

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX072525\
 Data File : VX047134.D
 Acq On : 25 Jul 2025 12:00
 Operator : JC/MD
 Sample : VX0725WBSD01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0725WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 07/28/2025
 Supervised By : Mahesh Dadoda 07/28/2025

Quant Time: Jul 26 00:26:10 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	5.562	168	296074	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	508838	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	457935	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	229547	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	166444	45.129	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	90.260%		
35) Dibromofluoromethane	5.397	113	142120	45.236	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	90.480%		
50) Toluene-d8	8.653	98	443453	43.585	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	87.180%#		
62) 4-Bromofluorobenzene	11.079	95	204372	46.611	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	93.220%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.185	85	73335	18.648	ug/l	99
3) Chloromethane	1.313	50	65004	16.710	ug/l	97
4) Vinyl Chloride	1.392	62	77463	18.524	ug/l	95
5) Bromomethane	1.630	94	38761	17.064	ug/l	94
6) Chloroethane	1.709	64	44573	16.229	ug/l	98
7) Trichlorofluoromethane	1.910	101	111460	17.875	ug/l	99
8) Diethyl Ether	2.148	74	39960	18.176	ug/l	96
9) 1,1,2-Trichlorotrifluo...	2.349	101	68061	18.117	ug/l	98
10) Methyl Iodide	2.465	142	90553	23.651	ug/l	97
11) Tert butyl alcohol	2.959	59	41651	90.024	ug/l	99
12) 1,1-Dichloroethene	2.337	96	65537	17.614	ug/l	99
13) Acrolein	2.252	56	77727	97.878	ug/l	100
14) Allyl chloride	2.684	41	115979	17.244	ug/l	93
15) Acrylonitrile	3.075	53	168769	95.947	ug/l	99
16) Acetone	2.386	43	141106	95.504	ug/l	97
17) Carbon Disulfide	2.532	76	187062	17.378	ug/l	98
18) Methyl Acetate	2.715	43	82849	21.101	ug/l	98
19) Methyl tert-butyl Ether	3.123	73	216590	19.127	ug/l	99
20) Methylene Chloride	2.806	84	73751	18.144	ug/l	99
21) trans-1,2-Dichloroethene	3.105	96	69118	18.153	ug/l	93
22) Diisopropyl ether	3.770	45	249910	19.326	ug/l	99
23) Vinyl Acetate	3.733	43	1011303	97.507	ug/l	99
24) 1,1-Dichloroethane	3.623	63	132026	18.361	ug/l	100
25) 2-Butanone	4.568	43	208651	96.987	ug/l	98
26) 2,2-Dichloropropane	4.489	77	103196	18.539	ug/l	99
27) cis-1,2-Dichloroethene	4.501	96	83158	18.444	ug/l	98
28) Bromochloromethane	4.910	49	69289	20.945	ug/l	100
29) Tetrahydrofuran	5.025	42	136503	98.340	ug/l	99
30) Chloroform	5.105	83	136332	18.626	ug/l	95
31) Cyclohexane	5.483	56	126777	18.388	ug/l	97
32) 1,1,1-Trichloroethane	5.391	97	119432	18.785	ug/l	99
36) 1,1-Dichloropropene	5.708	75	96355	17.992	ug/l	99
37) Ethyl Acetate	4.721	43	94453	19.140	ug/l	99
38) Carbon Tetrachloride	5.684	117	103109	18.039	ug/l	96
39) Methylcyclohexane	7.385	83	120361	18.001	ug/l	97
40) Benzene	6.050	78	286576	18.491	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.934	41	45139	17.494	ug/l	93
42) 1,2-Dichloroethane	6.098	62	101550	18.601	ug/l	99
43) Isopropyl Acetate	6.348	43	151776	19.729	ug/l	100
44) Trichloroethene	7.135	130	71128	17.897	ug/l	97
45) 1,2-Dichloropropane	7.434	63	73006	18.808	ug/l	96
46) Dibromomethane	7.586	93	52243	19.192	ug/l	98
47) Bromodichloromethane	7.824	83	110327	19.042	ug/l	98
48) Methyl methacrylate	7.696	41	77813	18.567	ug/l	98
49) 1,4-Dioxane	7.714	88	19954	418.618	ug/l #	93
51) 4-Methyl-2-Pentanone	8.574	43	464185	101.513	ug/l	98
52) Toluene	8.720	92	178558	18.737	ug/l	99
53) t-1,3-Dichloropropene	8.982	75	101821	18.610	ug/l	100
54) cis-1,3-Dichloropropene	8.366	75	113200	18.904	ug/l	98
55) 1,1,2-Trichloroethane	9.153	97	68561	19.184	ug/l	97
56) Ethyl methacrylate	9.116	69	104468	19.745	ug/l	98
57) 1,3-Dichloropropane	9.311	76	116455	18.749	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.244	63	278078	94.451	ug/l	99
59) 2-Hexanone	9.433	43	320146	105.971	ug/l	99
60) Dibromochloromethane	9.519	129	80676	19.247	ug/l	99
61) 1,2-Dibromoethane	9.610	107	71010	19.002	ug/l	99
64) Tetrachloroethene	9.275	164	59257	17.950	ug/l	98
65) Chlorobenzene	10.079	112	198483	18.502	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.159	131	68429	18.946	ug/l	98
67) Ethyl Benzene	10.195	91	351249	18.726	ug/l	98
68) m/p-Xylenes	10.299	106	262046	37.332	ug/l	99
69) o-Xylene	10.640	106	128239	19.204	ug/l	99
70) Styrene	10.653	104	215887	18.854	ug/l	99
71) Bromoform	10.799	173	51564	18.794	ug/l #	98
73) Isopropylbenzene	10.963	105	341005	18.830	ug/l	99
74) N-amyl acetate	10.842	43	138570	18.964	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.207	83	101142	19.552	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	79028m	18.600	ug/l	
77) Bromobenzene	11.195	156	80657	18.569	ug/l	99
78) n-propylbenzene	11.305	91	407823	18.845	ug/l	100
79) 2-Chlorotoluene	11.360	91	240498	18.591	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	281070	18.786	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	19438	11.787	ug/l	98
82) 4-Chlorotoluene	11.451	91	285484	18.907	ug/l	100
83) tert-Butylbenzene	11.713	119	282635	18.821	ug/l	98
84) 1,2,4-Trimethylbenzene	11.750	105	282789	18.950	ug/l	99
85) sec-Butylbenzene	11.890	105	355570	18.951	ug/l	99
86) p-Isopropyltoluene	12.006	119	293511	18.864	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	154435	18.712	ug/l	99
88) 1,4-Dichlorobenzene	12.036	146	154319	18.455	ug/l	98
89) n-Butylbenzene	12.329	91	276770	18.968	ug/l	99
90) Hexachloroethane	12.536	117	51465	18.489	ug/l	99
91) 1,2-Dichlorobenzene	12.335	146	145149	18.401	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	20393	20.537	ug/l	97
93) 1,2,4-Trichlorobenzene	13.585	180	98252	18.852	ug/l	99
94) Hexachlorobutadiene	13.725	225	34130	19.256	ug/l	98
95) Naphthalene	13.774	128	319967	20.942	ug/l	99
96) 1,2,3-Trichlorobenzene	13.957	180	93811	18.684	ug/l	98

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

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