

Data Path : Z:\voasrv\HPCHEM1\MSVOA_R\Data\VR102225\
 Data File : VR026782.D
 Acq On : 22 Oct 2025 12:09
 Operator : SY/MD
 Sample : VSTDIC005
 Misc : 5mL/MSVOA_R/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_R
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

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

Quant Time: Oct 24 09:15:47 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	7.814	168	868891	50.000	ug/l	#-0.01
34) 1,4-Difluorobenzene	8.789	114	1579101	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.938	117	1504049	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.147	152	958873	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.195	65	36604	5.399	ug/l	0.00
Spiked Amount 50.000			Recovery	=	10.800%	
35) Dibromofluoromethane	7.731	113	33878	5.219	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	10.440%	
50) Toluene-d8	10.446	98	102087	5.638	ug/l	0.00
Spiked Amount 50.000			Recovery	=	11.280%	
62) 4-Bromofluorobenzene	13.072	95	60959	5.112	ug/l	0.00
Spiked Amount 50.000			Recovery	=	10.220%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.997	85	30893	4.751	ug/l	89
3) Chloromethane	2.208	50	38137	4.659	ug/l	91
4) Vinyl Chloride	2.338	62	54012	5.485	ug/l	96
5) Bromomethane	2.678	94	38329	6.081	ug/l	95
6) Chloroethane	2.819	64	40284	5.694	ug/l	91
7) Trichlorofluoromethane	3.154	101	65425	4.885	ug/l #	83
8) Diethyl Ether	3.571	74	33255	5.128	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.918	101	43591	5.164	ug/l #	86
10) Methyl Iodide	4.112	142	41350	4.289	ug/l	96
11) Tert butyl alcohol	4.987	59	78673	23.637	ug/l #	88
12) 1,1-Dichloroethene	3.900	96	46807	5.561	ug/l #	60
13) Acrolein	3.771	56	69234	31.476	ug/l	97
14) Allyl chloride	4.494	41	90356	5.132	ug/l	96
15) Acrylonitrile	5.164	53	174475	23.728	ug/l	96
16) Acetone	3.994	43	316382	35.713	ug/l	95
17) Carbon Disulfide	4.212	76	77106	5.038	ug/l #	91
18) Methyl Acetate	4.500	43	81086	3.475	ug/l	99
19) Methyl tert-butyl Ether	5.240	73	180542	5.043	ug/l	99
20) Methylene Chloride	4.717	84	54391	5.158	ug/l #	77
21) trans-1,2-Dichloroethene	5.217	96	42071	4.914	ug/l	96
22) Diisopropyl ether	6.121	45	184180	4.893	ug/l	92
23) Vinyl Acetate	6.045	43	682267	27.532	ug/l	98
24) 1,1-Dichloroethane	5.986	63	100599	5.252	ug/l	97
25) 2-Butanone	6.991	43	370341	31.066	ug/l	98
26) 2,2-Dichloropropane	6.973	77	81753	4.996	ug/l	83
27) cis-1,2-Dichloroethene	6.973	96	63334	5.294	ug/l	98
28) Bromochloromethane	7.332	49	31029	3.586	ug/l #	88
29) Tetrahydrofuran	7.373	42	154826	23.531	ug/l	99
30) Chloroform	7.514	83	91029	4.908	ug/l	93
31) Cyclohexane	7.825	56	92049	5.747	ug/l #	77
32) 1,1,1-Trichloroethane	7.731	97	75353	4.909	ug/l	97
36) 1,1-Dichloropropene	7.960	75	64307	5.157	ug/l	96
37) Ethyl Acetate	7.079	43	84641	4.634	ug/l	99
38) Carbon Tetrachloride	7.937	117	51851	4.459	ug/l	85
39) Methylcyclohexane	9.341	83	81143	5.175	ug/l	93
40) Benzene	8.219	78	203427	4.871	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_R\Data\VR102225\
 Data File : VR026782.D
 Acq On : 22 Oct 2025 12:09
 Operator : SY/MD
 Sample : VSTDIC005
 Misc : 5mL/MSVOA_R/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_R
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

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

Quant Time: Oct 24 09:15:47 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	7.308	41	58204	5.406	ug/l	96
42) 1,2-Dichloroethane	8.301	62	63354	4.629	ug/l	88
43) Isopropyl Acetate	8.342	43	149150	4.876	ug/l	97
44) Trichloroethene	9.065	130	51423	5.159	ug/l	95
45) 1,2-Dichloropropane	9.371	63	56925	5.219	ug/l #	86
46) Dibromomethane	9.470	93	36272	5.011	ug/l	96
47) Bromodichloromethane	9.676	83	73570	4.885	ug/l	96
48) Methyl methacrylate	9.459	41	67609	4.704	ug/l	97
49) 1,4-Dioxane	9.470	88	27561	87.134	ug/l #	93
51) 4-Methyl-2-Pentanone	10.328	43	513722	25.614	ug/l	98
52) Toluene	10.522	92	143310	5.093	ug/l	91
53) t-1,3-Dichloropropene	10.769	75	83596	4.864	ug/l #	85
54) cis-1,3-Dichloropropene	10.158	75	90815	5.080	ug/l #	85
55) 1,1,2-Trichloroethane	10.975	97	56207	4.945	ug/l	89
56) Ethyl methacrylate	10.816	69	101242	4.811	ug/l	96
57) 1,3-Dichloropropane	11.139	76	93541	4.906	ug/l	92
58) 2-Chloroethyl Vinyl ether	10.005	63	23539	39.125	ug/l	100
59) 2-Hexanone	11.186	43	507879	28.957	ug/l	98
60) Dibromochloromethane	11.368	129	54738	4.710	ug/l	98
61) 1,2-Dibromoethane	11.486	107	56458	4.993	ug/l	99
64) Tetrachloroethene	11.063	164	41391	5.240	ug/l	95
65) Chlorobenzene	11.973	112	175996	5.259	ug/l	89
66) 1,1,1,2-Tetrachloroethane	12.056	131	51330	4.974	ug/l	96
67) Ethyl Benzene	12.056	91	300434	5.364	ug/l	97
68) m/p-Xylenes	12.173	106	236625	10.765	ug/l	99
69) o-Xylene	12.555	106	114257	5.187	ug/l	97
70) Styrene	12.573	104	205595	5.102	ug/l	96
71) Bromoform	12.761	173	37976	4.457	ug/l #	98
73) Isopropylbenzene	12.896	105	294197	5.252	ug/l	99
74) N-amyl acetate	12.679	43	161046	5.157	ug/l	98
75) 1,1,2,2-Tetrachloroethane	13.178	83	101109	4.880	ug/l	94
76) 1,2,3-Trichloropropane	13.225	75	82615m	4.756	ug/l	
77) Bromobenzene	13.225	156	68952	5.042	ug/l	91
78) n-propylbenzene	13.290	91	354062	5.122	ug/l	98
79) 2-Chlorotoluene	13.390	91	203428	4.931	ug/l	98
80) 1,3,5-Trimethylbenzene	13.442	105	246400	5.011	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.943	75	33998	4.573	ug/l	99
82) 4-Chlorotoluene	13.495	91	208936	4.825	ug/l	98
83) tert-Butylbenzene	13.748	119	247375	5.303	ug/l	90
84) 1,2,4-Trimethylbenzene	13.795	105	274435	5.141	ug/l	99
85) sec-Butylbenzene	13.948	105	336843	5.012	ug/l	96
86) p-Isopropyltoluene	14.071	119	288268	4.944	ug/l	97
87) 1,3-Dichlorobenzene	14.077	146	156512	5.031	ug/l	98
88) 1,4-Dichlorobenzene	14.177	146	170253	5.272	ug/l	96
89) n-Butylbenzene	14.447	91	272686	4.780	ug/l	98
90) Hexachloroethane	14.759	117	39921	4.229	ug/l	95
91) 1,2-Dichlorobenzene	14.500	146	166074	5.208	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	15.205	75	24529	5.149	ug/l	87
93) 1,2,4-Trichlorobenzene	16.028	180	86155	4.262	ug/l	96
94) Hexachlorobutadiene	16.157	225	36223	5.042	ug/l	90
95) Naphthalene	16.333	128	254483	4.014	ug/l	97
96) 1,2,3-Trichlorobenzene	16.586	180	86668	4.352	ug/l	95

Data Path : Z:\voasrv\HPCHEM1\MSVOA_R\Data\VR102225\
Data File : VR026782.D
Acq On : 22 Oct 2025 12:09
Operator : SY/MD
Sample : VSTDICC005
Misc : 5mL/MSVOA_R/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_R
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

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

Quant Time: Oct 24 09:15:47 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

