

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU120524\
 Data File : VU062093.D
 Acq On : 05 Dec 2024 11:44
 Operator : MD/SY
 Sample : P4776-02
 Misc : 5mL/MSVOA_U/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-WATER-QT4-2024-08

Quant Time: Dec 06 00:52:58 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM112724WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Dec 06 00:44:17 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 12/06/2024
 Supervised By :Semsettin Yesilyurt 12/06/2024

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

Internal Standards						
1) 1,4-Difluorobenzene	6.239	114	164573	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.409	117	153690	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.804	152	73392	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	46845	41.083	ug/L	0.00
Spiked Amount 50.000	Range 60	- 135	Recovery	=	82.160%	
7) Chloroethane-d5	1.901	69	36662	44.612	ug/L	0.00
Spiked Amount 50.000	Range 70	- 130	Recovery	=	89.220%	
11) 1,1-Dichloroethene-d2	2.557	63	71943	33.277	ug/L	0.00
Spiked Amount 50.000	Range 60	- 125	Recovery	=	66.560%	
21) 2-Butanone-d5	4.618	46	70806	91.379	ug/L	0.00
Spiked Amount 100.000	Range 40	- 130	Recovery	=	91.380%	
24) Chloroform-d	5.052	84	107067	44.988	ug/L	0.00
Spiked Amount 50.000	Range 70	- 125	Recovery	=	89.980%	
26) 1,2-Dichloroethane-d4	5.692	65	73713	48.550	ug/L	0.00
Spiked Amount 50.000	Range 70	- 125	Recovery	=	97.100%	
32) Benzene-d6	5.718	84	202553	46.088	ug/L	0.00
Spiked Amount 50.000	Range 70	- 125	Recovery	=	92.180%	
36) 1,2-Dichloropropane-d6	6.682	67	64854	46.957	ug/L	0.00
Spiked Amount 50.000	Range 70	- 120	Recovery	=	93.920%	
41) Toluene-d8	7.891	98	186597	45.863	ug/L	0.00
Spiked Amount 50.000	Range 80	- 120	Recovery	=	91.720%	
43) trans-1,3-Dichloroprop...	8.171	79	32593	47.220	ug/L	0.00
Spiked Amount 50.000	Range 60	- 125	Recovery	=	94.440%	
47) 2-Hexanone-d5	8.627	63	47254	90.827	ug/L	0.00
Spiked Amount 100.000	Range 45	- 130	Recovery	=	90.830%	
56) 1,1,2,2-Tetrachloroeth...	10.746	84	91926	45.737	ug/L	0.00
Spiked Amount 50.000	Range 65	- 120	Recovery	=	91.480%	
66) 1,2-Dichlorobenzene-d4	12.187	152	72693	50.348	ug/L	0.00
Spiked Amount 50.000	Range 80	- 120	Recovery	=	100.700%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.380	85	3410	2.170	ug/L	97
3) Chloromethane	1.515	50	3291	2.542	ug/L	93
5) Vinyl chloride	1.599	62	2850	2.134	ug/L #	53
6) Bromomethane	1.843	94	1707	2.327	ug/L	89
8) Chloroethane	1.924	64	2309m	3.001	ug/L	
9) Trichlorofluoromethane	2.129	101	4127	2.021	ug/L	97
10) 1,1,2-Trichloro-1,2,2-...	2.570	101	3288	2.872	ug/L #	70
12) 1,1-Dichloroethene	2.570	96	2857	2.744	ug/L #	1
13) Acetone	2.625	43	3892	4.194	ug/L	88
14) Carbon disulfide	2.782	76	6444	2.057	ug/L	100
15) Methyl Acetate	2.952	43	2407	2.103	ug/L #	70
16) Methylene chloride	3.039	84	2708	2.281	ug/L	90
17) trans-1,2-Dichloroethene	3.351	96	2313	2.161	ug/L	91
18) Methyl tert-butyl Ether	3.361	73	7744	2.147	ug/L	98
19) 1,1-Dichloroethane	3.866	63	4368	2.130	ug/L	89
20) cis-1,2-Dichloroethene	4.669	96	2864m	2.349	ug/L	
22) 2-Butanone	4.724	43	4326m	4.323	ug/L	
23) Bromochloromethane	4.972	128	1323	2.087	ug/L	94
25) Chloroform	5.081	83	5242	2.355	ug/L	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.788	62	4332m	2.437	ug/L	
29) Cyclohexane	5.377	56	3385	1.928	ug/L	89
30) 1,1,1-Trichloroethane	5.309	97	4048	2.036	ug/L	97
31) Carbon tetrachloride	5.518	117	3613	2.034	ug/L	98
33) Benzene	5.769	78	9995	2.186	ug/L	100
34) Trichloroethene	6.538	95	2660	2.130	ug/L	97
35) Methylcyclohexane	6.753	83	3939	2.081	ug/L	88
37) 1,2-Dichloropropane	6.788	63	2818	2.329	ug/L #	88
38) Bromodichloromethane	7.100	83	3458	2.121	ug/L #	97
39) cis-1,3-Dichloropropene	7.602	75	4495	2.300	ug/L	98
40) 4-Methyl-2-pentanone	7.788	43	6073	4.017	ug/L	98
42) Toluene	7.965	91	10602	2.169	ug/L	98
44) trans-1,3-Dichloropropene	8.206	75	5464	3.024	ug/L	98
45) 1,1,2-Trichloroethane	8.393	97	2656	2.212	ug/L	89
46) Tetrachloroethene	8.547	164	1960	2.066	ug/L	96
48) 2-Hexanone	8.682	43	8806m	6.910	ug/L	
49) Dibromochloromethane	8.798	129	2547	2.030	ug/L	92
50) 1,2-Dibromoethane	8.920	107	2842	2.178	ug/L #	94
51) Chlorobenzene	9.441	112	7144	2.313	ug/L	96
52) Ethylbenzene	9.566	91	10937	2.036	ug/L	96
53) m,p-Xylene	9.692	106	3624	1.825	ug/L	94
54) o-Xylene	10.097	106	3764	1.937	ug/L	96
55) Styrene	10.116	104	5757	1.761	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.772	83	4532	2.287	ug/L #	91
59) Bromoform	10.287	173	1835	1.983	ug/L #	96
60) 1,2,3-Trichloropropane	10.814	75	3634	2.423	ug/L #	90
61) Isopropylbenzene	10.480	105	9770	1.977	ug/L	98
62) 1,3,5-Trimethylbenzene	11.084	105	8294	1.971	ug/L	97
63) 1,2,4-Trimethylbenzene	11.463	105	7922	1.956	ug/L	95
64) 1,3-Dichlorobenzene	11.743	146	4771	2.089	ug/L	93
65) 1,4-Dichlorobenzene	11.833	146	4958	2.139	ug/L	90
67) 1,2-Dichlorobenzene	12.203	146	5278	2.340	ug/L	95
68) 1,2-Dibromo-3-chloropr...	12.994	75	812m	1.921	ug/L	
69) 1,3,5-Trichlorobenzene	13.219	180	2271	1.413	ug/L #	69
70) 1,2,4-trichlorobenzene	13.846	180	2404	1.752	ug/L #	73
71) Naphthalene	14.097	128	5155	1.386	ug/L #	76
72) 1,2,3-Trichlorobenzene	14.331	180	1886	1.424	ug/L	87

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

