Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU090723\
Data File : VU055206.D
Acq On : 07 Sep 2023 23:44
Operator : MD/SY
Sample : 04306-05
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 32 Sample Multiplier: 1

Quant Time: Sep 08 06:37:17 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR090123WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Fri Sep 08 06:18:43 2023
Response via : Initial Calibration

Instrument :
MSVOA_U
ClientSampleId :
BH4H7

Manual Integrations APPROVED

Reviewed By :John Carlone 09/08/2023
Supervised By :Mahesh Dadoda 09/14/2023

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	6.306	114	219870	5.000	ug/L	0.06
28) Chlorobenzene-d5	9.425	117	232507	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.814	152	135004	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.592	65	256373	24.879	ug/L	0.00
Spiked Amount 5.000	Range 40 - 130		Recovery = 497.600%#			
7) Chloroethane-d5	1.911	69	36459	3.057	ug/L	0.00
Spiked Amount 5.000	Range 65 - 130		Recovery = 61.200%#			
11) 1,1-Dichloroethene-d2	2.579	65	23101m	3.934	ug/L	0.02
Spiked Amount 5.000	Range 60 - 125		Recovery = 78.600%			
20) 2-Butanone-d5	0.000	46	0d	0.000	ug/L	
Spiked Amount 50.000	Range 40 - 130		Recovery = 0.000%#			
24) Chloroform-d	5.155	84	131739	4.818	ug/L	0.09
Spiked Amount 5.000	Range 70 - 125		Recovery = 96.400%			
26) 1,2-Dichloroethane-d4	5.759	65	65194	4.765	ug/L	0.06
Spiked Amount 5.000	Range 70 - 130		Recovery = 95.400%			
32) Benzene-d6	5.788	84	242897	4.232	ug/L	0.06
Spiked Amount 5.000	Range 70 - 125		Recovery = 84.600%			
36) 1,2-Dichloropropane-d6	6.708	67	142730	7.819	ug/L	0.02
Spiked Amount 5.000	Range 60 - 140		Recovery = 156.400%#			
41) Toluene-d8	7.920	98	229815	4.347	ug/L	0.02
Spiked Amount 5.000	Range 70 - 130		Recovery = 87.000%			
43) trans-1,3-Dichloroprop...	8.196	79	27046	5.380	ug/L	0.02
Spiked Amount 5.000	Range 55 - 130		Recovery = 107.600%			
46) 2-Hexanone-d5	8.647	63	113458	55.594	ug/L	0.02
Spiked Amount 50.000	Range 45 - 130		Recovery = 111.180%			
56) 1,1,2,2-Tetrachloroeth...	10.759	84	69759	5.434	ug/L	0.00
Spiked Amount 5.000	Range 65 - 120		Recovery = 108.600%			
66) 1,2-Dichlorobenzene-d4	12.193	152	85638	4.346	ug/L	0.00
Spiked Amount 5.000	Range 80 - 120		Recovery = 87.000%			
Target Compounds						Qvalue
5) Vinyl chloride	1.586	62	20995863m	1530.089	ug/L	
12) 1,1-Dichloroethene	2.595	96	3318933	326.507	ug/L #	71
16) Methylene chloride	3.058	84	22606m	1.455	ug/L	
18) trans-1,2-Dichloroethene	3.380	96	16237271	1574.424	ug/L	97
22) cis-1,2-Dichloroethene	4.640	96	176124367m	13951.151	ug/L	
25) Chloroform	5.174	83	317016	13.657	ug/L	98
27) 1,2-Dichloroethane	5.846	62	223037	15.742	ug/L	95
30) Cyclohexane	5.451	56	107042	5.985	ug/L	97
33) Benzene	5.833	78	854545	17.269	ug/L	100
34) Trichloroethene	6.553	95	87969932m	6396.592	ug/L	
35) Methylcyclohexane	6.824	83	370661m	19.209	ug/L	
40) 4-Methyl-2-pentanone	7.817	43	16559	2.155	ug/L #	90
42) Toluene	7.991	91	262911	4.984	ug/L	97
45) 1,1,2-Trichloroethane	8.412	97	865573	95.389	ug/L	97
47) Tetrachloroethene	8.566	164	174494	18.358	ug/L	97
51) Chlorobenzene	9.454	112	178129	5.098	ug/L	97
52) Ethylbenzene	9.579	91	191878	3.251	ug/L	99
53) m,p-Xylene	9.704	106	58706	2.688	ug/L	96
54) o-Xylene	10.106	106	437086	20.338	ug/L	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
60) Isopropylbenzene	10.486	105	84723	1.346	ug/L	98
61) 1,2,3-Trichloropropane	10.823	75	13733	1.533	ug/L	99
62) 1,3,5-Trimethylbenzene	11.090	105	114837	2.193	ug/L	99
63) 1,2,4-Trimethylbenzene	11.470	105	475603	9.215	ug/L	98
64) 1,3-Dichlorobenzene	11.746	146	48509	1.605	ug/L	97
65) 1,4-Dichlorobenzene	11.836	146	713441	23.686	ug/L	98
67) 1,2-Dichlorobenzene	12.212	146	156073	5.508	ug/L	98
70) 1,2,4-trichlorobenzene	13.839	180	2697851	125.976	ug/L	97
72) 1,2,3-Trichlorobenzene	14.328	180	804660	43.289	ug/L	99

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

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