

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU071723\
 Data File : VU054796.D
 Acq On : 17 Jul 2023 16:31
 Operator : MD/SY
 Sample : 03573-01
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-WATER-QT3-2023-05

Quant Time: Jul 18 06:08:31 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM071723WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Jul 18 05:50:33 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 07/18/2023
 Supervised By : Mahesh Dadoda 07/18/2023

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

Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	238477	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	227071	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.810	152	118889	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.595	65	86182	46.757	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	93.520%		
7) Chloroethane-d5	1.878	69	83902	45.505	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	91.000%		
11) 1,1-Dichloroethene-d2	2.550	63	85650	32.395	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	64.780%		
21) 2-Butanone-d5	4.618	46	117747	99.386	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	99.390%		
24) Chloroform-d	5.055	84	125276	43.663	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	87.320%		
26) 1,2-Dichloroethane-d4	5.695	65	80098	46.620	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	93.240%		
32) Benzene-d6	5.721	84	254671	47.084	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	94.160%		
36) 1,2-Dichloropropane-d6	6.685	67	87310	47.938	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	95.880%		
41) Toluene-d8	7.894	98	242491	47.047	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	94.100%		
43) trans-1,3-Dichloroprop...	8.177	79	42074	45.159	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	90.320%		
47) 2-Hexanone-d5	8.630	63	83874	97.423	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	97.420%		
56) 1,1,2,2-Tetrachloroeth...	10.753	84	149505	44.691	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	89.380%		
66) 1,2-Dichlorobenzene-d4	12.190	152	100653	49.268	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	98.540%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.380	85	2398	1.331	ug/L	99
3) Chloromethane	1.518	50	4920m	2.394	ug/L	
5) Vinyl chloride	1.602	62	4569	1.710	ug/L #	64
6) Bromomethane	1.824	94	3943	2.424	ug/L	89
8) Chloroethane	1.901	64	3172	1.716	ug/L	85
9) Trichlorofluoromethane	2.116	101	7180	1.679	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.560	101	3300	2.091	ug/L #	58
12) 1,1-Dichloroethene	2.563	96	3226	2.174	ug/L #	1
13) Acetone	2.628	43	4532m	4.548	ug/L	
14) Carbon disulfide	2.782	76	5506	1.271	ug/L	99
15) Methyl Acetate	2.946	43	3615	2.175	ug/L #	85
17) trans-1,2-Dichloroethene	3.338	96	2468	1.607	ug/L	83
18) Methyl tert-butyl Ether	3.354	73	9009	1.695	ug/L #	84
19) 1,1-Dichloroethane	3.859	63	4680	1.597	ug/L	93
20) cis-1,2-Dichloroethene	4.653	96	2904m	1.591	ug/L	
22) 2-Butanone	4.724	43	5156m	3.748	ug/L	
23) Bromochloromethane	4.962	128	1626m	1.751	ug/L	
25) Chloroform	5.074	83	6948	2.261	ug/L	88
27) 1,2-Dichloroethane	5.791	62	4332	1.856	ug/L	95

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU071723\
 Data File : VU054796.D
 Acq On : 17 Jul 2023 16:31
 Operator : MD/SY
 Sample : 03573-01
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-WATER-QT3-2023-05

Quant Time: Jul 18 06:08:31 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM071723WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Jul 18 05:50:33 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :John Carlone 07/18/2023
 Supervised By :Mahesh Dadoda 07/18/2023

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
29) Cyclohexane	5.383	56	3823	1.531	ug/L	94
30) 1,1,1-Trichloroethane	5.309	97	4661	1.850	ug/L	93
31) Carbon tetrachloride	5.525	117	3647	1.676	ug/L	94
33) Benzene	5.772	78	11189m	1.720	ug/L	
34) Trichloroethene	6.544	95	3184m	1.923	ug/L	
35) Methylcyclohexane	6.759	83	3996m	1.476	ug/L	
37) 1,2-Dichloropropane	6.788	63	3087	1.725	ug/L #	88
38) Bromodichloromethane	7.106	83	4073	1.774	ug/L	90
39) cis-1,3-Dichloropropene	7.605	75	5341	1.810	ug/L	92
40) 4-Methyl-2-pentanone	7.791	43	9175	3.349	ug/L	93
42) Toluene	7.968	91	11703	1.608	ug/L	98
44) trans-1,3-Dichloropropene	8.213	75	4141	1.494	ug/L	98
45) 1,1,2-Trichloroethane	8.396	97	3329	1.825	ug/L	86
46) Tetrachloroethene	8.550	164	1959	1.543	ug/L	84
49) Dibromochloromethane	8.807	129	3384	1.801	ug/L	79
50) 1,2-Dibromoethane	8.923	107	3398	1.731	ug/L #	97
51) Chlorobenzene	9.444	112	7783	1.643	ug/L #	88
52) Ethylbenzene	9.569	91	14021	1.666	ug/L	93
53) m,p-Xylene	9.695	106	6209	1.938	ug/L	93
54) o-Xylene	10.097	106	5038	1.548	ug/L	93
55) Styrene	10.113	104	8962	1.581	ug/L	83
57) 1,1,2,2-Tetrachloroethane	10.778	83	7202	2.000	ug/L	93
59) Bromoform	10.286	173	1435m	0.965	ug/L	
60) 1,2,3-Trichloropropane	10.820	75	4317	1.861	ug/L #	89
61) Isopropylbenzene	10.483	105	12625	1.607	ug/L	95
62) 1,3,5-Trimethylbenzene	11.087	105	10088	1.559	ug/L	100
63) 1,2,4-Trimethylbenzene	11.470	105	9686	1.511	ug/L	98
64) 1,3-Dichlorobenzene	11.746	146	5801	1.592	ug/L	85
65) 1,4-Dichlorobenzene	11.833	146	6744	1.838	ug/L	96
67) 1,2-Dichlorobenzene	12.209	146	6628	1.811	ug/L #	80
68) 1,2-Dibromo-3-chloropr...	13.000	75	1348	2.174	ug/L #	1
69) 1,3,5-Trichlorobenzene	13.225	180	3298	1.350	ug/L #	61
71) Naphthalene	14.090	128	13819	1.997	ug/L #	88

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU071723\
Data File : VU054796.D
Acq On : 17 Jul 2023 16:31
Operator : MD/SY
Sample : 03573-01
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT3-2023-05

Quant Time: Jul 18 06:08:31 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM071723WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Jul 18 05:50:33 2023
Response via : Initial Calibration

Manual Integrations
APPROVED

Reviewed By :John Carlone 07/18/2023
Supervised By :Mahesh Dadoda 07/18/2023

