

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081825\
 Data File : VX047374.D
 Acq On : 18 Aug 2025 12:17
 Operator : JC/MD
 Sample : VX0818WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0818WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 08/19/2025
 Supervised By : Mahesh Dadoda 08/20/2025

Quant Time: Aug 19 01:38:48 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 18 04:18:28 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.562	168	256302	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	426348	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	389002	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	197596	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	178254	49.694	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	99.380%		
35) Dibromofluoromethane	5.391	113	142113	51.359	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	102.720%		
50) Toluene-d8	8.647	98	501625	50.720	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	101.440%		
62) 4-Bromofluorobenzene	11.079	95	190251	52.129	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	104.260%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.185	85	67016	20.511	ug/l	99
3) Chloromethane	1.313	50	66512	22.629	ug/l	96
4) Vinyl Chloride	1.392	62	70527	19.117	ug/l #	34
5) Bromomethane	1.630	94	20713	13.900	ug/l	91
6) Chloroethane	1.703	64	60368	26.745	ug/l	96
7) Trichlorofluoromethane	1.904	101	107298	19.663	ug/l	99
8) Diethyl Ether	2.148	74	36957	19.234	ug/l	97
9) 1,1,2-Trichlorotrifluo...	2.349	101	64346	20.328	ug/l	98
10) Methyl Iodide	2.471	142	82052	15.126	ug/l	97
11) Tert butyl alcohol	2.959	59	31857	102.089	ug/l	98
12) 1,1-Dichloroethene	2.337	96	64232	19.904	ug/l	95
13) Acrolein	2.245	56	613	0.931	ug/l #	33
14) Allyl chloride	2.678	41	91338	16.296	ug/l	96
15) Acrylonitrile	3.075	53	148399	98.415	ug/l	98
16) Acetone	2.386	43	131812	97.762	ug/l	98
17) Carbon Disulfide	2.532	76	205259	21.078	ug/l	99
18) Methyl Acetate	2.715	43	70302	20.121	ug/l	100
19) Methyl tert-butyl Ether	3.123	73	187203	19.069	ug/l	97
20) Methylene Chloride	2.806	84	68704	19.243	ug/l	98
21) trans-1,2-Dichloroethene	3.105	96	65926	19.248	ug/l	96
22) Diisopropyl ether	3.770	45	221531	19.995	ug/l	92
23) Vinyl Acetate	3.733	43	885489	97.510	ug/l	98
24) 1,1-Dichloroethane	3.623	63	121482	19.399	ug/l	99
25) 2-Butanone	4.568	43	175245	99.242	ug/l	97
26) 2,2-Dichloropropane	4.483	77	87410	18.494	ug/l	99
27) cis-1,2-Dichloroethene	4.501	96	76181	19.096	ug/l	100
28) Bromochloromethane	4.910	49	50307	19.305	ug/l	98
29) Tetrahydrofuran	5.025	42	110222	96.574	ug/l	97
30) Chloroform	5.099	83	127625	19.969	ug/l	100
31) Cyclohexane	5.483	56	114604	19.853	ug/l	93
32) 1,1,1-Trichloroethane	5.397	97	108545	19.732	ug/l	98
36) 1,1-Dichloropropene	5.702	75	88168	20.185	ug/l	99
37) Ethyl Acetate	4.727	43	84412	18.615	ug/l	99
38) Carbon Tetrachloride	5.684	117	97536	20.434	ug/l	96
39) Methylcyclohexane	7.385	83	108722	19.955	ug/l	96
40) Benzene	6.044	78	262740	20.096	ug/l	99

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41) Methacrylonitrile	4.934	41	37848	19.793	ug/l	98
42) 1,2-Dichloroethane	6.092	62	95188	20.554	ug/l	100
43) Isopropyl Acetate	6.342	43	127724	19.606	ug/l	99
44) Trichloroethene	7.129	130	66400	19.835	ug/l	99
45) 1,2-Dichloropropane	7.434	63	64842	19.797	ug/l	96
46) Dibromomethane	7.586	93	47290	19.887	ug/l	99
47) Bromodichloromethane	7.824	83	100235	20.333	ug/l	99
48) Methyl methacrylate	7.696	41	65407	19.343	ug/l	99
49) 1,4-Dioxane	7.690	88	11672	355.080	ug/l	95
51) 4-Methyl-2-Pentanone	8.574	43	384202	102.487	ug/l	98
52) Toluene	8.720	92	165801	20.523	ug/l	100
53) t-1,3-Dichloropropene	8.976	75	84674	19.681	ug/l	97
54) cis-1,3-Dichloropropene	8.366	75	95068	19.522	ug/l	99
55) 1,1,2-Trichloroethane	9.153	97	62518	20.382	ug/l	99
56) Ethyl methacrylate	9.116	69	88182	19.499	ug/l	98
57) 1,3-Dichloropropane	9.305	76	105761	20.234	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.244	63	182812	90.181	ug/l	98
59) 2-Hexanone	9.433	43	260233	100.356	ug/l	99
60) Dibromochloromethane	9.519	129	74313	20.386	ug/l	100
61) 1,2-Dibromoethane	9.610	107	62983	19.912	ug/l	97
64) Tetrachloroethene	9.275	164	56403	20.046	ug/l	94
65) Chlorobenzene	10.079	112	182846	19.780	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.159	131	61571	19.703	ug/l	99
67) Ethyl Benzene	10.189	91	317013	19.925	ug/l	98
68) m/p-Xylenes	10.299	106	241301	40.673	ug/l	99
69) o-Xylene	10.640	106	114422	20.042	ug/l	99
70) Styrene	10.652	104	194838	20.197	ug/l	99
71) Bromoform	10.799	173	47781	20.353	ug/l #	98
73) Isopropylbenzene	10.957	105	305580	19.762	ug/l	100
74) N-amyl acetate	10.841	43	113146	19.269	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.207	83	87881	19.357	ug/l	98
76) 1,2,3-Trichloropropane	11.238	75	68334m	18.855	ug/l	
77) Bromobenzene	11.195	156	74393	19.702	ug/l	98
78) n-propylbenzene	11.305	91	367285	19.888	ug/l	100
79) 2-Chlorotoluene	11.360	91	218232	19.548	ug/l	98
80) 1,3,5-Trimethylbenzene	11.451	105	250724	19.707	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	6799	14.737	ug/l	98
82) 4-Chlorotoluene	11.451	91	256557	19.496	ug/l	100
83) tert-Butylbenzene	11.713	119	254465	20.048	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	256880	20.190	ug/l	98
85) sec-Butylbenzene	11.890	105	317850	20.203	ug/l	100
86) p-Isopropyltoluene	12.006	119	266082	19.987	ug/l	99
87) 1,3-Dichlorobenzene	11.963	146	140744	19.511	ug/l	99
88) 1,4-Dichlorobenzene	12.036	146	141033	19.010	ug/l	99
89) n-Butylbenzene	12.329	91	245865	19.856	ug/l	99
90) Hexachloroethane	12.536	117	43179	18.488	ug/l	97
91) 1,2-Dichlorobenzene	12.335	146	132017	19.282	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.939	75	16513	18.808	ug/l	99
93) 1,2,4-Trichlorobenzene	13.585	180	87089	18.974	ug/l	99
94) Hexachlorobutadiene	13.719	225	29173	17.856	ug/l	99
95) Naphthalene	13.774	128	252094	19.219	ug/l	100
96) 1,2,3-Trichlorobenzene	13.957	180	82149	18.987	ug/l	99

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

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