

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX072825\
 Data File : VX047156.D
 Acq On : 28 Jul 2025 11:11
 Operator : JC/MD
 Sample : VX0728WBSD01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0728WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 07/29/2025
 Supervised By : Mahesh Dadoda 07/29/2025

Quant Time: Jul 29 02:13:37 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	296687	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	500012	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	452886	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	223131	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	175682	47.536	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	95.080%		
35) Dibromofluoromethane	5.391	113	148339	48.049	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	96.100%		
50) Toluene-d8	8.647	98	452427	45.252	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	90.500%#		
62) 4-Bromofluorobenzene	11.079	95	209410	48.603	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	97.200%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.185	85	72888	18.496	ug/l	99
3) Chloromethane	1.313	50	61940	15.890	ug/l	95
4) Vinyl Chloride	1.392	62	76806	18.329	ug/l	100
5) Bromomethane	1.630	94	41717	18.327	ug/l	94
6) Chloroethane	1.709	64	46488	16.892	ug/l	100
7) Trichlorofluoromethane	1.910	101	112295	17.972	ug/l	99
8) Diethyl Ether	2.148	74	41227	18.713	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.349	101	68537	18.206	ug/l	99
10) Methyl Iodide	2.471	142	98801	25.752	ug/l	99
11) Tert butyl alcohol	2.953	59	39096	83.648	ug/l	99
12) 1,1-Dichloroethene	2.337	96	66587	17.859	ug/l	97
13) Acrolein	2.245	56	68772	86.422	ug/l	98
14) Allyl chloride	2.678	41	114703	17.019	ug/l	93
15) Acrylonitrile	3.081	53	166953	94.719	ug/l	100
16) Acetone	2.386	43	137916	93.153	ug/l	95
17) Carbon Disulfide	2.526	76	186148	17.258	ug/l	99
18) Methyl Acetate	2.709	43	81309	20.666	ug/l	99
19) Methyl tert-butyl Ether	3.123	73	222220	19.583	ug/l	99
20) Methylene Chloride	2.800	84	74799	18.364	ug/l	98
21) trans-1,2-Dichloroethene	3.105	96	69035	18.094	ug/l	97
22) Diisopropyl ether	3.770	45	254694	19.655	ug/l	93
23) Vinyl Acetate	3.733	43	1015540	97.713	ug/l	99
24) 1,1-Dichloroethane	3.623	63	133966	18.592	ug/l	99
25) 2-Butanone	4.562	43	198284	91.977	ug/l	95
26) 2,2-Dichloropropane	4.489	77	104393	18.716	ug/l	98
27) cis-1,2-Dichloroethene	4.501	96	83823	18.553	ug/l	99
28) Bromochloromethane	4.904	49	75119	22.660	ug/l	99
29) Tetrahydrofuran	5.019	42	128344	92.271	ug/l	99
30) Chloroform	5.105	83	134714	18.366	ug/l	99
31) Cyclohexane	5.477	56	128106	18.542	ug/l	100
32) 1,1,1-Trichloroethane	5.391	97	118551	18.608	ug/l	99
36) 1,1-Dichloropropene	5.702	75	92937	17.660	ug/l	100
37) Ethyl Acetate	4.721	43	96160	19.830	ug/l	97
38) Carbon Tetrachloride	5.684	117	104598	18.623	ug/l	99
39) Methylcyclohexane	7.385	83	120883	18.398	ug/l	97
40) Benzene	6.044	78	283209	18.596	ug/l	100

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 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
 Quant Title : SW846 8260
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	46407	18.303	ug/l #	91
42) 1,2-Dichloroethane	6.092	62	103378	19.270	ug/l	99
43) Isopropyl Acetate	6.342	43	149936	19.834	ug/l	100
44) Trichloroethene	7.129	130	71346	18.269	ug/l	99
45) 1,2-Dichloropropane	7.434	63	72137	18.912	ug/l	92
46) Dibromomethane	7.586	93	51814	19.371	ug/l	99
47) Bromodichloromethane	7.824	83	110712	19.446	ug/l	99
48) Methyl methacrylate	7.696	41	77478	18.813	ug/l	100
49) 1,4-Dioxane	7.720	88	18872	402.907	ug/l	96
51) 4-Methyl-2-Pentanone	8.574	43	438417	97.570	ug/l	98
52) Toluene	8.720	92	179571	19.176	ug/l	99
53) t-1,3-Dichloropropene	8.976	75	104193	19.380	ug/l	96
54) cis-1,3-Dichloropropene	8.366	75	113664	19.316	ug/l	99
55) 1,1,2-Trichloroethane	9.153	97	69343	19.745	ug/l	97
56) Ethyl methacrylate	9.116	69	104067	20.017	ug/l	100
57) 1,3-Dichloropropane	9.311	76	117508	19.253	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.238	63	249437	86.218	ug/l	99
59) 2-Hexanone	9.427	43	300229	101.132	ug/l	100
60) Dibromochloromethane	9.519	129	83108	20.178	ug/l	99
61) 1,2-Dibromoethane	9.610	107	70359	19.160	ug/l	99
64) Tetrachloroethene	9.275	164	57377	17.574	ug/l	94
65) Chlorobenzene	10.079	112	197257	18.592	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.159	131	68140	19.076	ug/l	98
67) Ethyl Benzene	10.189	91	345780	18.640	ug/l	98
68) m/p-Xylenes	10.299	106	260560	37.534	ug/l	99
69) o-Xylene	10.640	106	126089	19.093	ug/l	100
70) Styrene	10.652	104	214649	18.955	ug/l	99
71) Bromoform	10.799	173	53971	19.891	ug/l #	100
73) Isopropylbenzene	10.957	105	333037	18.919	ug/l	100
74) N-amyl acetate	10.841	43	131941	18.576	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.207	83	97190	19.328	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	78631m	19.039	ug/l	
77) Bromobenzene	11.195	156	79168	18.750	ug/l	99
78) n-propylbenzene	11.299	91	396034	18.826	ug/l	99
79) 2-Chlorotoluene	11.360	91	231316	18.395	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	276459	19.009	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	21183	13.214	ug/l	95
82) 4-Chlorotoluene	11.451	91	278273	18.959	ug/l	100
83) tert-Butylbenzene	11.713	119	280382	19.208	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	278783	19.219	ug/l	99
85) sec-Butylbenzene	11.890	105	349178	19.145	ug/l	99
86) p-Isopropyltoluene	12.006	119	290764	19.225	ug/l	100
87) 1,3-Dichlorobenzene	11.969	146	151487	18.882	ug/l	99
88) 1,4-Dichlorobenzene	12.036	146	151486	18.637	ug/l	98
89) n-Butylbenzene	12.329	91	274703	19.367	ug/l	99
90) Hexachloroethane	12.536	117	52669	19.466	ug/l	97
91) 1,2-Dichlorobenzene	12.329	146	142943	18.642	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	19656	20.364	ug/l	96
93) 1,2,4-Trichlorobenzene	13.585	180	97227	19.192	ug/l	100
94) Hexachlorobutadiene	13.719	225	36745	21.327	ug/l	98
95) Naphthalene	13.774	128	293199	19.742	ug/l	100
96) 1,2,3-Trichlorobenzene	13.957	180	92962	19.047	ug/l	100

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

