

Data Path : Z:\voasrv\HPCHEM1\MSVOA_R\Data\VR080425\
 Data File : VR026688.D
 Acq On : 4 Aug 2025 10:42
 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 :Mahesh Dadoda 08/05/2025
 Supervised By :Semsettin Yesilyurt 08/05/2025

Quant Time: Aug 05 01:53:33 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	722023	50.000	ug/l	0.00
33) 1,4-Difluorobenzene	8.331	114	1314973	50.000	ug/l	0.00
62) Chlorobenzene-d5	11.540	117	963646	50.000	ug/l	0.00
71) 1,4-Dichlorobenzene-d4	13.745	152	409447	50.000	ug/l	0.00
System Monitoring Compounds						
32) 1,2-Dichloroethane-d4	7.690	65	43402	4.749	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	9.500%#		
34) Dibromofluoromethane	7.199	113	36597	4.500	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	9.000%#		
49) Toluene-d8	10.035	98	128664	4.416	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	8.840%#		
61) 4-Bromofluorobenzene	12.670	95	39612m	4.780	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	9.560%#		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.666	85	25316	4.811	ug/l	99
3) Chloromethane	1.849	50	39883	5.099	ug/l	96
4) Vinyl Chloride	1.962	62	43443	5.435	ug/l	94
5) Bromomethane	2.311	94	21170	5.435	ug/l	94
6) Chloroethane	2.433	64	28898	5.615	ug/l	91
7) Trichlorofluoromethane	2.719	101	73959	5.133	ug/l	99
8) Diethyl Ether	3.078	74	31674	4.955	ug/l	95
9) 1,1,2-Trichlorotrifluo...	3.383	101	39025	5.019	ug/l	96
10) Methyl Iodide	3.550	142	34715	4.628	ug/l #	97
11) Tert butyl alcohol	4.340	59	32950m	23.046	ug/l	
12) 1,1-Dichloroethene	3.364	96	36096	4.700	ug/l #	81
13) Acrolein	3.248	56	50040m	23.942	ug/l	
14) Allyl chloride	3.884	41	73874m	4.889	ug/l	
15) Acrylonitrile	4.490	53	128711	22.678	ug/l	93
16) Acetone	3.451	43	100820	23.506	ug/l	93
17) Carbon Disulfide	3.646	76	53643	4.718	ug/l	95
18) Methyl Acetate	3.903	43	81070	4.529	ug/l	97
19) Methyl tert-butyl Ether	4.558	73	144573	4.704	ug/l	100
20) Methylene Chloride	4.086	84	50435	4.955	ug/l	88
21) trans-1,2-Dichloroethene	4.535	96	41160	4.875	ug/l #	79
22) Diisopropyl ether	5.469	45	163759	4.625	ug/l	93
23) Vinyl Acetate	5.395	43	496352	24.585	ug/l #	88
24) 1,1-Dichloroethane	5.328	63	86870m	4.845	ug/l	
25) 2-Butanone	6.387	43	148014	22.296	ug/l	90
26) 2,2-Dichloropropane	6.358	77	57735m	4.658	ug/l	
27) cis-1,2-Dichloroethene	6.355	96	50625	4.661	ug/l	96
28) Bromochloromethane	6.756	49	36195	5.602	ug/l	92
29) Chloroform	6.958	83	75214	4.842	ug/l	87
30) Cyclohexane	7.285	56	79997m	5.524	ug/l	
31) 1,1,1-Trichloroethane	7.173	97	51401m	4.580	ug/l	
35) 1,1-Dichloropropene	7.433	75	46256	4.508	ug/l	97
36) Ethyl Acetate	6.496	43	57042m	4.644	ug/l	
37) Carbon Tetrachloride	7.414	117	38581	4.617	ug/l #	81
38) Methylcyclohexane	8.890	83	56288	4.793	ug/l	98
39) Benzene	7.709	78	177048	4.792	ug/l #	90
40) Methacrylonitrile	6.727	41	35774m	4.686	ug/l	

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) 1,2-Dichloroethane	7.792	62	44662m	4.752	ug/l	
42) Isopropyl Acetate	7.879	43	87870	4.449	ug/l #	92
43) Trichloroethene	8.611	130	32970	4.640	ug/l	99
44) 1,2-Dichloropropane	8.925	63	43973	5.029	ug/l #	82
45) Dibromomethane	9.028	93	22683	4.665	ug/l	95
46) Bromodichloromethane	9.243	83	41127	4.365	ug/l	93
47) Methyl methacrylate	9.034	41	35973	4.161	ug/l #	84
48) 1,4-Dioxane	9.041	88	12167m	87.377	ug/l	
50) 4-Methyl-2-Pentanone	9.923	43	229232	22.231	ug/l	94
51) Toluene	10.116	92	88508m	4.692	ug/l	
52) t-1,3-Dichloropropene	10.369	75	39320	4.258	ug/l	92
53) cis-1,3-Dichloropropene	9.750	75	47799	4.315	ug/l #	89
54) 1,1,2-Trichloroethane	10.568	97	31371	4.554	ug/l	94
55) Ethyl methacrylate	10.436	69	49143	4.320	ug/l #	89
56) 1,3-Dichloropropane	10.735	76	55185	4.703	ug/l	99
57) 2-Chloroethyl Vinyl ether	9.599	63	8886	14.135	ug/l #	80
58) 2-Hexanone	10.796	43	140975	20.280	ug/l	100
59) Dibromochloromethane	10.956	129	25394	4.356	ug/l	98
60) 1,2-Dibromoethane	11.078	107	26302	4.436	ug/l	99
63) Tetrachloroethene	10.655	164	26075	4.953	ug/l	96
64) Chlorobenzene	11.566	112	94617	4.718	ug/l	90
65) 1,1,1,2-Tetrachloroethane	11.662	131	23470	4.285	ug/l #	43
66) Ethyl Benzene	11.665	91	155116	4.632	ug/l	99
67) m/p-Xylenes	11.794	106	121767	9.102	ug/l	97
68) o-Xylene	12.160	106	55903	4.305	ug/l	95
69) Styrene	12.179	104	93849	4.324	ug/l	98
70) Bromoform	12.359	173	12536	4.044	ug/l #	77
72) Isopropylbenzene	12.506	105	143258	4.909	ug/l	98
73) N-amyl acetate	12.304	43	51689	4.467	ug/l	97
74) 1,1,2,2-Tetrachloroethane	12.792	83	40148	4.689	ug/l #	93
75) 1,2,3-Trichloropropane	12.846	75	32450m	4.730	ug/l	
76) Bromobenzene	12.811	156	34003	5.035	ug/l	92
77) n-propylbenzene	12.894	91	170096	4.885	ug/l	100
78) 2-Chlorotoluene	12.988	91	98862	5.005	ug/l	99
79) 1,3,5-Trimethylbenzene	13.055	105	108920	4.773	ug/l	97
80) trans-1,4-Dichloro-2-b...	12.567	75	9235	3.963	ug/l	92
81) 4-Chlorotoluene	13.100	91	100209	4.966	ug/l	98
82) tert-Butylbenzene	13.357	119	96173	4.633	ug/l	94
83) 1,2,4-Trimethylbenzene	13.398	105	101408	4.489	ug/l	100
84) sec-Butylbenzene	13.552	105	141184	4.586	ug/l	97
85) p-Isopropyltoluene	13.684	119	115464	4.600	ug/l	99
86) 1,3-Dichlorobenzene	13.674	146	63847	4.822	ug/l	96
87) 1,4-Dichlorobenzene	13.767	146	67165	5.054	ug/l	98
88) n-Butylbenzene	14.056	91	104711	4.526	ug/l	98
89) Hexachloroethane	14.355	117	16452	4.565	ug/l	99
90) 1,2-Dichlorobenzene	14.101	146	58919	4.738	ug/l	100
91) 1,2-Dibromo-3-Chloropr...	14.794	75	4923m	4.318	ug/l	
92) 1,2,4-Trichlorobenzene	15.561	180	36499	4.908	ug/l	95
93) Hexachlorobutadiene	15.680	225	13548m	5.608	ug/l	
94) Naphthalene	15.840	128	98295	4.314	ug/l #	76
95) 1,2,3-Trichlorobenzene	16.071	180	32454m	4.597	ug/l	

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

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

