

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU111025\
 Data File : VU063690.D
 Acq On : 10 Nov 2025 11:20
 Operator : MD/SY
 Sample : VSTDICC005
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICC005

Quant Time: Nov 11 01:20:22 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U111025W.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 11 01:18:58 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.341	168	197756	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.219	114	336995	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.393	117	315469	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.791	152	156182	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.676	65	15839	5.422	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	10.840%#
35) Dibromofluoromethane	5.264	113	12079	5.118	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	10.240%#
50) Toluene-d8	7.875	98	46230	5.452	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	10.900%#
62) 4-Bromofluorobenzene	10.614	95	17877	5.097	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	10.200%#
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.370	85	6759	5.659	ug/l	99
3) Chloromethane	1.509	50	7341	5.783	ug/l	98
4) Vinyl Chloride	1.589	62	8510	5.793	ug/l	97
5) Bromomethane	1.827	94	7645	4.962	ug/l	89
6) Chloroethane	1.911	64	6446	5.803	ug/l	94
7) Trichlorofluoromethane	2.116	101	14325	5.097	ug/l	98
8) Diethyl Ether	2.354	74	6236	5.219	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.554	101	9734	5.451	ug/l	98
10) Methyl Iodide	2.695	142	5864	5.757	ug/l	99
11) Tert butyl alcohol	3.155	59	22578	33.126	ug/l #	80
12) 1,1-Dichloroethene	2.557	96	8229	5.352	ug/l	92
13) Acrolein	2.460	56	2594	42.128	ug/l	94
14) Allyl chloride	2.894	41	15204	5.302	ug/l	96
15) Acrylonitrile	3.290	53	35011	25.082	ug/l	99
16) Acetone	2.602	43	55607	30.612	ug/l	98
17) Carbon Disulfide	2.763	76	13380	6.731	ug/l	97
18) Methyl Acetate	2.927	43	14776	4.356	ug/l	91
19) Methyl tert-butyl Ether	3.335	73	35218	5.076	ug/l	96
20) Methylene Chloride	3.017	84	11806	5.776	ug/l	95
21) trans-1,2-Dichloroethene	3.325	96	9119	5.776	ug/l	94
22) Diisopropyl ether	3.962	45	33861	5.361	ug/l #	53
23) Vinyl Acetate	3.933	43	115991	26.927	ug/l	99
24) 1,1-Dichloroethane	3.836	63	19053	5.230	ug/l	98
25) 2-Butanone	4.682	43	54548	27.119	ug/l	99
26) 2,2-Dichloropropane	4.631	77	15088	4.822	ug/l	99
27) cis-1,2-Dichloroethene	4.637	96	12243	5.308	ug/l	98
28) Bromochloromethane	4.946	49	5951	4.083	ug/l #	95
29) Tetrahydrofuran	5.026	42	30459	26.024	ug/l	96
30) Chloroform	5.058	83	20996	5.261	ug/l	88
31) Cyclohexane	5.354	56	17864	6.149	ug/l #	77
32) 1,1,1-Trichloroethane	5.283	97	16942	5.173	ug/l	99
36) 1,1-Dichloropropene	5.499	75	12659	5.269	ug/l	96
37) Ethyl Acetate	4.791	43	20350m	5.958	ug/l	
38) Carbon Tetrachloride	5.496	117	12546	4.832	ug/l	94
39) Methylcyclohexane	6.733	83	14501	5.317	ug/l	99
40) Benzene	5.746	78	39597	5.108	ug/l	96

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU111025\
 Data File : VU063690.D
 Acq On : 10 Nov 2025 11:20
 Operator : MD/SY
 Sample : VSTDICC005
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICC005

Quant Time: Nov 11 01:20:22 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U111025W.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 11 01:18:58 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.959	41	8608	4.869	ug/l	89
42) 1,2-Dichloroethane	5.769	62	15866	5.189	ug/l	99
43) Isopropyl Acetate	5.894	43	24043	4.822	ug/l	99
44) Trichloroethene	6.518	130	11229	5.163	ug/l	91
45) 1,2-Dichloropropane	6.762	63	10962	5.202	ug/l	92
46) Dibromomethane	6.897	93	7933	5.013	ug/l	98
47) Bromodichloromethane	7.077	83	15046	4.690	ug/l	95
48) Methyl methacrylate	6.942	41	11571	4.728	ug/l	94
49) 1,4-Dioxane	6.946	88	7452	114.931	ug/l	94
51) 4-Methyl-2-Pentanone	7.766	43	93618	24.537	ug/l	98
52) Toluene	7.946	92	26435	5.254	ug/l	98
53) t-1,3-Dichloropropene	8.190	75	13055	4.832	ug/l	94
54) cis-1,3-Dichloropropene	7.582	75	14754	4.873	ug/l	94
55) 1,1,2-Trichloroethane	8.376	97	11057	4.789	ug/l	98
56) Ethyl methacrylate	8.315	69	15393	4.519	ug/l	98
57) 1,3-Dichloropropane	8.550	76	18688	4.962	ug/l	97
59) 2-Hexanone	8.663	43	68816	24.216	ug/l	100
60) Dibromochloromethane	8.785	129	11200	4.632	ug/l	96
61) 1,2-Dibromoethane	8.901	107	11040	4.962	ug/l	96
64) Tetrachloroethene	8.531	164	10468	5.143	ug/l	98
65) Chlorobenzene	9.425	112	31540	5.117	ug/l	98
66) 1,1,1,2-Tetrachloroethane	9.508	131	10507	5.011	ug/l	98
67) Ethyl Benzene	9.547	91	51598	5.025	ug/l	97
68) m/p-Xylenes	9.672	106	37236	9.825	ug/l	97
69) o-Xylene	10.077	106	19303	4.936	ug/l	99
70) Styrene	10.093	104	29744	4.735	ug/l	99
71) Bromoform	10.264	173	7289	4.317	ug/l #	97
73) Isopropylbenzene	10.460	105	51790	5.278	ug/l	99
74) N-amyl acetate	10.302	43	16667	4.875	ug/l	97
75) 1,1,2,2-Tetrachloroethane	10.759	83	19768	5.246	ug/l	94
76) 1,2,3-Trichloropropane	10.801	75	19980	5.187	ug/l #	100
77) Bromobenzene	10.762	156	13093	5.303	ug/l	98
78) n-propylbenzene	10.884	91	55194	4.903	ug/l	99
79) 2-Chlorotoluene	10.965	91	37846	5.202	ug/l	100
80) 1,3,5-Trimethylbenzene	11.064	105	41970	5.101	ug/l	99
81) trans-1,4-Dichloro-2-b...	10.524	75	3380	4.575	ug/l #	83
82) 4-Chlorotoluene	11.077	91	41820	5.058	ug/l	100
83) tert-Butylbenzene	11.396	119	43813	5.112	ug/l	96
84) 1,2,4-Trimethylbenzene	11.444	105	40076	4.964	ug/l	99
85) sec-Butylbenzene	11.621	105	55499	5.126	ug/l	99
86) p-Isopropyltoluene	11.769	119	43388	4.992	ug/l	97
87) 1,3-Dichlorobenzene	11.724	146	23973	5.169	ug/l	99
88) 1,4-Dichlorobenzene	11.814	146	25087	5.170	ug/l	90
89) n-Butylbenzene	12.187	91	38692	4.848	ug/l	97
90) Hexachloroethane	12.450	117	6699	5.053	ug/l	91
91) 1,2-Dichlorobenzene	12.190	146	23414	5.056	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	12.971	75	3475	4.501	ug/l	94
93) 1,2,4-Trichlorobenzene	13.820	180	12705	4.303	ug/l	99
94) Hexachlorobutadiene	13.994	225	7065	4.749	ug/l	96
95) Naphthalene	14.068	128	31409	3.927	ug/l	100
96) 1,2,3-Trichlorobenzene	14.309	180	11838	4.313	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU111025\
Data File : VU063690.D
Acq On : 10 Nov 2025 11:20
Operator : MD/SY
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTDICC005

Quant Time: Nov 11 01:20:22 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U111025W.M
Quant Title : SW846 8260
QLast Update : Tue Nov 11 01:18:58 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_U\Data\VU111025\
 Data File : VU063690.D
 Acq On : 10 Nov 2025 11:20
 Operator : MD/SY
 Sample : VSTDIC005
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

Quant Time: Nov 11 01:20:22 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U111025W.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 11 01:18:58 2025
 Response via : Initial Calibration

