

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU022724\
 Data File : VU057952.D
 Acq On : 27 Feb 2024 13:32
 Operator : MD/SY
 Sample : P1601-01
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-WATER-QT1-2024-01

Quant Time: Feb 28 00:47:54 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM021924WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Feb 28 00:40:01 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 02/28/2024
 Supervised By :Semsettin Yesilyurt 02/28/2024

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

Internal Standards						
1) 1,4-Difluorobenzene	6.242	114	271876	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	263969	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	120325	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.592	65	72656	36.913	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	73.820%		
7) Chloroethane-d5	1.904	69	61408	42.210	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	84.420%		
11) 1,1-Dichloroethene-d2	2.557	63	108082	29.464	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	58.920%#		
21) 2-Butanone-d5	4.612	46	87260	116.679	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	116.680%		
24) Chloroform-d	5.052	84	149676	44.845	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	89.700%		
26) 1,2-Dichloroethane-d4	5.692	65	97547	46.623	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	93.240%		
32) Benzene-d6	5.718	84	295748	44.707	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	89.420%		
36) 1,2-Dichloropropane-d6	6.682	67	98994	46.344	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	92.680%		
41) Toluene-d8	7.891	98	257931	43.073	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	86.140%		
43) trans-1,3-Dichloroprop...	8.174	79	43762	43.022	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	86.040%		
47) 2-Hexanone-d5	8.627	63	62637	76.277	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	76.280%		
56) 1,1,2,2-Tetrachloroeth...	10.750	84	123233	41.809	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	83.620%		
66) 1,2-Dichlorobenzene-d4	12.190	152	91046	46.730	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	93.460%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.377	85	5171	1.735	ug/L	95
3) Chloromethane	1.515	50	5226	1.724	ug/L	94
5) Vinyl chloride	1.596	62	5333	1.782	ug/L #	77
6) Bromomethane	1.850	94	3051	2.611	ug/L	71
8) Chloroethane	1.927	64	3232	1.847	ug/L	99
9) Trichlorofluoromethane	2.132	101	6550	1.789	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.573	101	4926	2.315	ug/L #	83
12) 1,1-Dichloroethene	2.570	96	4538	2.305	ug/L #	1
14) Carbon disulfide	2.785	76	11801	1.832	ug/L	98
15) Methyl Acetate	2.949	43	3597	1.596	ug/L	94
16) Methylene chloride	3.036	84	4990	1.945	ug/L	94
17) trans-1,2-Dichloroethene	3.345	96	3770	1.846	ug/L	96
18) Methyl tert-butyl Ether	3.354	73	12699	1.786	ug/L	97
19) 1,1-Dichloroethane	3.859	63	7435	1.756	ug/L	98
20) cis-1,2-Dichloroethene	4.660	96	4383	1.871	ug/L	92
22) 2-Butanone	4.718	43	5885m	3.508	ug/L	
23) Bromochloromethane	4.968	128	1901	1.670	ug/L	91
27) 1,2-Dichloroethane	5.788	62	6247	1.796	ug/L	97
29) Cyclohexane	5.380	56	6554	1.687	ug/L	96

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

30) 1,1,1-Trichloroethane	5.309	97	6247	1.756	ug/L	98
31) Carbon tetrachloride	5.515	117	5255	1.720	ug/L	96
34) Trichloroethene	6.534	95	4470	1.889	ug/L	87
35) Methylcyclohexane	6.756	83	7178	1.867	ug/L	91
37) 1,2-Dichloropropane	6.785	63	5036	1.938	ug/L #	93
38) Bromodichloromethane	7.100	83	5254	1.684	ug/L	98
39) cis-1,3-Dichloropropene	7.605	75	7047	1.775	ug/L	91
42) Toluene	7.965	91	17054	1.790	ug/L	96
44) trans-1,3-Dichloropropene	8.209	75	6390m	1.734	ug/L	
45) 1,1,2-Trichloroethane	8.396	97	4158	1.801	ug/L	82
46) Tetrachloroethene	8.550	164	2900	1.781	ug/L	91
49) Dibromochloromethane	8.801	129	3874	1.685	ug/L	98
50) 1,2-Dibromoethane	8.920	107	4105	1.689	ug/L #	94
51) Chlorobenzene	9.444	112	11130	1.837	ug/L	96
52) Ethylbenzene	9.566	91	18361	1.719	ug/L	99
53) m,p-Xylene	9.692	106	6723	1.730	ug/L	84
54) o-Xylene	10.097	106	5933	1.545	ug/L	96
55) Styrene	10.116	104	9797	1.488	ug/L	96
57) 1,1,1,2-Tetrachloroethane	10.778	83	6610	1.681	ug/L	98
60) 1,2,3-Trichloropropane	10.820	75	4681	1.679	ug/L	93
61) Isopropylbenzene	10.483	105	16716	1.778	ug/L	99
62) 1,3,5-Trimethylbenzene	11.084	105	12363	1.526	ug/L	99
63) 1,2,4-Trimethylbenzene	11.470	105	12247	1.504	ug/L	98
64) 1,3-Dichlorobenzene	11.743	146	7549	1.816	ug/L	94
65) 1,4-Dichlorobenzene	11.833	146	8092	1.911	ug/L	94
67) 1,2-Dichlorobenzene	12.206	146	7387	1.806	ug/L	91
68) 1,2-Dibromo-3-chloropr...	12.997	75	983m	1.485	ug/L	
69) 1,3,5-Trichlorobenzene	13.219	180	4484	1.603	ug/L #	83
70) 1,2,4-trichlorobenzene	13.846	180	3081m	1.368	ug/L	
72) 1,2,3-Trichlorobenzene	14.331	180	3729	1.803	ug/L	91

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

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