Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122724\
Data File : VU062615.D
Acq On : 27 Dec 2024 14:13
Operator : MD/SY
Sample : MDL02
Misc : 25mL/MSVOA_U/WATER
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Dec 27 21:58:50 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR120924WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Fri Dec 27 21:56:24 2024
Response via : Initial Calibration

Instrument :
MSVOA_U
ClientSampleId :
MDL02

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 12/30/2024
Supervised By :Semsettin Yesilyurt 12/30/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	6.239	114	107090	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.409	117	101151	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.804	152	49948	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.592	65	25247	3.495	ug/L	0.00
Spiked Amount 5.000	Range 40 - 130		Recovery = 70.000%			
7) Chloroethane-d5	1.904	69	20202	3.932	ug/L	0.00
Spiked Amount 5.000	Range 65 - 130		Recovery = 78.600%			
11) 1,1-Dichloroethene-d2	2.557	65	12993	3.781	ug/L	0.00
Spiked Amount 5.000	Range 60 - 125		Recovery = 75.600%			
20) 2-Butanone-d5	4.621	46	60159	43.457	ug/L	0.00
Spiked Amount 50.000	Range 40 - 130		Recovery = 86.920%			
24) Chloroform-d	5.049	84	65663	4.200	ug/L	0.00
Spiked Amount 5.000	Range 70 - 125		Recovery = 84.000%			
26) 1,2-Dichloroethane-d4	5.692	65	37930	4.934	ug/L	0.00
Spiked Amount 5.000	Range 70 - 130		Recovery = 98.600%			
32) Benzene-d6	5.714	84	117164	4.022	ug/L	0.00
Spiked Amount 5.000	Range 70 - 125		Recovery = 80.400%			
36) 1,2-Dichloropropane-d6	6.679	67	33394	4.006	ug/L	0.00
Spiked Amount 5.000	Range 60 - 140		Recovery = 80.200%			
41) Toluene-d8	7.888	98	113475	4.123	ug/L	0.00
Spiked Amount 5.000	Range 70 - 130		Recovery = 82.400%			
43) trans-1,3-Dichloroprop...	8.171	79	15504	4.226	ug/L	0.00
Spiked Amount 5.000	Range 55 - 130		Recovery = 84.600%			
46) 2-Hexanone-d5	8.624	63	55371	50.022	ug/L	0.00
Spiked Amount 50.000	Range 45 - 130		Recovery = 100.040%			
56) 1,1,2,2-Tetrachloroeth...	10.746	84	28266	4.358	ug/L	0.00
Spiked Amount 5.000	Range 65 - 120		Recovery = 87.200%			
66) 1,2-Dichlorobenzene-d4	12.187	152	42919	4.663	ug/L	0.00
Spiked Amount 5.000	Range 80 - 120		Recovery = 93.200%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.380	85	1720	0.171	ug/L	94
3) Chloromethane	1.515	50	1683	0.214	ug/L	96
5) Vinyl chloride	1.599	62	1647	0.201	ug/L #	67
6) Bromomethane	1.850	94	1060	0.194	ug/L	81
8) Chloroethane	1.927	64	885	0.193	ug/L	90
9) Trichlorofluoromethane	2.133	101	3256	0.229	ug/L	94
10) 1,1,2-Trichloro-1,2,2-...	2.570	101	2150	0.278	ug/L #	84
12) 1,1-Dichloroethene	2.567	96	1886	0.261	ug/L #	1
14) Carbon disulfide	2.785	76	4116	0.180	ug/L	98
16) Methylene chloride	3.043	84	1758m	0.232	ug/L	
17) Methyl tert-butyl Ether	3.358	73	4159	0.231	ug/L #	91
18) trans-1,2-Dichloroethene	3.351	96	1462	0.197	ug/L #	70
19) 1,1-Dichloroethane	3.856	63	2948	0.216	ug/L #	95
22) cis-1,2-Dichloroethene	4.669	96	1652m	0.198	ug/L	
23) Bromochloromethane	4.972	128	895	0.245	ug/L #	65
25) Chloroform	5.081	83	3452	0.225	ug/L	98
27) 1,2-Dichloroethane	5.792	62	2405	0.247	ug/L #	75
30) Cyclohexane	5.370	56	1861	0.161	ug/L #	76
31) Carbon tetrachloride	5.515	117	2961	0.227	ug/L	97

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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
33) Benzene	5.769	78	6473	0.206	ug/L		100
34) Trichloroethene	6.538	95	3514	0.396	ug/L		90
35) Methylcyclohexane	6.753	83	2353	0.179	ug/L		96
37) 1,2-Dichloropropane	6.785	63	1458	0.191	ug/L	#	87
38) Bromodichloromethane	7.097	83	2646	0.246	ug/L		89
39) cis-1,3-Dichloropropene	7.602	75	2753	0.225	ug/L		90
40) 4-Methyl-2-pentanone	7.785	43	7363	2.058	ug/L	#	85
42) Toluene	7.965	91	6918	0.205	ug/L		99
44) trans-1,3-Dichloropropene	8.213	75	2900m	0.290	ug/L		
45) 1,1,2-Trichloroethane	8.396	97	1301	0.226	ug/L		85
49) Dibromochloromethane	8.804	129	1453	0.209	ug/L		97
50) 1,2-Dibromoethane	8.920	107	1242	0.224	ug/L	#	95
51) Chlorobenzene	9.438	112	4902	0.226	ug/L		96
52) Ethylbenzene	9.563	91	8143	0.215	ug/L		87
53) m,p-Xylene	9.689	106	2823	0.202	ug/L		82
54) o-Xylene	10.097	106	2762	0.203	ug/L		95
55) Styrene	10.116	104	4474	0.199	ug/L		93
57) 1,1,2,2-Tetrachloroethane	10.772	83	1682	0.251	ug/L	#	89
59) Bromoform	10.287	173	1005	0.256	ug/L	#	84
60) Isopropylbenzene	10.476	105	7914	0.219	ug/L		98
61) 1,2,3-Trichloropropane	10.817	75	1035	0.224	ug/L	#	93
62) 1,3,5-Trimethylbenzene	11.081	105	5995	0.196	ug/L		94
63) 1,2,4-Trimethylbenzene	11.463	105	6072	0.203	ug/L		99
64) 1,3-Dichlorobenzene	11.743	146	3824	0.231	ug/L		90
65) 1,4-Dichlorobenzene	11.830	146	4105	0.246	ug/L		95
67) 1,2-Dichlorobenzene	12.206	146	3721	0.243	ug/L		96
68) 1,2-Dibromo-3-chloropr...	12.994	75	160m	0.159	ug/L		
69) 1,3,5-Trichlorobenzene	13.219	180	3005	0.244	ug/L	#	94
71) Naphthalene	14.100	128	3152m	0.216	ug/L		
72) 1,2,3-Trichlorobenzene	14.325	180	2136	0.249	ug/L	#	19

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

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