

Data Path : Z:\voasrv\HPCHEM1\MSVOA_R\Data\VR102225\
 Data File : VR026784.D
 Acq On : 22 Oct 2025 14:18
 Operator : SY/MD
 Sample : VSTDIC020
 Misc : 5mL/MSVOA_R/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_R
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

Reviewed By : John Carlone 10/24/2025
 Supervised By : Mahesh Dadoda 10/27/2025

Quant Time: Oct 24 09:17:31 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_R\methods\82R102225W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 24 09:15:18 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.819	168	887082	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.795	114	1615850	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.944	117	1544601	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.147	152	966271	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.201	65	127403	18.407	ug/l	0.00
Spiked Amount 50.000			Recovery	=	36.820%	
35) Dibromofluoromethane	7.743	113	129138	19.442	ug/l	0.00
Spiked Amount 50.000			Recovery	=	38.880%	
50) Toluene-d8	10.458	98	346455	18.697	ug/l	0.00
Spiked Amount 50.000			Recovery	=	37.400%	
62) 4-Bromofluorobenzene	13.072	95	227028	18.607	ug/l	0.00
Spiked Amount 50.000			Recovery	=	37.220%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.003	85	123755	18.641	ug/l	99
3) Chloromethane	2.214	50	168778	20.197	ug/l	95
4) Vinyl Chloride	2.338	62	197489	19.643	ug/l	97
5) Bromomethane	2.696	94	126697	19.690	ug/l	94
6) Chloroethane	2.855	64	147203	20.380	ug/l	91
7) Trichlorofluoromethane	3.184	101	267774	19.582	ug/l	99
8) Diethyl Ether	3.589	74	123928	18.717	ug/l	91
9) 1,1,2-Trichlorotrifluo...	3.936	101	161400	18.728	ug/l	96
10) Methyl Iodide	4.124	142	194643	19.774	ug/l	99
11) Tert butyl alcohol	4.987	59	303200	89.227	ug/l	99
12) 1,1-Dichloroethene	3.918	96	158254	18.416	ug/l #	81
13) Acrolein	3.783	56	196109	87.330	ug/l	96
14) Allyl chloride	4.506	41	361771	20.125	ug/l	99
15) Acrylonitrile	5.170	53	742836	98.950	ug/l	98
16) Acetone	4.000	43	777819	91.253	ug/l	99
17) Carbon Disulfide	4.235	76	302894	19.386	ug/l	97
18) Methyl Acetate	4.512	43	503114	21.117	ug/l	99
19) Methyl tert-butyl Ether	5.240	73	709295	19.405	ug/l	92
20) Methylene Chloride	4.735	84	208202	19.340	ug/l #	93
21) trans-1,2-Dichloroethene	5.228	96	167195	19.129	ug/l	95
22) Diisopropyl ether	6.127	45	754103	19.623	ug/l	97
23) Vinyl Acetate	6.051	43	2543014	100.515	ug/l	98
24) 1,1-Dichloroethane	6.004	63	381334	19.502	ug/l	98
25) 2-Butanone	6.991	43	1118100	91.869	ug/l	98
26) 2,2-Dichloropropane	6.985	77	317960	19.033	ug/l	97
27) cis-1,2-Dichloroethene	6.985	96	242521	19.857	ug/l	95
28) Bromochloromethane	7.344	49	196289	22.217	ug/l	97
29) Tetrahydrofuran	7.379	42	665652	99.092	ug/l	99
30) Chloroform	7.520	83	381199	20.130	ug/l	98
31) Cyclohexane	7.831	56	307304	18.794	ug/l	99
32) 1,1,1-Trichloroethane	7.737	97	301660	19.250	ug/l	95
36) 1,1-Dichloropropene	7.966	75	249685	19.570	ug/l	98
37) Ethyl Acetate	7.091	43	365593	19.559	ug/l	99
38) Carbon Tetrachloride	7.955	117	236043	19.839	ug/l	95
39) Methylcyclohexane	9.347	83	308393	19.221	ug/l	96
40) Benzene	8.225	78	866585	20.276	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_R\Data\VR102225\
 Data File : VR026784.D
 Acq On : 22 Oct 2025 14:18
 Operator : SY/MD
 Sample : VSTDIC020
 Misc : 5mL/MSVOA_R/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_R
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

Reviewed By : John Carlone 10/24/2025
 Supervised By : Mahesh Dadoda 10/27/2025

Quant Time: Oct 24 09:17:31 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_R\methods\82R102225W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 24 09:15:18 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.320	41	198777	18.042	ug/l #	89
42) 1,2-Dichloroethane	8.301	62	282687	20.187	ug/l	100
43) Isopropyl Acetate	8.342	43	627506	20.048	ug/l	99
44) Trichloroethene	9.071	130	195669	19.183	ug/l	91
45) 1,2-Dichloropropane	9.371	63	219113	19.632	ug/l #	80
46) Dibromomethane	9.471	93	147618	19.928	ug/l	97
47) Bromodichloromethane	9.676	83	315204	20.453	ug/l #	88
48) Methyl methacrylate	9.459	41	294992	20.057	ug/l	98
49) 1,4-Dioxane	9.465	88	121326	374.847	ug/l	100
51) 4-Methyl-2-Pentanone	10.328	43	2076760	101.193	ug/l	95
52) Toluene	10.528	92	572714	19.891	ug/l	97
53) t-1,3-Dichloropropene	10.769	75	338388	19.243	ug/l	93
54) cis-1,3-Dichloropropene	10.164	75	353996	19.350	ug/l	92
55) 1,1,2-Trichloroethane	10.975	97	224575	19.307	ug/l #	92
56) Ethyl methacrylate	10.822	69	403140	18.720	ug/l	98
57) 1,3-Dichloropropane	11.139	76	384435	19.705	ug/l	94
58) 2-Chloroethyl Vinyl ether	9.999	63	81427	92.417	ug/l	98
59) 2-Hexanone	11.186	43	1677678	93.478	ug/l	99
60) Dibromochloromethane	11.362	129	234255	19.698	ug/l	95
61) 1,2-Dibromoethane	11.486	107	226908	19.610	ug/l	100
64) Tetrachloroethene	11.063	164	157630	19.432	ug/l	91
65) Chlorobenzene	11.974	112	671404	19.535	ug/l	93
66) 1,1,1,2-Tetrachloroethane	12.050	131	202807	19.135	ug/l	97
67) Ethyl Benzene	12.062	91	1114615	19.378	ug/l	95
68) m/p-Xylenes	12.185	106	861994	38.184	ug/l	95
69) o-Xylene	12.555	106	438473	19.383	ug/l	94
70) Styrene	12.573	104	787103	19.019	ug/l	97
71) Bromoform	12.755	173	164552	18.807	ug/l #	97
73) Isopropylbenzene	12.902	105	1135303	20.112	ug/l	100
74) N-amyl acetate	12.679	43	597601	18.990	ug/l	99
75) 1,1,2,2-Tetrachloroethane	13.184	83	396441	18.988	ug/l	98
76) 1,2,3-Trichloropropane	13.231	75	344353m	19.670	ug/l	
77) Bromobenzene	13.225	156	272919	19.802	ug/l	94
78) n-propylbenzene	13.290	91	1412876	20.281	ug/l	100
79) 2-Chlorotoluene	13.390	91	818462	19.686	ug/l	100
80) 1,3,5-Trimethylbenzene	13.442	105	985033	19.880	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.949	75	150250	20.056	ug/l	93
82) 4-Chlorotoluene	13.495	91	867589	19.880	ug/l	98
83) tert-Butylbenzene	13.748	119	911590	19.391	ug/l	97
84) 1,2,4-Trimethylbenzene	13.795	105	1058809	19.681	ug/l	99
85) sec-Butylbenzene	13.948	105	1381134	20.393	ug/l	99
86) p-Isopropyltoluene	14.077	119	1177348	20.038	ug/l	98
87) 1,3-Dichlorobenzene	14.083	146	619829	19.771	ug/l	99
88) 1,4-Dichlorobenzene	14.171	146	636427	19.558	ug/l	99
89) n-Butylbenzene	14.447	91	1140675	19.841	ug/l	99
90) Hexachloroethane	14.764	117	180516	18.977	ug/l	96
91) 1,2-Dichlorobenzene	14.506	146	616497	19.184	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	15.217	75	91104	18.979	ug/l	96
93) 1,2,4-Trichlorobenzene	16.028	180	416934	20.467	ug/l	96
94) Hexachlorobutadiene	16.157	225	137730	19.024	ug/l	97
95) Naphthalene	16.339	128	1322437	20.701	ug/l	99
96) 1,2,3-Trichlorobenzene	16.580	180	404349	20.150	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_R\Data\VR102225\
Data File : VR026784.D
Acq On : 22 Oct 2025 14:18
Operator : SY/MD
Sample : VSTDICC020
Misc : 5mL/MSVOA_R/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_R
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/27/2025

Quant Time: Oct 24 09:17:31 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_R\methods\82R102225W.M
Quant Title : SW846 8260
QLast Update : Fri Oct 24 09:15:18 2025
Response via : Initial Calibration

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_R\Data\VR102225\
Data File : VR026784.D
Acq On : 22 Oct 2025 14:18
Operator : SY/MD
Sample : VSTDICC020
Misc : 5mL/MSVOA_R/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_R
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/27/2025

Quant Time: Oct 24 09:17:31 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_R\methods\82R102225W.M
Quant Title : SW846 8260
QLast Update : Fri Oct 24 09:15:18 2025
Response via : Initial Calibration

