Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU012725\
Data File : VU063056.D
Acq On : 28 Jan 2025 08:33
Operator : MD/SY
Sample : Q1196-03MSD
Misc : 25mL/MSVOA_U/WATER
ALS Vial : 54 Sample Multiplier: 1

Quant Time: Jan 29 08:23:23 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR012725WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Wed Jan 29 08:16:38 2025
Response via : Initial Calibration

Instrument :
MSVOA_U
ClientSampleId :
E2964MSD

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 01/30/2025
Supervised By :Semsettin Yesilyurt 01/30/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	6.312	114	128378	5.000	ug/L	0.07
28) Chlorobenzene-d5	9.421	117	120477	5.000	ug/L	0.02
58) 1,4-Dichlorobenzene-d4	11.804	152	70410	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.669	65	11704	2.536	ug/L	0.07
Spiked Amount 5.000	Range 40 - 130		Recovery = 50.800%			
7) Chloroethane-d5	1.981	69	12180	3.476	ug/L	0.08
Spiked Amount 5.000	Range 65 - 130		Recovery = 69.600%			
11) 1,1-Dichloroethene-d2	2.644	65	7549	2.735	ug/L	0.09
Spiked Amount 5.000	Range 60 - 125		Recovery = 54.800%#			
20) 2-Butanone-d5	4.746	46	29200m	21.801	ug/L	0.14
Spiked Amount 50.000	Range 40 - 130		Recovery = 43.600%			
24) Chloroform-d	5.119	84	58577	3.195	ug/L	0.07
Spiked Amount 5.000	Range 70 - 125		Recovery = 64.000%#			
26) 1,2-Dichloroethane-d4	5.788	65	32738	3.128	ug/L	0.10
Spiked Amount 5.000	Range 70 - 130		Recovery = 62.600%#			
32) Benzene-d6	5.807	84	87731	3.187	ug/L	0.09
Spiked Amount 5.000	Range 70 - 125		Recovery = 63.800%#			
36) 1,2-Dichloropropane-d6	6.743	67	21609	3.083	ug/L	0.07
Spiked Amount 5.000	Range 60 - 140		Recovery = 61.600%			
41) Toluene-d8	7.923	98	91048	3.345	ug/L	0.04
Spiked Amount 5.000	Range 70 - 130		Recovery = 66.800%#			
43) trans-1,3-Dichloroprop...	8.200	79	13696	3.156	ug/L	0.03
Spiked Amount 5.000	Range 55 - 130		Recovery = 63.200%			
46) 2-Hexanone-d5	8.650	63	37792	34.902	ug/L	0.03
Spiked Amount 50.000	Range 45 - 130		Recovery = 69.800%			
56) 1,1,2,2-Tetrachloroeth...	10.753	84	21860	3.284	ug/L	0.00
Spiked Amount 5.000	Range 65 - 120		Recovery = 65.600%			
66) 1,2-Dichlorobenzene-d4	12.183	152	42793	3.395	ug/L	0.00
Spiked Amount 5.000	Range 80 - 120		Recovery = 68.000%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.454	85	40059	3.483	ug/L	100
3) Chloromethane	1.592	50	12883m	2.329	ug/L	
5) Vinyl chloride	1.676	62	19199	3.109	ug/L	93
6) Bromomethane	1.927	94	8636	2.923	ug/L	91
8) Chloroethane	2.001	64	14972	4.801	ug/L	91
9) Trichlorofluoromethane	2.210	101	55843	3.577	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.656	101	26398	3.436	ug/L #	84
12) 1,1-Dichloroethene	2.656	96	22321	3.347	ug/L	79
13) Acetone	2.782	43	42054	48.557	ug/L	61
14) Carbon disulfide	2.869	76	62702	3.670	ug/L	99
15) Methyl Acetate	3.068	43	8244	4.957	ug/L #	84
16) Methylene chloride	3.129	84	22618	3.217	ug/L	89
17) Methyl tert-butyl Ether	3.473	73	61032	3.055	ug/L	95
18) trans-1,2-Dichloroethene	3.438	96	24330	3.409	ug/L	90
19) 1,1-Dichloroethane	3.955	63	40638	3.285	ug/L	91
21) 2-Butanone	4.824	43	33748	28.570	ug/L	93
22) cis-1,2-Dichloroethene	4.724	96	26264	3.079	ug/L	91
23) Bromochloromethane	5.026	128	13867	3.240	ug/L #	77
25) Chloroform	5.145	83	64017	3.582	ug/L	100

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Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
27) 1,2-Dichloroethane	5.878	62	42822	3.418 ug/L #	96
29) 1,1,1-Trichloroethane	5.377	97	70591	3.779 ug/L	97
30) Cyclohexane	5.444	56	32652	3.752 ug/L #	76
31) Carbon tetrachloride	5.592	117	66837	3.716 ug/L	100
33) Benzene	5.852	78	128662	4.408 ug/L	100
34) Trichloroethene	6.595	95	47626	4.802 ug/L	93
35) Methylcyclohexane	6.807	83	47117	3.770 ug/L	93
37) 1,2-Dichloropropane	6.840	63	21958m	3.345 ug/L	
38) Bromodichloromethane	7.148	83	48390	3.679 ug/L	99
39) cis-1,3-Dichloropropene	7.637	75	45243	3.661 ug/L	99
40) 4-Methyl-2-pentanone	7.823	43	117531	37.113 ug/L #	92
42) Toluene	7.991	91	282784	8.151 ug/L	99
44) trans-1,3-Dichloropropene	8.229	75	41376	3.634 ug/L	100
45) 1,1,2-Trichloroethane	8.418	97	23471	3.799 ug/L	94
47) Tetrachloroethene	8.566	164	314472	36.455 ug/L	92
48) 2-Hexanone	8.701	43	77613m	35.333 ug/L	
49) Dibromochloromethane	8.820	129	37056	3.843 ug/L	93
50) 1,2-Dibromoethane	8.936	107	23671	3.793 ug/L #	87
51) Chlorobenzene	9.454	112	92746	3.855 ug/L	95
52) Ethylbenzene	9.573	91	217083	5.369 ug/L	99
53) m,p-Xylene	9.695	106	129597	8.300 ug/L	100
54) o-Xylene	10.100	106	99848	6.980 ug/L	96
55) Styrene	10.113	104	103853	4.294 ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.778	83	25080	3.628 ug/L #	96
59) Bromoform	10.290	173	25355	3.790 ug/L #	98
60) Isopropylbenzene	10.479	105	178067	3.991 ug/L	99
61) 1,2,3-Trichloropropane	10.817	75	18563	3.276 ug/L	91
62) 1,3,5-Trimethylbenzene	11.081	105	171141	4.375 ug/L	100
63) 1,2,4-Trimethylbenzene	11.460	105	207257	5.602 ug/L	99
64) 1,3-Dichlorobenzene	11.740	146	91950	4.059 ug/L	98
65) 1,4-Dichlorobenzene	11.830	146	89744	3.949 ug/L	99
67) 1,2-Dichlorobenzene	12.203	146	80797	3.791 ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.984	75	6481	4.325 ug/L #	66
69) 1,3,5-Trichlorobenzene	13.209	180	76732	4.240 ug/L	98
70) 1,2,4-trichlorobenzene	13.830	180	72393	5.112 ug/L	99
71) Naphthalene	14.074	128	643812	35.428 ug/L	99
72) 1,2,3-Trichlorobenzene	14.318	180	62514	5.109 ug/L	97

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

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