Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW091223\
Data File : VW027078.D
Acq On : 12 Sep 2023 19:07
Operator : SY/MD
Sample : VSTDCCC025EC
Misc : 5.00g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD025498

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 09/13/2023
Supervised By :Mahesh Dadoda 09/13/2023

Quant Time: Sep 13 03:10:17 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM090523SMA.M
Quant Title : SFAM01.0
QLast Update : Sat Sep 09 02:59:49 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	8.843	114	542401	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.629	117	553307	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.556	152	333599	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.369	65	156671	16.168	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 64.680%			
7) Chloroethane-d5	2.887	69	149490	19.114	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 76.440%			
11) 1,1-Dichloroethene-d2	4.027	65	72561	20.318	ug/L	0.00
Spiked Amount 25.000	Range 45 - 110		Recovery = 81.280%			
21) 2-Butanone-d5	7.075	46	88666	47.487	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 94.980%			
24) Chloroform-d	7.648	84	414729	25.696	ug/L	0.00
Spiked Amount 25.000	Range 40 - 150		Recovery = 102.800%			
26) 1,2-Dichloroethane-d4	8.307	65	206872	24.385	ug/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 97.560%			
32) Benzene-d6	8.276	84	854793	23.553	ug/L	0.00
Spiked Amount 25.000	Range 20 - 135		Recovery = 94.200%			
36) 1,2-Dichloropropane-d6	9.276	67	248157	23.291	ug/L	0.00
Spiked Amount 25.000	Range 70 - 120		Recovery = 93.160%			
41) Toluene-d8	10.319	98	761298	23.169	ug/L	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery = 92.680%			
43) trans-1,3-Dichloroprop...	10.581	79	94408	22.833	ug/L	0.00
Spiked Amount 25.000	Range 30 - 135		Recovery = 91.320%			
47) 2-Hexanone-d5	10.922	63	52692	52.973	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 105.940%			
56) 1,1,2,2-Tetrachloroeth...	12.690	84	229359	27.739	ug/L	0.00
Spiked Amount 25.000	Range 45 - 120		Recovery = 110.960%			
66) 1,2-Dichlorobenzene-d4	13.848	152	280206	24.286	ug/L	0.00
Spiked Amount 25.000	Range 75 - 120		Recovery = 97.160%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.015	85	140344m	22.493	ug/L	
3) Chloromethane	2.222	50	155287	16.500	ug/L	97
5) Vinyl chloride	2.375	62	190269	17.723	ug/L	97
6) Bromomethane	2.783	94	145259	20.502	ug/L	92
8) Chloroethane	2.930	64	128390	19.059	ug/L	100
9) Trichlorofluoromethane	3.259	101	133651	21.458	ug/L	96
10) 1,1,2-Trichloro-1,2,2-...	4.064	101	190632	24.645	ug/L	95
12) 1,1-Dichloroethene	4.051	96	175403	22.888	ug/L	94
13) Acetone	4.125	43	68376	41.823	ug/L	96
14) Carbon disulfide	4.393	76	489359	19.909	ug/L	97
15) Methyl Acetate	4.667	43	79822	23.483	ug/L #	88
16) Methylene chloride	4.923	84	277768	26.434	ug/L	91
17) trans-1,2-Dichloroethene	5.429	96	200059	23.852	ug/L	92
18) Methyl tert-butyl Ether	5.429	73	304381	26.061	ug/L	98
19) 1,1-Dichloroethane	6.216	63	381132	24.105	ug/L	98
20) cis-1,2-Dichloroethene	7.173	96	236437	25.615	ug/L	93
22) 2-Butanone	7.167	43	115201	43.793	ug/L	93
23) Bromochloromethane	7.514	128	106820	26.667	ug/L	87
25) Chloroform	7.679	83	404057	26.055	ug/L	93

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Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
27) 1,2-Dichloroethane	8.398	62	251037	25.612 ug/L	97
29) Cyclohexane	7.959	56	288909	20.027 ug/L	94
30) 1,1,1-Trichloroethane	7.874	97	306028	24.417 ug/L	97
31) Carbon tetrachloride	8.069	117	276319	24.736 ug/L	99
33) Benzene	8.325	78	904119	23.893 ug/L	100
34) Trichloroethene	9.087	95	225966	23.241 ug/L	95
35) Methylcyclohexane	9.337	83	358876	21.725 ug/L	97
37) 1,2-Dichloropropane	9.368	63	230005	23.819 ug/L	99
38) Bromodichloromethane	9.642	83	286552	25.198 ug/L	97
39) cis-1,3-Dichloropropene	10.069	75	339828	23.706 ug/L	100
40) 4-Methyl-2-pentanone	10.209	43	233669	46.871 ug/L #	94
42) Toluene	10.386	91	969422	24.894 ug/L	99
44) trans-1,3-Dichloropropene	10.605	75	287019	24.656 ug/L	97
45) 1,1,2-Trichloroethane	10.788	97	178218	25.620 ug/L	98
46) Tetrachloroethene	10.861	164	191234	25.767 ug/L	92
48) 2-Hexanone	10.965	43	162200	47.740 ug/L #	94
49) Dibromochloromethane	11.123	129	187232	26.129 ug/L	92
50) 1,2-Dibromoethane	11.233	107	165236	26.237 ug/L	91
51) Chlorobenzene	11.654	112	622405	24.814 ug/L	98
52) Ethylbenzene	11.727	91	1068926	24.760 ug/L	100
53) m,p-Xylene	11.837	106	415907	25.468 ug/L	95
54) o-Xylene	12.166	106	408202	26.715 ug/L	94
55) Styrene	12.178	104	715162	27.424 ug/L	93
57) 1,1,2,2-Tetrachloroethane	12.714	83	226661	27.543 ug/L	99
59) Bromoform	12.349	173	119092	25.102 ug/L	97
60) Isopropylbenzene	12.465	105	1101255	24.098 ug/L	98
61) 1,2,3-Trichloropropane	12.763	75	151250	23.700 ug/L	97
62) 1,3,5-Trimethylbenzene	12.940	105	897875	24.622 ug/L	99
63) 1,2,4-Trimethylbenzene	13.251	105	916949	25.719 ug/L	99
64) 1,3-Dichlorobenzene	13.495	146	512693	24.661 ug/L	89
65) 1,4-Dichlorobenzene	13.574	146	525326	24.861 ug/L	91
67) 1,2-Dichlorobenzene	13.867	146	466879	24.925 ug/L	97
68) 1,2-Dibromo-3-chloropr...	14.476	75	33013	22.812 ug/L	90
69) 1,3,5-Trichlorobenzene	14.623	180	350709	24.285 ug/L	95
70) 1,2,4-trichlorobenzene	15.129	180	291077	24.755 ug/L	96
71) Naphthalene	15.360	128	538030	25.859 ug/L	100
72) 1,2,3-Trichlorobenzene	15.549	180	269065	25.242 ug/L	97

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

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