

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU091825\
 Data File : VU063609.D
 Acq On : 18 Sep 2025 10:09
 Operator : MD/SY
 Sample : Q2899-02
 Misc : 25mL/MSVOA_U/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-WATER-QT3-2025-06

Quant Time: Sep 19 06:37:57 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR091725WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Sep 19 06:13:08 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 09/22/2025
 Supervised By :Mahesh Dadoda 09/22/2025

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

Internal Standards						
1) 1,4-Difluorobenzene	6.238	114	149197	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.409	117	137238	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	65913	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.589	65	35038	4.568	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	91.400%
7) Chloroethane-d5	1.898	69	34325	4.655	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	93.200%
11) 1,1-Dichloroethene-d2	2.550	65	15948	4.358	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	87.200%
20) 2-Butanone-d5	4.621	46	98117	44.453	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	88.900%
24) Chloroform-d	5.049	84	79591	4.342	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	86.800%
26) 1,2-Dichloroethane-d4	5.692	65	44825	4.586	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	91.800%
32) Benzene-d6	5.714	84	150202	4.558	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.200%
36) 1,2-Dichloropropane-d6	6.679	67	52474	4.920	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	98.400%
41) Toluene-d8	7.888	98	136522	4.617	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.400%
43) trans-1,3-Dichloroprop...	8.174	79	12685	4.344	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	86.800%
46) 2-Hexanone-d5	8.624	63	71426	46.432	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	92.860%
56) 1,1,2,2-Tetrachloroeth...	10.746	84	38585	4.487	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	89.800%
66) 1,2-Dichlorobenzene-d4	12.187	152	49003	4.785	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	95.800%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.380	85	2840	0.239	ug/L #	87
3) Chloromethane	1.512	50	3317	0.252	ug/L	96
5) Vinyl chloride	1.592	62	3832	0.272	ug/L	85
6) Bromomethane	1.840	94	2533	0.305	ug/L	87
8) Chloroethane	1.920	64	1883	0.217	ug/L	90
9) Trichlorofluoromethane	2.126	101	4223	0.229	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.567	101	2800	0.269	ug/L	91
12) 1,1-Dichloroethene	2.567	96	2396	0.248	ug/L #	1
14) Carbon disulfide	2.779	76	5999	0.235	ug/L	98
16) Methylene chloride	3.033	84	4116	0.364	ug/L	93
17) Methyl tert-butyl Ether	3.354	73	5129	0.216	ug/L	96
18) trans-1,2-Dichloroethene	3.351	96	2335	0.234	ug/L	95
19) 1,1-Dichloroethane	3.859	63	4462	0.220	ug/L #	81
21) 2-Butanone	4.734	43	9373m	3.333	ug/L	
22) cis-1,2-Dichloroethene	4.660	96	2547m	0.225	ug/L	
23) Bromochloromethane	4.968	128	930	0.185	ug/L	92
25) Chloroform	5.084	83	5311	0.255	ug/L	99
27) 1,2-Dichloroethane	5.795	62	3426	0.248	ug/L #	76
30) Cyclohexane	5.370	56	4164	0.224	ug/L	91

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
31) Carbon tetrachloride	5.518	117	2387	0.194	ug/L	91
33) Benzene	5.763	78	10638	0.248	ug/L	100
35) Methylcyclohexane	6.750	83	4320	0.241	ug/L	96
37) 1,2-Dichloropropane	6.782	63	2751m	0.237	ug/L	
38) Bromodichloromethane	7.094	83	2635	0.212	ug/L #	94
39) cis-1,3-Dichloropropene	7.602	75	3092	0.235	ug/L	93
40) 4-Methyl-2-pentanone	7.788	43	14377	2.162	ug/L #	89
42) Toluene	7.965	91	11018	0.240	ug/L	97
44) trans-1,3-Dichloropropene	8.209	75	2931m	0.303	ug/L	
45) 1,1,2-Trichloroethane	8.396	97	1827	0.230	ug/L #	90
48) 2-Hexanone	8.679	43	21232m	4.552	ug/L	
49) Dibromochloromethane	8.801	129	1463	0.201	ug/L	96
50) 1,2-Dibromoethane	8.917	107	1527	0.215	ug/L #	96
51) Chlorobenzene	9.441	112	6825	0.229	ug/L	95
52) Ethylbenzene	9.566	91	11365	0.224	ug/L	100
53) m,p-Xylene	9.695	106	4355	0.229	ug/L	91
54) o-Xylene	10.097	106	3808	0.207	ug/L	95
55) Styrene	10.116	104	5857	0.194	ug/L #	79
57) 1,1,2,2-Tetrachloroethane	10.769	83	2362	0.249	ug/L #	92
59) Bromoform	10.283	173	787	0.221	ug/L #	92
60) Isopropylbenzene	10.479	105	11149	0.235	ug/L	99
61) 1,2,3-Trichloropropane	10.817	75	1581	0.242	ug/L	90
62) 1,3,5-Trimethylbenzene	11.084	105	8712	0.226	ug/L	98
63) 1,2,4-Trimethylbenzene	11.463	105	8232	0.224	ug/L	94
64) 1,3-Dichlorobenzene	11.746	146	5056	0.238	ug/L	96
65) 1,4-Dichlorobenzene	11.830	146	5739	0.268	ug/L	98
67) 1,2-Dichlorobenzene	12.203	146	4853	0.245	ug/L #	91
68) 1,2-Dibromo-3-chloropr...	12.997	75	220m	0.218	ug/L	
69) 1,3,5-Trichlorobenzene	13.219	180	4018m	0.253	ug/L	
70) 1,2,4-trichlorobenzene	13.843	180	3596	0.293	ug/L	96
71) Naphthalene	14.100	128	6584m	0.359	ug/L	
72) 1,2,3-Trichlorobenzene	14.331	180	2998	0.285	ug/L	98

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

