

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071825\
 Data File : VX047042.D
 Acq On : 18 Jul 2025 12:05
 Operator : JC/MD
 Sample : VX0718WBSD01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0718WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 07/21/2025
 Supervised By : Mahesh Dadoda 07/21/2025

Quant Time: Jul 19 04:21:54 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	358348	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	607255	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	545202	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	267414	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	268132	56.638	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 113.280%			
35) Dibromofluoromethane	5.397	113	210038	50.955	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.900%			
50) Toluene-d8	8.647	98	752616	51.749	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 103.500%			
62) 4-Bromofluorobenzene	11.079	95	293156	53.037	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 106.080%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.185	85	62811	18.328	ug/l	98
3) Chloromethane	1.307	50	62975	16.819	ug/l	99
4) Vinyl Chloride	1.386	62	69571	17.062	ug/l	99
5) Bromomethane	1.624	94	44749	17.080	ug/l	100
6) Chloroethane	1.703	64	46094	17.120	ug/l	95
7) Trichlorofluoromethane	1.904	101	115406	18.305	ug/l	98
8) Diethyl Ether	2.148	74	46350	20.658	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.349	101	75600	18.818	ug/l	98
10) Methyl Iodide	2.465	142	69764	15.939	ug/l	97
11) Tert butyl alcohol	2.959	59	47026	151.458	ug/l	100
12) 1,1-Dichloroethene	2.337	96	68665	17.671	ug/l	98
13) Acrolein	2.252	56	9653	30.651	ug/l	99
14) Allyl chloride	2.678	41	134434	19.432	ug/l	99
15) Acrylonitrile	3.075	53	210275	117.136	ug/l	99
16) Acetone	2.386	43	166685	113.351	ug/l	95
17) Carbon Disulfide	2.532	76	145330	14.261	ug/l	99
18) Methyl Acetate	2.715	43	128274	33.095	ug/l	98
19) Methyl tert-butyl Ether	3.123	73	253949	23.143	ug/l	97
20) Methylene Chloride	2.806	84	84386	19.406	ug/l	95
21) trans-1,2-Dichloroethene	3.111	96	72781	18.304	ug/l	98
22) Diisopropyl ether	3.770	45	290787	21.756	ug/l	93
23) Vinyl Acetate	3.733	43	1079085	107.766	ug/l	98
24) 1,1-Dichloroethane	3.623	63	150600	19.757	ug/l	100
25) 2-Butanone	4.562	43	259871	132.456	ug/l	100
26) 2,2-Dichloropropane	4.489	77	115103	20.290	ug/l	100
27) cis-1,2-Dichloroethene	4.507	96	95073	19.584	ug/l	97
28) Bromochloromethane	4.910	49	81776	21.738	ug/l	94
29) Tetrahydrofuran	5.013	42	163520	130.746	ug/l	99
30) Chloroform	5.111	83	157652	20.244	ug/l	99
31) Cyclohexane	5.483	56	127626	18.860	ug/l	98
32) 1,1,1-Trichloroethane	5.397	97	130607	20.074	ug/l	97
36) 1,1-Dichloropropene	5.702	75	103500	18.610	ug/l	99
37) Ethyl Acetate	4.721	43	101796	21.490	ug/l	99
38) Carbon Tetrachloride	5.690	117	113719	19.341	ug/l	97
39) Methylcyclohexane	7.385	83	124710	17.926	ug/l	98
40) Benzene	6.050	78	314185	18.677	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071825\
 Data File : VX047042.D
 Acq On : 18 Jul 2025 12:05
 Operator : JC/MD
 Sample : VX0718WBSD01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0718WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 07/21/2025
 Supervised By : Mahesh Dadoda 07/21/2025

Quant Time: Jul 19 04:21:54 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)
41) Methacrylonitrile	4.928	41	60409	23.907	ug/l	97
42) 1,2-Dichloroethane	6.092	62	119283	20.882	ug/l	99
43) Isopropyl Acetate	6.348	43	175594	24.202	ug/l	99
44) Trichloroethene	7.135	130	78931	18.025	ug/l	97
45) 1,2-Dichloropropane	7.434	63	83572	19.664	ug/l	99
46) Dibromomethane	7.586	93	58605	19.902	ug/l	99
47) Bromodichloromethane	7.824	83	126801	20.167	ug/l	99
48) Methyl methacrylate	7.696	41	92253	24.625	ug/l	97
49) 1,4-Dioxane	7.665	88	22735	523.744	ug/l	95
51) 4-Methyl-2-Pentanone	8.574	43	557928	130.297	ug/l	99
52) Toluene	8.720	92	205129	19.678	ug/l	97
53) t-1,3-Dichloropropene	8.982	75	117743	20.983	ug/l	99
54) cis-1,3-Dichloropropene	8.366	75	131026	20.457	ug/l	97
55) 1,1,2-Trichloroethane	9.153	97	81155	20.902	ug/l	98
56) Ethyl methacrylate	9.116	69	125243	23.306	ug/l	96
57) 1,3-Dichloropropane	9.305	76	139098	20.806	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.244	63	314906	104.001	ug/l	99
59) 2-Hexanone	9.427	43	387141	136.306	ug/l	98
60) Dibromochloromethane	9.519	129	92188	19.840	ug/l	99
61) 1,2-Dibromoethane	9.610	107	82059	21.044	ug/l	99
64) Tetrachloroethene	9.275	164	66071	18.202	ug/l	99
65) Chlorobenzene	10.079	112	227706	19.318	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.159	131	78300	19.760	ug/l	99
67) Ethyl Benzene	10.195	91	399617	19.796	ug/l	100
68) m/p-Xylenes	10.299	106	299307	39.348	ug/l	97
69) o-Xylene	10.640	106	147127	20.024	ug/l	100
70) Styrene	10.653	104	254176	20.219	ug/l	98
71) Bromoform	10.799	173	59828	20.306	ug/l #	97
73) Isopropylbenzene	10.957	105	391472	20.825	ug/l	100
74) N-amyl acetate	10.842	43	157059	24.587	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.207	83	119188	23.058	ug/l	100
76) 1,2,3-Trichloropropane	11.238	75	98072m	23.735	ug/l	
77) Bromobenzene	11.195	156	94509	20.184	ug/l	97
78) n-propylbenzene	11.299	91	463634	20.454	ug/l	100
79) 2-Chlorotoluene	11.360	91	275103	20.554	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	324142	21.221	ug/l	98
81) trans-1,4-Dichloro-2-b...	11.018	75	34746	22.566	ug/l	95
82) 4-Chlorotoluene	11.451	91	328366	21.260	ug/l	98
83) tert-Butylbenzene	11.713	119	321134	20.356	ug/l	97
84) 1,2,4-Trimethylbenzene	11.750	105	328511	21.278	ug/l	96
85) sec-Butylbenzene	11.890	105	411981	20.712	ug/l	100
86) p-Isopropyltoluene	12.006	119	348391	20.916	ug/l	98
87) 1,3-Dichlorobenzene	11.969	146	179609	20.510	ug/l	98
88) 1,4-Dichlorobenzene	12.036	146	182155	19.986	ug/l	98
89) n-Butylbenzene	12.329	91	326305	20.849	ug/l	99
90) Hexachloroethane	12.536	117	58759	19.899	ug/l	93
91) 1,2-Dichlorobenzene	12.335	146	172315	20.305	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	22812	25.232	ug/l	95
93) 1,2,4-Trichlorobenzene	13.585	180	115962	20.114	ug/l	99
94) Hexachlorobutadiene	13.719	225	43817	20.153	ug/l	99
95) Naphthalene	13.774	128	355267	23.386	ug/l	100
96) 1,2,3-Trichlorobenzene	13.957	180	112922	20.730	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071825\
Data File : VX047042.D
Acq On : 18 Jul 2025 12:05
Operator : JC/MD
Sample : VX0718WBSD01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0718WBSD01

Manual Integrations
APPROVED

Reviewed By : John Carlone 07/21/2025
Supervised By : Mahesh Dadoda 07/21/2025

Quant Time: Jul 19 04:21:54 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)
----------	------	------	----------	------	-------	----------

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

Manual Integrations

Quant Time: Jul 19 04:21:54 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

