.451	91	317541	18.711	ug/l	98
83) tert-Butylbenzene	11.713	119	326204	18.819	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	318339	18.766	ug/l	96
85) sec-Butylbenzene	11.890	105	411978	18.850	ug/l	100
86) p-Isopropyltoluene	12.006	119	340932	18.628	ug/l	100
87) 1,3-Dichlorobenzene	11.969	146	177009	18.396	ug/l	98
88) 1,4-Dichlorobenzene	12.036	146	180023	17.977	ug/l	99
89) n-Butylbenzene	12.329	91	317598	18.468	ug/l	99
90) Hexachloroethane	12.536	117	56665	17.465	ug/l	98
91) 1,2-Dichlorobenzene	12.335	146	172751	18.527	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	12.938	75	17485	17.601	ug/l	94
93) 1,2,4-Trichlorobenzene	13.585	180	112828	17.812	ug/l	99
94) Hexachlorobutadiene	13.719	225	44266	18.530	ug/l	100
95) Naphthalene	13.774	128	308131	18.460	ug/l	100
96) 1,2,3-Trichlorobenzene	13.956	180	107332	17.933	ug/l	98

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

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