

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU052424\
 Data File : VU058967.D
 Acq On : 24 May 2024 13:42
 Operator : MD/SY
 Sample : P2409-02
 Misc : 5.00g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-WATER-QT2-2024-04

Quant Time: May 24 22:41:01 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM052324WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri May 24 22:25:41 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 05/27/2024
 Supervised By :Mahesh Dadoda 05/27/2024

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

Internal Standards						
1) 1,4-Difluorobenzene	6.242	114	177526	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	175269	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	72679	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	89818	47.837	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	95.680%		
7) Chloroethane-d5	1.908	69	97276	62.339	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	124.680%		
11) 1,1-Dichloroethene-d2	2.557	63	114369	39.869	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	79.740%		
21) 2-Butanone-d5	4.621	46	145396	112.735	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	112.730%		
24) Chloroform-d	5.052	84	160113	49.716	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	99.440%		
26) 1,2-Dichloroethane-d4	5.692	65	103110	52.350	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	104.700%		
32) Benzene-d6	5.718	84	327857	54.869	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	109.740%		
36) 1,2-Dichloropropane-d6	6.682	67	108846	55.151	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	110.300%		
41) Toluene-d8	7.891	98	271220	50.639	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	101.280%		
43) trans-1,3-Dichloroprop...	8.174	79	42827	48.326	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	96.660%		
47) 2-Hexanone-d5	8.631	63	87926	107.719	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	107.720%		
56) 1,1,2,2-Tetrachloroeth...	10.750	84	159927	53.863	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	107.720%		
66) 1,2-Dichlorobenzene-d4	12.187	152	86033	57.369	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	114.740%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.380	85	3291	2.771	ug/L	91
3) Chloromethane	1.515	50	4113	3.232	ug/L	82
5) Vinyl chloride	1.599	62	4203	2.828	ug/L #	68
6) Bromomethane	1.853	94	2352	2.670	ug/L	88
8) Chloroethane	1.924	64	4319	4.237	ug/L	97
9) Trichlorofluoromethane	2.126	101	5605	2.773	ug/L	94
10) 1,1,2-Trichloro-1,2,2-...	2.570	101	4325	3.147	ug/L #	68
12) 1,1-Dichloroethene	2.570	96	3764	3.423	ug/L #	1
13) Acetone	2.641	43	6209	5.460	ug/L	98
14) Carbon disulfide	2.782	76	5598	2.706	ug/L	97
15) Methyl Acetate	2.953	43	5548	3.028	ug/L #	76
16) Methylene chloride	3.033	84	5814	3.314	ug/L	95
17) trans-1,2-Dichloroethene	3.348	96	2961m	2.680	ug/L	
18) Methyl tert-butyl Ether	3.354	73	11986	2.741	ug/L #	93
19) 1,1-Dichloroethane	3.856	63	7691m	2.733	ug/L	
20) cis-1,2-Dichloroethene	4.657	96	3926	2.685	ug/L	97
22) 2-Butanone	4.727	43	6738	4.549	ug/L	74
23) Bromochloromethane	4.972	128	1974	2.589	ug/L	95
27) 1,2-Dichloroethane	5.792	62	6431	2.835	ug/L	96

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29) Cyclohexane	5.377	56	3623m	2.429	ug/L	
30) 1,1,1-Trichloroethane	5.309	97	5654	2.688	ug/L	95
31) Carbon tetrachloride	5.518	117	4768	2.806	ug/L	93
34) Trichloroethene	6.534	95	5969	4.268	ug/L	89
35) Methylcyclohexane	6.759	83	4209	2.568	ug/L	92
37) 1,2-Dichloropropane	6.785	63	4977	2.906	ug/L #	93
38) Bromodichloromethane	7.100	83	6460	3.035	ug/L	94
39) cis-1,3-Dichloropropene	7.602	75	5919	2.509	ug/L	93
40) 4-Methyl-2-pentanone	7.792	43	14209	5.821	ug/L	98
42) Toluene	7.965	91	14835	2.627	ug/L	87
44) trans-1,3-Dichloropropene	8.210	75	6637	2.972	ug/L	96
45) 1,1,2-Trichloroethane	8.396	97	4620	2.733	ug/L	92
46) Tetrachloroethene	8.550	164	2564	2.750	ug/L	91
48) 2-Hexanone	8.685	43	14894	7.410	ug/L	97
49) Dibromochloromethane	8.804	129	4252	2.632	ug/L	93
50) 1,2-Dibromoethane	8.923	107	4427	2.740	ug/L #	97
51) Chlorobenzene	9.441	112	10283	2.754	ug/L	98
52) Ethylbenzene	9.566	91	15034	2.460	ug/L	95
53) m,p-Xylene	9.692	106	5024	2.288	ug/L	96
54) o-Xylene	10.097	106	5162	2.349	ug/L	95
55) Styrene	10.116	104	7666m	1.953	ug/L	
57) 1,1,2,2-Tetrachloroethane	10.775	83	9852	3.234	ug/L #	99
59) Bromoform	10.287	173	3398	3.527	ug/L #	91
60) 1,2,3-Trichloropropane	10.817	75	6934	3.749	ug/L	94
61) Isopropylbenzene	10.480	105	12856	2.770	ug/L	99
62) 1,3,5-Trimethylbenzene	11.087	105	9301	2.544	ug/L	96
63) 1,2,4-Trimethylbenzene	11.463	105	9241	2.506	ug/L	95
64) 1,3-Dichlorobenzene	11.743	146	5987	2.485	ug/L	99
65) 1,4-Dichlorobenzene	11.833	146	6164	2.533	ug/L	79
67) 1,2-Dichlorobenzene	12.203	146	7420	3.028	ug/L	95
68) 1,2-Dibromo-3-chloropr...	12.994	75	1533	3.064	ug/L	96
69) 1,3,5-Trichlorobenzene	13.222	180	4213	2.482	ug/L #	87
70) 1,2,4-trichlorobenzene	13.843	180	3184	2.178	ug/L	88
71) Naphthalene	14.094	128	8503m	1.994	ug/L	
72) 1,2,3-Trichlorobenzene	14.328	180	3349	2.237	ug/L	97

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

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