Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122024\
Data File : VU062549.D
Acq On : 21 Dec 2024 02:56
Operator : MD/SY
Sample : P5344-06
Misc : 25mL/MSVOA_U/WATER
ALS Vial : 43 Sample Multiplier: 1

Quant Time: Dec 21 03:43:41 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 :
C0CE8

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	6.261	114	108886m	5.000	ug/L	0.02
28) Chlorobenzene-d5	9.434	117	114459	5.000	ug/L	0.03
58) 1,4-Dichlorobenzene-d4	11.807	152	63736	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.592	65	23000	3.132	ug/L	0.00
Spiked Amount 5.000	Range 40 - 130		Recovery = 62.600%			
7) Chloroethane-d5	1.911	69	19404m	3.714	ug/L	0.00
Spiked Amount 5.000	Range 65 - 130		Recovery = 74.200%			
11) 1,1-Dichloroethene-d2	2.567	65	11199	3.205	ug/L	0.00
Spiked Amount 5.000	Range 60 - 125		Recovery = 64.200%			
20) 2-Butanone-d5	4.647	46	53499m	38.009	ug/L	0.02
Spiked Amount 50.000	Range 40 - 130		Recovery = 76.020%			
24) Chloroform-d	5.078	84	72353	4.552	ug/L	0.03
Spiked Amount 5.000	Range 70 - 125		Recovery = 91.000%			
26) 1,2-Dichloroethane-d4	5.737	65	43578m	5.575	ug/L	0.05
Spiked Amount 5.000	Range 70 - 130		Recovery = 111.600%			
32) Benzene-d6	5.779	84	120192m	3.646	ug/L	0.06
Spiked Amount 5.000	Range 70 - 125		Recovery = 73.000%			
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	7.943	98	126058	4.048	ug/L	0.05
Spiked Amount 5.000	Range 70 - 130		Recovery = 81.000%			
43) trans-1,3-Dichloroprop...	8.222	79	18046	4.347	ug/L	0.05
Spiked Amount 5.000	Range 55 - 130		Recovery = 87.000%			
46) 2-Hexanone-d5	8.660	63	47382	37.828	ug/L	0.04
Spiked Amount 50.000	Range 45 - 130		Recovery = 75.660%			
56) 1,1,2,2-Tetrachloroeth...	10.756	84	29960	4.082	ug/L	0.00
Spiked Amount 5.000	Range 65 - 120		Recovery = 81.600%			
66) 1,2-Dichlorobenzene-d4	12.190	152	50354	4.287	ug/L	0.00
Spiked Amount 5.000	Range 80 - 120		Recovery = 85.800%			
Target Compounds						Qvalue
5) Vinyl chloride	1.599	62	44438	5.339	ug/L	100
9) Trichlorofluoromethane	2.129	101	34171657m	2365.221	ug/L	
12) 1,1-Dichloroethene	2.579	96	101140	13.757	ug/L	91
14) Carbon disulfide	2.795	76	32689	1.406	ug/L	97
16) Methylene chloride	3.042	84	750437	97.237	ug/L	87
18) trans-1,2-Dichloroethene	3.354	96	237347	31.422	ug/L	91
19) 1,1-Dichloroethane	3.885	63	24799	1.791	ug/L	96
22) cis-1,2-Dichloroethene	4.673	96	2300747	271.738	ug/L	94
25) Chloroform	5.097	83	415150	26.619	ug/L	99
27) 1,2-Dichloroethane	5.811	62	188887m	19.059	ug/L	
29) 1,1,1-Trichloroethane	5.351	97	28205m	1.752	ug/L	
31) Carbon tetrachloride	5.570	117	148341	10.047	ug/L	83
34) Trichloroethene	6.541	95	190504836m	18960.247	ug/L	
38) Bromodichloromethane	7.193	83	10158	0.834	ug/L #	97
40) 4-Methyl-2-pentanone	7.843	43	6471	1.598	ug/L #	84
42) Toluene	8.017	91	6294847	164.579	ug/L	98
45) 1,1,2-Trichloroethane	8.428	97	206318	31.639	ug/L	94
47) Tetrachloroethene	8.592	164	14259539	1838.094	ug/L	95
51) Chlorobenzene	9.463	112	233689	9.535	ug/L	98

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Quant Title : TRACE VOA SFAM1.0
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
52) Ethylbenzene	9.582	91	370812	8.647	ug/L	98
53) m,p-Xylene	9.701	106	341850	21.592	ug/L	93
54) o-Xylene	10.106	106	339036	22.018	ug/L	97
60) Isopropylbenzene	10.489	105	69987	1.520	ug/L	98
62) 1,3,5-Trimethylbenzene	11.087	105	74875	1.922	ug/L	96
63) 1,2,4-Trimethylbenzene	11.467	105	28568	0.748	ug/L	99

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

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