

Data Path : Z:\voasrv\HPCHEM1\MSVOA_R\Data\VR081125\
 Data File : VR026732.D
 Acq On : 11 Aug 2025 9:27
 Operator : SY/MD
 Sample : VSTDC0050
 Misc : 5mL/MSVOA_R/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_R
 ClientSampleId :
 VSTDC0050

Quant Time: Aug 12 02:45:36 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	7.295	168	417420	50.000	ug/l	0.00
33) 1,4-Difluorobenzene	8.325	114	733376	50.000	ug/l	0.00
62) Chlorobenzene-d5	11.537	117	598763	50.000	ug/l	0.00
71) 1,4-Dichlorobenzene-d4	13.745	152	286998	50.000	ug/l	0.00

System Monitoring Compounds						
32) 1,2-Dichloroethane-d4	7.680	65	258925	49.010	ug/l	-0.02
Spiked Amount	50.000	Range	74 - 125	Recovery	=	98.020%
34) Dibromofluoromethane	7.195	113	227306	50.112	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	100.220%
49) Toluene-d8	10.032	98	874299	53.800	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	107.600%
61) 4-Bromofluorobenzene	12.673	95	251439	54.398	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	108.800%

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.660	85	141439	46.492	ug/l	100
3) Chloromethane	1.843	50	215535	47.662	ug/l	92
4) Vinyl Chloride	1.958	62	248007	53.668	ug/l	96
5) Bromomethane	2.295	94	128156	56.913	ug/l	95
6) Chloroethane	2.420	64	149969	50.402	ug/l	99
7) Trichlorofluoromethane	2.706	101	527286	63.305	ug/l	98
8) Diethyl Ether	3.069	74	168154	45.501	ug/l	93
9) 1,1,2-Trichlorotrifluo...	3.380	101	216412	48.163	ug/l #	87
10) Methyl Iodide	3.550	142	197509	45.545	ug/l	97
11) Tert butyl alcohol	4.314	59	170420	206.172	ug/l #	93
12) 1,1-Dichloroethene	3.354	96	203037	45.726	ug/l	89
13) Acrolein	3.239	56	232103	192.090	ug/l	98
14) Allyl chloride	3.877	41	417731	47.819	ug/l	96
15) Acrylonitrile	4.471	53	816536	248.853	ug/l	96
16) Acetone	3.434	43	707757	285.432	ug/l	92
17) Carbon Disulfide	3.640	76	287175	43.691	ug/l	97
18) Methyl Acetate	3.893	43	571188	55.192	ug/l	99
19) Methyl tert-butyl Ether	4.548	73	821294	46.219	ug/l	95
20) Methylene Chloride	4.083	84	264025	44.869	ug/l	94
21) trans-1,2-Dichloroethene	4.526	96	216189	44.290	ug/l	92
22) Diisopropyl ether	5.463	45	978676	47.809	ug/l	93
23) Vinyl Acetate	5.386	43	2984103	255.667	ug/l	94
24) 1,1-Dichloroethane	5.325	63	469108	45.252	ug/l	99
25) 2-Butanone	6.367	43	1050768	273.787	ug/l	99
26) 2,2-Dichloropropane	6.348	77	327338	45.676	ug/l	100
27) cis-1,2-Dichloroethene	6.348	96	291885	46.479	ug/l	99
28) Bromochloromethane	6.736	49	154583	41.382	ug/l	100
29) Chloroform	6.951	83	450737	50.195	ug/l	97
30) Cyclohexane	7.269	56	353840	42.266	ug/l	95
31) 1,1,1-Trichloroethane	7.176	97	329049	50.727	ug/l	97
35) 1,1-Dichloropropene	7.423	75	292707	51.152	ug/l	97
36) Ethyl Acetate	6.473	43	349699	51.046	ug/l	98
37) Carbon Tetrachloride	7.407	117	247263	53.056	ug/l	91
38) Methylcyclohexane	8.883	83	332091	50.699	ug/l	100
39) Benzene	7.702	78	1053003	51.099	ug/l	99
40) Methacrylonitrile	6.720	41	227756	53.496	ug/l	94

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) 1,2-Dichloroethane	7.789	62	270265	51.563	ug/l	100
42) Isopropyl Acetate	7.863	43	574086	52.116	ug/l	98
43) Trichloroethene	8.601	130	205026	51.735	ug/l	95
44) 1,2-Dichloropropane	8.915	63	256601	52.619	ug/l	96
45) Dibromomethane	9.018	93	148915	54.908	ug/l	96
46) Bromodichloromethane	9.239	83	303674	57.790	ug/l	94
47) Methyl methacrylate	9.028	41	272647	56.552	ug/l	98
48) 1,4-Dioxane	9.028	88	95641	1231.537	ug/l	89
50) 4-Methyl-2-Pentanone	9.916	43	1805844	314.012	ug/l	96
51) Toluene	10.103	92	598131	56.858	ug/l	98
52) t-1,3-Dichloropropene	10.363	75	287387	55.798	ug/l	94
53) cis-1,3-Dichloropropene	9.743	75	337048	54.558	ug/l	93
54) 1,1,2-Trichloroethane	10.568	97	231805	60.337	ug/l #	94
55) Ethyl methacrylate	10.430	69	374239	58.987	ug/l	98
56) 1,3-Dichloropropane	10.735	76	375735	57.418	ug/l	99
57) 2-Chloroethyl Vinyl ether	9.586	63	127622	364.000	ug/l	94
58) 2-Hexanone	10.793	43	1259592	324.896	ug/l	100
59) Dibromochloromethane	10.953	129	206326	63.458	ug/l	99
60) 1,2-Dibromoethane	11.068	107	198632	60.073	ug/l	100
63) Tetrachloroethene	10.651	164	170310	52.067	ug/l	93
64) Chlorobenzene	11.566	112	652497	52.362	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.656	131	188995	55.529	ug/l	97
66) Ethyl Benzene	11.659	91	1113133	53.498	ug/l	96
67) m/p-Xylenes	11.784	106	869934	104.650	ug/l	98
68) o-Xylene	12.156	106	427338	52.958	ug/l	99
69) Styrene	12.172	104	729493	54.098	ug/l	99
70) Bromoform	12.355	173	121407	63.027	ug/l #	100
72) Isopropylbenzene	12.500	105	1069457	52.281	ug/l	98
73) N-amyl acetate	12.297	43	432091	53.274	ug/l	97
74) 1,1,2,2-Tetrachloroethane	12.785	83	323764	53.945	ug/l	99
75) 1,2,3-Trichloropropane	12.840	75	253724m	53.334	ug/l	
76) Bromobenzene	12.814	156	249711	52.750	ug/l	96
77) n-propylbenzene	12.891	91	1301305	53.321	ug/l	99
78) 2-Chlorotoluene	12.984	91	695257	50.212	ug/l	98
79) 1,3,5-Trimethylbenzene	13.048	105	855644	53.491	ug/l	99
80) trans-1,4-Dichloro-2-b...	12.551	75	84395	51.669	ug/l	96
81) 4-Chlorotoluene	13.093	91	724089	51.191	ug/l	98
82) tert-Butylbenzene	13.350	119	789844	54.286	ug/l	97
83) 1,2,4-Trimethylbenzene	13.395	105	865692	54.673	ug/l	100
84) sec-Butylbenzene	13.549	105	1166332	54.054	ug/l	100
85) p-Isopropyltoluene	13.681	119	985099	55.993	ug/l	99
86) 1,3-Dichlorobenzene	13.674	146	511578	55.122	ug/l	98
87) 1,4-Dichlorobenzene	13.761	146	511265	54.885	ug/l	96
88) n-Butylbenzene	14.046	91	902233	55.641	ug/l	99
89) Hexachloroethane	14.351	117	139733	55.310	ug/l	92
90) 1,2-Dichlorobenzene	14.091	146	482744	55.382	ug/l	98
91) 1,2-Dibromo-3-Chloropr...	14.794	75	45633	57.098	ug/l	99
92) 1,2,4-Trichlorobenzene	15.555	180	306631	58.830	ug/l	98
93) Hexachlorobutadiene	15.676	225	95323	56.287	ug/l	99
94) Naphthalene	15.837	128	970246	60.745	ug/l	99
95) 1,2,3-Trichlorobenzene	16.058	180	296023	59.823	ug/l	100

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

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