

Data Path : Z:\voasrv\HPCHEM1\MSVOA_R\Data\VR082525\
 Data File : VR026761.D
 Acq On : 25 Aug 2025 14:54
 Operator : SY/MD
 Sample : VR0825WBSD01
 Misc : 5mL/MSVOA_R/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_R
 ClientSampleId :
 VR0825WBSD01

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 08/26/2025
 Supervised By :Semsettin Yesilyurt 08/26/2025

Quant Time: Aug 25 23:03:08 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_R\methods\82R082025W.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 21 08:59:04 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.398	168	1605080	50.000	ug/l	0.01
33) 1,4-Difluorobenzene	8.402	114	2653675	50.000	ug/l	0.01
62) Chlorobenzene-d5	11.576	117	2070173m	50.000	ug/l	0.01
71) 1,4-Dichlorobenzene-d4	13.770	152	670119m	50.000	ug/l	0.01

System Monitoring Compounds						
32) 1,2-Dichloroethane-d4	7.779	65	996107	49.418	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	98.840%
34) Dibromofluoromethane	7.308	113	835762	48.289	ug/l	0.02
Spiked Amount	50.000	Range	75 - 124	Recovery	=	96.580%
49) Toluene-d8	10.083	98	3024053m	52.119	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	104.240%
61) 4-Bromofluorobenzene	12.702	95	810603m	49.238	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	98.480%

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.827	85	310625	20.480	ug/l	98
3) Chloromethane	1.827	50	35795	19.835	ug/l #	95
4) Vinyl Chloride	2.129	62	512339	20.529	ug/l	95
5) Bromomethane	2.456	94	218308	28.492	ug/l	97
6) Chloroethane	2.591	64	308275	20.063	ug/l	98
7) Trichlorofluoromethane	2.876	101	1015238	20.985	ug/l	99
8) Diethyl Ether	3.248	74	320574	20.714	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.553	101	392642	20.311	ug/l	100
10) Methyl Iodide	3.723	142	419789	20.432	ug/l	98
11) Tert butyl alcohol	4.503	59	293452	94.700	ug/l #	88
12) 1,1-Dichloroethene	3.534	96	416900	19.872	ug/l	96
13) Acrolein	3.422	56	138214	68.929	ug/l	99
14) Allyl chloride	4.063	41	779088	20.152	ug/l	99
15) Acrylonitrile	4.667	53	1362575	102.813	ug/l	98
16) Acetone	3.617	43	949990	89.037	ug/l	98
17) Carbon Disulfide	3.820	76	999927	19.626	ug/l	100
18) Methyl Acetate	4.073	43	666513	21.444	ug/l	97
19) Methyl tert-butyl Ether	4.731	73	1430460	21.498	ug/l	98
20) Methylene Chloride	4.269	84	476983	20.958	ug/l	97
21) trans-1,2-Dichloroethene	4.718	96	443132	20.202	ug/l	97
22) Diisopropyl ether	5.626	45	1738633	21.859	ug/l	98
23) Vinyl Acetate	5.556	43	6755853	114.423	ug/l #	74
24) 1,1-Dichloroethane	5.504	63	805476	20.579	ug/l	100
25) 2-Butanone	6.509	43	1635631	98.734	ug/l	92
26) 2,2-Dichloropropane	6.489	77	488445	18.216	ug/l	98
27) cis-1,2-Dichloroethene	6.489	96	510398	20.559	ug/l	99
28) Bromochloromethane	6.874	49	205533	17.743	ug/l	100
29) Chloroform	7.070	83	731315	20.796	ug/l	98
30) Cyclohexane	7.385	56	813226	19.702	ug/l	98
31) 1,1,1-Trichloroethane	7.292	97	579677	20.300	ug/l	98
35) 1,1-Dichloropropene	7.532	75	518644	19.242	ug/l	100
36) Ethyl Acetate	6.611	43	668148	19.377	ug/l	97
37) Carbon Tetrachloride	7.510	117	453741	18.707	ug/l	98
38) Methylcyclohexane	8.954	83	661606m	19.616	ug/l	
39) Benzene	7.799	78	1799334	21.746	ug/l	90
40) Methacrylonitrile	6.855	41	352201	19.584	ug/l	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_R\Data\VR082525\
 Data File : VR026761.D
 Acq On : 25 Aug 2025 14:54
 Operator : SY/MD
 Sample : VR0825WBSD01
 Misc : 5mL/MSVOA_R/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_R
 ClientSampleId :
 VR0825WBSD01

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 08/26/2025
 Supervised By :Semsettin Yesilyurt 08/26/2025

Quant Time: Aug 25 23:03:08 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_R\methods\82R082025W.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 21 08:59:04 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) 1,2-Dichloroethane	7.885	62	465827	20.304	ug/l	100
42) Isopropyl Acetate	7.953	43	1019155	20.848	ug/l	98
43) Trichloroethene	8.675	130	343698m	19.039	ug/l	
44) 1,2-Dichloropropane	8.986	63	399753m	20.180	ug/l	
45) Dibromomethane	9.085	93	245354m	19.498	ug/l	
46) Bromodichloromethane	9.304	83	471544m	20.131	ug/l	
47) Methyl methacrylate	9.089	41	491754m	20.610	ug/l	
48) 1,4-Dioxane	9.089	88	124244m	405.348	ug/l	
50) 4-Methyl-2-Pentanone	9.968	43	2939661m	107.459	ug/l	
51) Toluene	10.157	92	976776m	20.673	ug/l	
52) t-1,3-Dichloropropene	10.411	75	445423m	20.078	ug/l	
53) cis-1,3-Dichloropropene	9.798	75	534172m	19.847	ug/l	
54) 1,1,2-Trichloroethane	10.613	97	338950m	20.210	ug/l	
55) Ethyl methacrylate	10.472	69	586507m	20.331	ug/l	
56) 1,3-Dichloropropane	10.777	76	570797m	20.192	ug/l	
57) 2-Chloroethyl Vinyl ether	9.641	63	104163m	82.163	ug/l	
58) 2-Hexanone	10.834	43	1797310m	108.804	ug/l	
59) Dibromochloromethane	10.998	129	315070m	19.973	ug/l	
60) 1,2-Dibromoethane	11.110	107	301496m	19.891	ug/l	
63) Tetrachloroethene	10.696	164	284955m	19.591	ug/l	
64) Chlorobenzene	11.604	112	978374m	21.238	ug/l	
65) 1,1,1,2-Tetrachloroethane	11.688	131	301532m	19.495	ug/l	
66) Ethyl Benzene	11.694	91	1747835m	22.692	ug/l	
67) m/p-Xylenes	11.816	106	1363069m	42.291	ug/l	
68) o-Xylene	12.192	106	657692m	20.138	ug/l	
69) Styrene	12.208	104	1021261m	21.250	ug/l	
70) Bromoform	12.391	173	172158m	20.642	ug/l	
72) Isopropylbenzene	12.532	105	1602761m	22.034	ug/l	
73) N-amyl acetate	12.330	43	506002m	19.268	ug/l	
74) 1,1,2,2-Tetrachloroethane	12.814	83	421965m	20.265	ug/l	
75) 1,2,3-Trichloropropane	12.872	75	344556m	20.858	ug/l	
76) Bromobenzene	12.846	156	316179m	19.858	ug/l	
77) n-propylbenzene	12.920	91	1748549m	22.422	ug/l	
78) 2-Chlorotoluene	13.013	91	949437m	20.616	ug/l	
79) 1,3,5-Trimethylbenzene	13.081	105	1169567m	21.531	ug/l	
80) trans-1,4-Dichloro-2-b...	12.586	75	101328m	18.913	ug/l	
81) 4-Chlorotoluene	13.125	91	855341m	20.270	ug/l	
82) tert-Butylbenzene	13.376	119	1081050m	21.288	ug/l	
83) 1,2,4-Trimethylbenzene	13.427	105	1045124m	21.101	ug/l	
84) sec-Butylbenzene	13.578	105	1425599m	21.825	ug/l	
85) p-Isopropyltoluene	13.709	119	1092211m	21.518	ug/l	
86) 1,3-Dichlorobenzene	13.703	146	466534m	19.730	ug/l	
87) 1,4-Dichlorobenzene	13.793	146	469470m	20.608	ug/l	
88) n-Butylbenzene	14.075	91	733797m	20.234	ug/l	
89) Hexachloroethane	14.380	117	174503m	21.196	ug/l	
90) 1,2-Dichlorobenzene	14.120	146	394751m	19.879	ug/l	
91) 1,2-Dibromo-3-Chloropr...	14.817	75	39616m	22.782	ug/l	
92) 1,2,4-Trichlorobenzene	15.583	180	260303m	19.951	ug/l	
93) Hexachlorobutadiene	15.712	225	82795m	19.253	ug/l	
94) Naphthalene	15.869	128	765179m	20.511	ug/l	
95) 1,2,3-Trichlorobenzene	16.094	180	249990m	19.747	ug/l	

Data Path : Z:\voasrv\HPCHEM1\MSVOA_R\Data\VR082525\
Data File : VR026761.D
Acq On : 25 Aug 2025 14:54
Operator : SY/MD
Sample : VR0825WBSD01
Misc : 5mL/MSVOA_R/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_R
ClientSampleId :
VR0825WBSD01

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 08/26/2025
Supervised By :Semsettin Yesilyurt 08/26/2025

Quant Time: Aug 25 23:03:08 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_R\methods\82R082025W.M
Quant Title : SW846 8260
QLast Update : Thu Aug 21 08:59:04 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

Reviewed By :Mahesh Dadoda 08/26/2025
Supervised By :Semsettin Yesilyurt 08/26/2025

Quant Time: Aug 25 23:03:08 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_R\methods\82R082025W.M
Quant Title : SW846 8260
QLast Update : Thu Aug 21 08:59:04 2025
Response via : Initial Calibration

