Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122024\
Data File : VU062555.D
Acq On : 21 Dec 2024 05:23
Operator : MD/SY
Sample : P5344-12
Misc : 25mL/MSVOA_U/WATER
ALS Vial : 49 Sample Multiplier: 1

Quant Time: Dec 21 05:35:52 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR120924WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Fri Dec 20 23:41:56 2024
Response via : Initial Calibration

Instrument :
MSVOA_U
ClientSampleId :
C0CH0

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 12/23/2024
Supervised By :Mahesh Dadoda 12/24/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	6.541	114	99197m	5.000	ug/L	0.30
28) Chlorobenzene-d5	9.457	117	132532	5.000	ug/L	0.05
58) 1,4-Dichlorobenzene-d4	11.814	152	74122	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	27399	4.095	ug/L	0.00
Spiked Amount 5.000	Range 40 - 130		Recovery = 81.800%			
7) Chloroethane-d5	1.914	69	22924m	4.817	ug/L	0.00
Spiked Amount 5.000	Range 65 - 130		Recovery = 96.400%			
11) 1,1-Dichloroethene-d2	2.567	65	14526m	4.563	ug/L	0.00
Spiked Amount 5.000	Range 60 - 125		Recovery = 91.200%			
20) 2-Butanone-d5	4.650	46	61715m	48.128	ug/L	0.02
Spiked Amount 50.000	Range 40 - 130		Recovery = 96.260%			
24) Chloroform-d	5.100	84	102831m	7.101	ug/L	0.05
Spiked Amount 5.000	Range 70 - 125		Recovery = 142.000%#			
26) 1,2-Dichloroethane-d4	5.791	65	52974m	7.439	ug/L	0.10
Spiked Amount 5.000	Range 70 - 130		Recovery = 148.800%#			
32) Benzene-d6	5.827	84	155690m	4.079	ug/L	0.11
Spiked Amount 5.000	Range 70 - 125		Recovery = 81.600%			
36) 1,2-Dichloropropane-d6	0.000	67	0d	0.000	ug/L	
Spiked Amount 5.000	Range 60 - 140		Recovery = 0.000%#			
41) Toluene-d8	7.994	98	138245	3.834	ug/L	0.11
Spiked Amount 5.000	Range 70 - 130		Recovery = 76.600%			
43) trans-1,3-Dichloroprop...	8.258	79	21709	4.516	ug/L	0.08
Spiked Amount 5.000	Range 55 - 130		Recovery = 90.400%			
46) 2-Hexanone-d5	8.692	63	56459	38.928	ug/L	0.07
Spiked Amount 50.000	Range 45 - 130		Recovery = 77.860%			
56) 1,1,2,2-Tetrachloroeth...	10.766	84	34228	4.027	ug/L	0.02
Spiked Amount 5.000	Range 65 - 120		Recovery = 80.600%			
66) 1,2-Dichlorobenzene-d4	12.193	152	55689	4.077	ug/L	0.00
Spiked Amount 5.000	Range 80 - 120		Recovery = 81.600%			
Target Compounds						Qvalue
5) Vinyl chloride	1.599	62	66090	8.715	ug/L	95
9) Trichlorofluoromethane	2.126	101	60419837m	4590.487	ug/L	
12) 1,1-Dichloroethene	2.583	96	472375	70.528	ug/L #	78
16) Methylene chloride	3.046	84	1250412	177.847	ug/L	87
18) trans-1,2-Dichloroethene	3.357	96	430743m	62.594	ug/L	
19) 1,1-Dichloroethane	3.888	63	51288m	4.066	ug/L	
22) cis-1,2-Dichloroethene	4.682	96	3357776m	435.318	ug/L	
25) Chloroform	5.113	83	689203m	48.507	ug/L	
27) 1,2-Dichloroethane	5.827	62	328835m	36.420	ug/L	
29) 1,1,1-Trichloroethane	5.364	97	54118m	2.903	ug/L	
31) Carbon tetrachloride	5.576	117	208028m	12.168	ug/L	
34) Trichloroethene	6.537	95	241663488m	20771.996	ug/L	
38) Bromodichloromethane	7.271	83	11400	0.808	ug/L	93
40) 4-Methyl-2-pentanone	7.888	43	142801	30.464	ug/L #	93
42) Toluene	8.065	91	23420700	528.833	ug/L	96
45) 1,1,2-Trichloroethane	8.451	97	55771m	7.386	ug/L	
47) Tetrachloroethene	8.611	164	38490543m	4284.948	ug/L	
51) Chlorobenzene	9.486	112	580114	20.443	ug/L	99
52) Ethylbenzene	9.605	91	1954110	39.355	ug/L	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
53) m,p-Xylene	9.724	106	2714063	148.046	ug/L	93
54) o-Xylene	10.123	106	1418148	79.538	ug/L	96
60) Isopropylbenzene	10.499	105	478679	8.940	ug/L	99
62) 1,3,5-Trimethylbenzene	11.094	105	1247417	27.529	ug/L	98
63) 1,2,4-Trimethylbenzene	11.473	105	4662358	105.017	ug/L	98
65) 1,4-Dichlorobenzene	11.839	146	5353	0.216	ug/L	90
67) 1,2-Dichlorobenzene	12.212	146	15907	0.700	ug/L	96

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

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