

Data Path : Z:\voasrv\HPCHEM1\MSVOA_R\Data\VR080725\
 Data File : VR026727.D
 Acq On : 7 Aug 2025 14:54
 Operator : SY/MD
 Sample : VR0807WBSD01
 Misc : 5mL/MSVOA_R/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_R
 ClientSampleId :
 VR0807WBSD01

Manual Integrations
 APPROVED

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

Quant Time: Aug 08 01:41:28 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_R\methods\82R080425W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 05 02:27:49 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.292	168	367669	50.000	ug/l	-0.01
33) 1,4-Difluorobenzene	8.318	114	625094	50.000	ug/l	-0.01
62) Chlorobenzene-d5	11.531	117	512673	50.000	ug/l	-0.01
71) 1,4-Dichlorobenzene-d4	13.735	152	251005	50.000	ug/l	-0.01
System Monitoring Compounds						
32) 1,2-Dichloroethane-d4	7.680	65	231642	49.778	ug/l	-0.02
Spiked Amount 50.000	Range 74 - 125		Recovery =	99.560%		
34) Dibromofluoromethane	7.195	113	194707	50.361	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	100.720%		
49) Toluene-d8	10.026	98	780639	56.358	ug/l	-0.01
Spiked Amount 50.000	Range 86 - 113		Recovery =	112.720%		
61) 4-Bromofluorobenzene	12.670	95	216465	54.944	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	109.880%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.660	85	48694	18.172	ug/l	80
3) Chloromethane	1.840	50	75065	18.845	ug/l	95
4) Vinyl Chloride	1.955	62	84114	20.665	ug/l	90
5) Bromomethane	2.302	94	42072	21.212	ug/l	82
6) Chloroethane	2.420	64	53760	20.513	ug/l #	88
7) Trichlorofluoromethane	2.706	101	181702	24.767	ug/l	98
8) Diethyl Ether	3.072	74	59796	18.370	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.374	101	69363	17.526	ug/l	93
10) Methyl Iodide	3.537	142	63797	16.702	ug/l	97
11) Tert butyl alcohol	4.320	59	60566	83.187	ug/l #	80
12) 1,1-Dichloroethene	3.348	96	65163	16.661	ug/l	96
13) Acrolein	3.236	56	110861	104.164	ug/l	98
14) Allyl chloride	3.877	41	114396	14.867	ug/l	93
15) Acrylonitrile	4.468	53	283507	98.095	ug/l	97
16) Acetone	3.434	43	218199	99.905	ug/l	89
17) Carbon Disulfide	3.633	76	73845	12.755	ug/l	98
18) Methyl Acetate	3.887	43	196713	21.580	ug/l	99
19) Methyl tert-butyl Ether	4.538	73	261281	16.693	ug/l	97
20) Methylene Chloride	4.073	84	91928	17.736	ug/l	91
21) trans-1,2-Dichloroethene	4.526	96	72144	16.780	ug/l	97
22) Diisopropyl ether	5.453	45	329443	18.271	ug/l #	93
23) Vinyl Acetate	5.379	43	993787	96.665	ug/l #	92
24) 1,1-Dichloroethane	5.321	63	157447	17.243	ug/l	99
25) 2-Butanone	6.367	43	354738	104.937	ug/l	97
26) 2,2-Dichloropropane	6.342	77	90982m	14.413	ug/l	
27) cis-1,2-Dichloroethene	6.335	96	94078	17.008	ug/l	99
28) Bromochloromethane	6.733	49	57221	17.391	ug/l	98
29) Chloroform	6.948	83	142279	17.988	ug/l	90
30) Cyclohexane	7.266	56	110701	15.012	ug/l #	95
31) 1,1,1-Trichloroethane	7.163	97	97578	17.078	ug/l	95
35) 1,1-Dichloropropene	7.417	75	93707	19.212	ug/l #	76
36) Ethyl Acetate	6.464	43	118652	20.320	ug/l #	90
37) Carbon Tetrachloride	7.404	117	72197	18.175	ug/l	96
38) Methylcyclohexane	8.880	83	100779	18.051	ug/l	93
39) Benzene	7.693	78	335961	19.127	ug/l	99
40) Methacrylonitrile	6.720	41	78394m	21.603	ug/l	

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) 1,2-Dichloroethane	7.783	62	91973	20.587	ug/l	98
42) Isopropyl Acetate	7.866	43	186631	19.878	ug/l #	83
43) Trichloroethene	8.601	130	69439	20.557	ug/l	86
44) 1,2-Dichloropropane	8.912	63	81997	19.727	ug/l	93
45) Dibromomethane	9.015	93	49289	21.322	ug/l	94
46) Bromodichloromethane	9.239	83	91576	20.446	ug/l	93
47) Methyl methacrylate	9.024	41	90670	22.065	ug/l	96
48) 1,4-Dioxane	9.024	88	32678	493.674	ug/l #	87
50) 4-Methyl-2-Pentanone	9.913	43	613571	125.173	ug/l	96
51) Toluene	10.103	92	196517	21.917	ug/l	96
52) t-1,3-Dichloropropene	10.359	75	80164	18.261	ug/l	98
53) cis-1,3-Dichloropropene	9.740	75	98623	18.730	ug/l #	89
54) 1,1,2-Trichloroethane	10.565	97	75336	23.006	ug/l	95
55) Ethyl methacrylate	10.430	69	118732	21.956	ug/l	97
56) 1,3-Dichloropropane	10.728	76	129721	23.257	ug/l	99
57) 2-Chloroethyl Vinyl ether	9.583	63	43501	145.565	ug/l	100
58) 2-Hexanone	10.793	43	416884	126.157	ug/l	99
59) Dibromochloromethane	10.953	129	60569	21.856	ug/l	100
60) 1,2-Dibromoethane	11.062	107	65437	23.219	ug/l	99
63) Tetrachloroethene	10.645	164	54543	19.475	ug/l	85
64) Chlorobenzene	11.559	112	215980	20.243	ug/l	90
65) 1,1,1,2-Tetrachloroethane	11.646	131	57122	19.601	ug/l	100
66) Ethyl Benzene	11.653	91	343171	19.263	ug/l	98
67) m/p-Xylenes	11.778	106	275252	38.672	ug/l	100
68) o-Xylene	12.153	106	135612	19.628	ug/l	97
69) Styrene	12.172	104	233181	20.196	ug/l	97
70) Bromoform	12.346	173	32455	19.678	ug/l #	97
72) Isopropylbenzene	12.493	105	329719	18.430	ug/l	99
73) N-amyl acetate	12.294	43	129437	18.247	ug/l	98
74) 1,1,2,2-Tetrachloroethane	12.782	83	112184	21.372	ug/l	97
75) 1,2,3-Trichloropropane	12.840	75	81619m	19.617	ug/l	
76) Bromobenzene	12.808	156	80312	19.398	ug/l	93
77) n-propylbenzene	12.885	91	409878	19.203	ug/l	100
78) 2-Chlorotoluene	12.978	91	224095	18.505	ug/l	97
79) 1,3,5-Trimethylbenzene	13.042	105	262900	18.792	ug/l	99
80) trans-1,4-Dichloro-2-b...	12.551	75	23491	16.444	ug/l #	69
81) 4-Chlorotoluene	13.087	91	229654	18.564	ug/l	95
82) tert-Butylbenzene	13.344	119	246531	19.374	ug/l	95
83) 1,2,4-Trimethylbenzene	13.392	105	261963	18.917	ug/l	98
84) sec-Butylbenzene	13.546	105	365699	19.379	ug/l	99
85) p-Isopropyltoluene	13.674	119	296371	19.261	ug/l	99
86) 1,3-Dichlorobenzene	13.671	146	163314	20.120	ug/l	97
87) 1,4-Dichlorobenzene	13.758	146	163876	20.115	ug/l	97
88) n-Butylbenzene	14.043	91	274063	19.325	ug/l	98
89) Hexachloroethane	14.345	117	36747	16.631	ug/l	91
90) 1,2-Dichlorobenzene	14.088	146	162978	21.378	ug/l	95
91) 1,2-Dibromo-3-Chloropr...	14.788	75	13658	19.540	ug/l	91
92) 1,2,4-Trichlorobenzene	15.548	180	93998	20.620	ug/l	99
93) Hexachlorobutadiene	15.676	225	28519	19.255	ug/l	96
94) Naphthalene	15.831	128	311020	22.264	ug/l	98
95) 1,2,3-Trichlorobenzene	16.052	180	95315	22.024	ug/l	98

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

