

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081425\
 Data File : VX047343.D
 Acq On : 14 Aug 2025 16:43
 Operator : JC/MD
 Sample : VX0814WBSD02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0814WBSD02

Manual Integrations
 APPROVED

Reviewed By : John Carlone 08/18/2025
 Supervised By : Mahesh Dadoda 08/19/2025

Quant Time: Aug 18 01:30:24 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	233402	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	397919	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	366206	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	184320	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	156525	53.836	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 107.680%			
35) Dibromofluoromethane	5.397	113	139917	56.949	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 113.900%			
50) Toluene-d8	8.647	98	386412	48.565	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 97.140%			
62) 4-Bromofluorobenzene	11.079	95	190746	55.630	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 111.260%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.185	85	56394	18.191	ug/l	100
3) Chloromethane	1.307	50	48844	15.928	ug/l	99
4) Vinyl Chloride	1.392	62	56882	17.255	ug/l	96
5) Bromomethane	1.630	94	27583	15.404	ug/l	87
6) Chloroethane	1.703	64	36345	16.787	ug/l	96
7) Trichlorofluoromethane	1.904	101	87460	17.793	ug/l	96
8) Diethyl Ether	2.148	74	32968	19.022	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.343	101	54300	18.335	ug/l	99
10) Methyl Iodide	2.465	142	80178	26.565	ug/l	99
11) Tert butyl alcohol	2.965	59	31661	86.424	ug/l	99
12) 1,1-Dichloroethene	2.337	96	49732	16.955	ug/l	89
13) Acrolein	2.246	56	67609	107.997	ug/l	100
14) Allyl chloride	2.678	41	90317	17.034	ug/l	98
15) Acrylonitrile	3.081	53	141251	101.865	ug/l	99
16) Acetone	2.392	43	126635	108.725	ug/l	100
17) Carbon Disulfide	2.526	76	135338	15.949	ug/l	99
18) Methyl Acetate	2.715	43	70307	22.714	ug/l	99
19) Methyl tert-butyl Ether	3.123	73	173449	19.430	ug/l	97
20) Methylene Chloride	2.800	84	57950	18.085	ug/l	97
21) trans-1,2-Dichloroethene	3.105	96	54862	18.278	ug/l	99
22) Diisopropyl ether	3.770	45	198087	19.432	ug/l	99
23) Vinyl Acetate	3.733	43	798198	97.625	ug/l	99
24) 1,1-Dichloroethane	3.623	63	104073	18.360	ug/l	99
25) 2-Butanone	4.568	43	170009	100.244	ug/l	99
26) 2,2-Dichloropropane	4.483	77	77588	17.682	ug/l	99
27) cis-1,2-Dichloroethene	4.501	96	64634	18.184	ug/l	99
28) Bromochloromethane	4.904	49	52766	20.233	ug/l	99
29) Tetrahydrofuran	5.026	42	109488	100.058	ug/l	100
30) Chloroform	5.105	83	109584	18.991	ug/l	94
31) Cyclohexane	5.477	56	93463	17.196	ug/l	98
32) 1,1,1-Trichloroethane	5.391	97	90840	18.125	ug/l	100
36) 1,1-Dichloropropene	5.702	75	71516	17.077	ug/l	98
37) Ethyl Acetate	4.721	43	81240	21.052	ug/l	97
38) Carbon Tetrachloride	5.684	117	79086	17.693	ug/l	98
39) Methylcyclohexane	7.385	83	87969	16.824	ug/l	94
40) Benzene	6.050	78	223576	18.447	ug/l	98

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.934	41	35706	17.696	ug/l #	89
42) 1,2-Dichloroethane	6.098	62	81230	19.026	ug/l	99
43) Isopropyl Acetate	6.348	43	122943	20.436	ug/l	100
44) Trichloroethene	7.135	130	56204	18.084	ug/l	92
45) 1,2-Dichloropropane	7.434	63	57417	18.915	ug/l	95
46) Dibromomethane	7.586	93	42575	20.000	ug/l	99
47) Bromodichloromethane	7.824	83	85855	18.949	ug/l	99
48) Methyl methacrylate	7.696	41	61409	18.737	ug/l	97
49) 1,4-Dioxane	7.677	88	13145	352.641	ug/l	96
51) 4-Methyl-2-Pentanone	8.574	43	373915	104.565	ug/l	99
52) Toluene	8.720	92	139409	18.707	ug/l	100
53) t-1,3-Dichloropropene	8.976	75	76431	17.863	ug/l	96
54) cis-1,3-Dichloropropene	8.366	75	84047	17.948	ug/l	98
55) 1,1,2-Trichloroethane	9.153	97	56694	20.285	ug/l	97
56) Ethyl methacrylate	9.116	69	84400	20.399	ug/l	99
57) 1,3-Dichloropropane	9.311	76	96589	19.885	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.244	63	179765	78.078	ug/l	100
59) 2-Hexanone	9.433	43	259785	109.961	ug/l	98
60) Dibromochloromethane	9.519	129	63916	19.499	ug/l	100
61) 1,2-Dibromoethane	9.610	107	56887	19.466	ug/l	98
64) Tetrachloroethene	9.275	164	45640	17.288	ug/l	97
65) Chlorobenzene	10.079	112	156444	18.236	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.159	131	54724	18.946	ug/l	97
67) Ethyl Benzene	10.195	91	268506	17.900	ug/l	99
68) m/p-Xylenes	10.299	106	205110	36.540	ug/l	98
69) o-Xylene	10.640	106	98739	18.490	ug/l	99
70) Styrene	10.653	104	172299	18.816	ug/l	99
71) Bromoform	10.799	173	41014	18.693	ug/l #	98
73) Isopropylbenzene	10.963	105	258349	17.766	ug/l	99
74) N-amyl acetate	10.842	43	104912	17.881	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.207	83	84340	20.304	ug/l	100
76) 1,2,3-Trichloropropane	11.238	75	64885m	19.019	ug/l	
77) Bromobenzene	11.195	156	62572	17.940	ug/l	98
78) n-propylbenzene	11.305	91	307536	17.698	ug/l	99
79) 2-Chlorotoluene	11.360	91	187631	18.063	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	213680	17.786	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	9220	6.963	ug/l	92
82) 4-Chlorotoluene	11.451	91	223294	18.417	ug/l	99
83) tert-Butylbenzene	11.713	119	217996	18.079	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	220917	18.436	ug/l	100
85) sec-Butylbenzene	11.890	105	268735	17.837	ug/l	100
86) p-Isopropyltoluene	12.006	119	227631	18.219	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	123847	18.688	ug/l	98
88) 1,4-Dichlorobenzene	12.036	146	126404	18.826	ug/l	98
89) n-Butylbenzene	12.329	91	210808	17.992	ug/l	98
90) Hexachloroethane	12.536	117	38396	17.179	ug/l	98
91) 1,2-Dichlorobenzene	12.335	146	116908	18.457	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	15801	19.817	ug/l	98
93) 1,2,4-Trichlorobenzene	13.585	180	78304	18.711	ug/l	99
94) Hexachlorobutadiene	13.719	225	26692	18.754	ug/l	99
95) Naphthalene	13.774	128	238263	19.421	ug/l	100
96) 1,2,3-Trichlorobenzene	13.957	180	74732	18.536	ug/l	100

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

