

Data Path : Z:\voasrv\HPCHEM1\MSVOA_R\Data\VR080425\
 Data File : VR026689.D
 Acq On : 4 Aug 2025 11:08
 Operator : SY/MD
 Sample : VSTDIC010
 Misc : 5mL/MSVOA_R/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_R
 ClientSampleId :
 VSTDIC010

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 08/05/2025
 Supervised By :Semsettin Yesilyurt 08/05/2025

Quant Time: Aug 05 01:54:22 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_R\methods\82R080425W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 05 01:53:00 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.301	168	714346	50.000	ug/l	0.00
33) 1,4-Difluorobenzene	8.331	114	1272822	50.000	ug/l	0.00
62) Chlorobenzene-d5	11.540	117	932422	50.000	ug/l	0.00
71) 1,4-Dichlorobenzene-d4	13.748	152	414540	50.000	ug/l	0.00
System Monitoring Compounds						
32) 1,2-Dichloroethane-d4	7.699	65	90595	10.020	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	20.040%#		
34) Dibromofluoromethane	7.205	113	79503	10.099	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	20.200%#		
49) Toluene-d8	10.038	98	279496	9.910	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	19.820%#		
61) 4-Bromofluorobenzene	12.673	95	80057	9.980	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	19.960%#		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.666	85	55017	10.567	ug/l	87
3) Chloromethane	1.849	50	82276	10.631	ug/l	100
4) Vinyl Chloride	1.962	62	82399	10.419	ug/l	100
5) Bromomethane	2.311	94	42320	10.982	ug/l	88
6) Chloroethane	2.433	64	57518	11.296	ug/l	98
7) Trichlorofluoromethane	2.719	101	154421	10.833	ug/l	97
8) Diethyl Ether	3.078	74	64039	10.126	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.386	101	76783	9.982	ug/l #	84
10) Methyl Iodide	3.556	142	74559	10.047	ug/l #	49
11) Tert butyl alcohol	4.333	59	69584	49.191	ug/l #	91
12) 1,1-Dichloroethene	3.370	96	80264	10.563	ug/l	88
13) Acrolein	3.252	56	102083	49.368	ug/l	93
14) Allyl chloride	3.897	41	163967	10.968	ug/l	92
15) Acrylonitrile	4.484	53	289103	51.486	ug/l	98
16) Acetone	3.444	43	216306	50.974	ug/l	90
17) Carbon Disulfide	3.653	76	112197	9.975	ug/l	96
18) Methyl Acetate	3.903	43	185735	10.487	ug/l	99
19) Methyl tert-butyl Ether	4.558	73	317326	10.435	ug/l	96
20) Methylene Chloride	4.092	84	105650	10.491	ug/l #	80
21) trans-1,2-Dichloroethene	4.532	96	87408	10.464	ug/l	85
22) Diisopropyl ether	5.475	45	361699	10.325	ug/l #	89
23) Vinyl Acetate	5.398	43	1079611	54.050	ug/l #	93
24) 1,1-Dichloroethane	5.337	63	188338	10.616	ug/l	95
25) 2-Butanone	6.380	43	337627	51.405	ug/l	91
26) 2,2-Dichloropropane	6.358	77	124294	10.135	ug/l	99
27) cis-1,2-Dichloroethene	6.367	96	112052	10.426	ug/l	100
28) Bromochloromethane	6.756	49	66597	10.418	ug/l	95
29) Chloroform	6.964	83	154389	10.046	ug/l	95
30) Cyclohexane	7.288	56	152250	10.627	ug/l #	86
31) 1,1,1-Trichloroethane	7.189	97	114615	10.322	ug/l	97
35) 1,1-Dichloropropene	7.439	75	104996	10.572	ug/l	86
36) Ethyl Acetate	6.489	43	121405	10.211	ug/l #	69
37) Carbon Tetrachloride	7.417	117	78036	9.648	ug/l	90
38) Methylcyclohexane	8.896	83	114174	10.043	ug/l	90
39) Benzene	7.715	78	359620	10.055	ug/l	99
40) Methacrylonitrile	6.724	41	73547	9.954	ug/l	98

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QLast Update : Tue Aug 05 01:53:00 2025

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) 1,2-Dichloroethane	7.805	62	95578m	10.507	ug/l	
42) Isopropyl Acetate	7.876	43	192905	10.090	ug/l #	91
43) Trichloroethene	8.610	130	71844	10.445	ug/l	94
44) 1,2-Dichloropropane	8.918	63	84337	9.965	ug/l	99
45) Dibromomethane	9.021	93	49095	10.430	ug/l	95
46) Bromodichloromethane	9.252	83	91729	10.058	ug/l	90
47) Methyl methacrylate	9.037	41	80703	9.645	ug/l	96
48) 1,4-Dioxane	9.028	88	23055	171.052	ug/l	90
50) 4-Methyl-2-Pentanone	9.923	43	512756	51.373	ug/l	96
51) Toluene	10.112	92	184555	10.108	ug/l	99
52) t-1,3-Dichloropropene	10.372	75	86058	9.627	ug/l	97
53) cis-1,3-Dichloropropene	9.753	75	105026	9.795	ug/l	99
54) 1,1,2-Trichloroethane	10.571	97	66385	9.956	ug/l	92
55) Ethyl methacrylate	10.439	69	104277	9.470	ug/l	95
56) 1,3-Dichloropropane	10.738	76	112913	9.942	ug/l	99
57) 2-Chloroethyl Vinyl ether	9.596	63	23120	37.995	ug/l	97
58) 2-Hexanone	10.802	43	327300	48.643	ug/l	99
59) Dibromochloromethane	10.959	129	53441	9.470	ug/l	98
60) 1,2-Dibromoethane	11.072	107	58884	10.261	ug/l	96
63) Tetrachloroethene	10.654	164	53719	10.546	ug/l	96
64) Chlorobenzene	11.566	112	203672	10.496	ug/l	95
65) 1,1,1,2-Tetrachloroethane	11.662	131	51981	9.807	ug/l	96
66) Ethyl Benzene	11.662	91	327558	10.109	ug/l	100
67) m/p-Xylenes	11.790	106	263190	20.331	ug/l	99
68) o-Xylene	12.159	106	126845	10.094	ug/l	99
69) Styrene	12.182	104	212066	10.099	ug/l	96
70) Bromoform	12.362	173	27247	9.083	ug/l #	86
72) Isopropylbenzene	12.509	105	308820	10.452	ug/l	100
73) N-amyl acetate	12.307	43	116027	9.904	ug/l	98
74) 1,1,2,2-Tetrachloroethane	12.792	83	90136	10.398	ug/l	98
75) 1,2,3-Trichloropropane	12.849	75	70579m	10.162	ug/l	
76) Bromobenzene	12.820	156	71338	10.433	ug/l	95
77) n-propylbenzene	12.898	91	365007	10.355	ug/l	99
78) 2-Chlorotoluene	12.987	91	208498	10.425	ug/l	99
79) 1,3,5-Trimethylbenzene	13.058	105	237903	10.297	ug/l	100
80) trans-1,4-Dichloro-2-b...	12.564	75	22433	9.509	ug/l	94
81) 4-Chlorotoluene	13.096	91	218285	10.684	ug/l	99
82) tert-Butylbenzene	13.353	119	221561	10.543	ug/l	98
83) 1,2,4-Trimethylbenzene	13.405	105	234424	10.250	ug/l	99
84) sec-Butylbenzene	13.555	105	329220	10.563	ug/l	99
85) p-Isopropyltoluene	13.687	119	251493	9.897	ug/l	97
86) 1,3-Dichlorobenzene	13.684	146	136448	10.179	ug/l	99
87) 1,4-Dichlorobenzene	13.767	146	139283	10.352	ug/l	98
88) n-Butylbenzene	14.053	91	237954	10.160	ug/l	97
89) Hexachloroethane	14.354	117	34023	9.324	ug/l	92
90) 1,2-Dichlorobenzene	14.098	146	133834	10.630	ug/l	98
91) 1,2-Dibromo-3-Chloropr...	14.788	75	12096	10.478	ug/l #	61
92) 1,2,4-Trichlorobenzene	15.558	180	73478	9.760	ug/l	95
93) Hexachlorobutadiene	15.686	225	24694	10.095	ug/l	95
94) Naphthalene	15.843	128	233137	10.105	ug/l #	89
95) 1,2,3-Trichlorobenzene	16.061	180	73884m	10.337	ug/l	

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

