

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071625\
 Data File : VX047023.D
 Acq On : 16 Jul 2025 12:38
 Operator : JC/MD
 Sample : VX0716WBSD01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0716WBSD01

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025
 Supervised By :Semsettin Yesilyurt 07/17/2025

Quant Time: Jul 17 03:31:31 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	310963	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	532754	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	475577	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	244320	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	227592	55.400	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 110.800%			
35) Dibromofluoromethane	5.397	113	181433	50.170	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 100.340%			
50) Toluene-d8	8.647	98	612865	48.033	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 96.060%			
62) 4-Bromofluorobenzene	11.079	95	252192	52.006	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 104.020%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.185	85	49096	16.509	ug/l	98
3) Chloromethane	1.307	50	51956	15.990	ug/l	98
4) Vinyl Chloride	1.386	62	60017	16.962	ug/l	97
5) Bromomethane	1.624	94	38769	17.053	ug/l	93
6) Chloroethane	1.703	64	41048	17.569	ug/l	97
7) Trichlorofluoromethane	1.904	101	99111	18.116	ug/l	99
8) Diethyl Ether	2.148	74	39664	20.372	ug/l	96
9) 1,1,2-Trichlorotrifluo...	2.343	101	62681	17.980	ug/l	97
10) Methyl Iodide	2.465	142	60656	15.970	ug/l	97
11) Tert butyl alcohol	2.959	59	48602	180.387	ug/l	100
12) 1,1-Dichloroethene	2.337	96	60368	17.903	ug/l	95
13) Acrolein	2.246	56	30221	103.190	ug/l	98
14) Allyl chloride	2.678	41	119071	19.834	ug/l	99
15) Acrylonitrile	3.075	53	201172	129.142	ug/l	99
16) Acetone	2.386	43	156920	122.971	ug/l	99
17) Carbon Disulfide	2.526	76	121351	13.723	ug/l	99
18) Methyl Acetate	2.715	43	111328	33.100	ug/l	98
19) Methyl tert-butyl Ether	3.123	73	228526	23.999	ug/l	100
20) Methylene Chloride	2.800	84	73061	19.362	ug/l	98
21) trans-1,2-Dichloroethene	3.105	96	63740	18.473	ug/l	99
22) Diisopropyl ether	3.770	45	261236	22.524	ug/l	89
23) Vinyl Acetate	3.733	43	986860	113.574	ug/l	98
24) 1,1-Dichloroethane	3.623	63	131590	19.894	ug/l	99
25) 2-Butanone	4.562	43	248450	145.931	ug/l	98
26) 2,2-Dichloropropane	4.483	77	95586	19.417	ug/l	99
27) cis-1,2-Dichloroethene	4.501	96	82717	19.635	ug/l	97
28) Bromochloromethane	4.910	49	61014	18.690	ug/l	95
29) Tetrahydrofuran	5.013	42	160467	147.857	ug/l	98
30) Chloroform	5.105	83	139773	20.683	ug/l	97
31) Cyclohexane	5.477	56	108129	18.414	ug/l	98
32) 1,1,1-Trichloroethane	5.391	97	114572	20.293	ug/l	100
36) 1,1-Dichloropropene	5.702	75	87804	17.995	ug/l	98
37) Ethyl Acetate	4.727	43	86680	20.858	ug/l #	94
38) Carbon Tetrachloride	5.690	117	94394	18.299	ug/l	94
39) Methylcyclohexane	7.385	83	105608	17.303	ug/l	97
40) Benzene	6.050	78	273717	18.547	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.928	41	56984	25.705	ug/l	99
42) 1,2-Dichloroethane	6.099	62	104433	20.839	ug/l	98
43) Isopropyl Acetate	6.349	43	165597	26.016	ug/l	98
44) Trichloroethene	7.135	130	67259	17.508	ug/l	93
45) 1,2-Dichloropropane	7.434	63	71486	19.172	ug/l	100
46) Dibromomethane	7.586	93	51551	19.955	ug/l	99
47) Bromodichloromethane	7.824	83	108144	19.605	ug/l	99
48) Methyl methacrylate	7.696	41	83994	25.556	ug/l	97
49) 1,4-Dioxane	7.665	88	23431	615.261	ug/l	99
51) 4-Methyl-2-Pentanone	8.574	43	527811	140.501	ug/l	100
52) Toluene	8.720	92	171783	18.784	ug/l	99
53) t-1,3-Dichloropropene	8.982	75	100411	20.396	ug/l	96
54) cis-1,3-Dichloropropene	8.366	75	112850	20.083	ug/l	98
55) 1,1,2-Trichloroethane	9.153	97	73572	21.599	ug/l	98
56) Ethyl methacrylate	9.116	69	112484	23.859	ug/l	97
57) 1,3-Dichloropropane	9.305	76	124079	21.154	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.245	63	285718	107.557	ug/l	100
59) 2-Hexanone	9.427	43	369099	148.127	ug/l	98
60) Dibromochloromethane	9.519	129	80917	19.850	ug/l	99
61) 1,2-Dibromoethane	9.610	107	72872	21.301	ug/l	100
64) Tetrachloroethene	9.275	164	55710	17.594	ug/l	96
65) Chlorobenzene	10.080	112	198911	19.345	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.159	131	68775	19.897	ug/l	99
67) Ethyl Benzene	10.195	91	342761	19.466	ug/l	100
68) m/p-Xylenes	10.299	106	254016	38.283	ug/l	98
69) o-Xylene	10.640	106	127197	19.845	ug/l	100
70) Styrene	10.653	104	222974	20.334	ug/l	98
71) Bromoform	10.799	173	53972	21.000	ug/l #	99
73) Isopropylbenzene	10.964	105	336818	19.611	ug/l	100
74) N-amyl acetate	10.842	43	145799	24.982	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.207	83	112051	23.726	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	89508m	23.710	ug/l	
77) Bromobenzene	11.195	156	81849	19.132	ug/l	96
78) n-propylbenzene	11.305	91	403821	19.499	ug/l	99
79) 2-Chlorotoluene	11.360	91	240448	19.663	ug/l	98
80) 1,3,5-Trimethylbenzene	11.451	105	276062	19.782	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	30184	21.456	ug/l	94
82) 4-Chlorotoluene	11.451	91	280292	19.863	ug/l	99
83) tert-Butylbenzene	11.713	119	285261	19.791	ug/l	97
84) 1,2,4-Trimethylbenzene	11.750	105	284011	20.135	ug/l	96
85) sec-Butylbenzene	11.890	105	359225	19.767	ug/l	100
86) p-Isopropyltoluene	12.006	119	299629	19.689	ug/l	98
87) 1,3-Dichlorobenzene	11.969	146	155459	19.430	ug/l	98
88) 1,4-Dichlorobenzene	12.037	146	154431	18.546	ug/l	96
89) n-Butylbenzene	12.329	91	277265	19.390	ug/l	99
90) Hexachloroethane	12.536	117	47758	17.702	ug/l	98
91) 1,2-Dichlorobenzene	12.335	146	151809	19.580	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	20906	25.310	ug/l	93
93) 1,2,4-Trichlorobenzene	13.585	180	105819	20.090	ug/l	97
94) Hexachlorobutadiene	13.725	225	37519	18.888	ug/l	99
95) Naphthalene	13.774	128	329691	23.754	ug/l	99
96) 1,2,3-Trichlorobenzene	13.957	180	99385	19.969	ug/l	97

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

