Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW042022\
Data File : VW022597.D
Acq On : 20 Apr 2022 18:23
Operator : SY/VA
Sample : VSTDCCC025EC
Misc : 5.00g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD025494

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 04/21/2022
Supervised By :Mahesh Dadoda 04/26/2022

Quant Time: Apr 21 01:22:30 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM040722SMA.M
Quant Title : SFAM01.0
QLast Update : Thu Apr 21 01:19:16 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	8.842	114	309363	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.628	117	303732	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.554	152	169817	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.355	65	167983	24.562	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 98.240%			
7) Chloroethane-d5	2.891	69	114703	26.761	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 107.040%			
11) 1,1-Dichloroethene-d2	4.025	63	226576	25.543	ug/L	0.00
Spiked Amount 25.000	Range 45 - 110		Recovery = 102.160%			
21) 2-Butanone-d5	7.074	46	66426	55.633	ug/L	-0.01
Spiked Amount 50.000	Range 20 - 135		Recovery = 111.260%			
24) Chloroform-d	7.653	84	284156	29.386	ug/L	0.00
Spiked Amount 25.000	Range 40 - 150		Recovery = 117.560%			
26) 1,2-Dichloroethane-d4	8.305	65	151936	27.500	ug/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 110.000%			
32) Benzene-d6	8.275	84	547338	29.495	ug/L	0.00
Spiked Amount 25.000	Range 20 - 135		Recovery = 118.000%			
36) 1,2-Dichloropropane-d6	9.274	67	153713	28.624	ug/L	0.00
Spiked Amount 25.000	Range 70 - 120		Recovery = 114.480%			
41) Toluene-d8	10.323	98	530247	29.175	ug/L	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery = 116.720%			
43) trans-1,3-Dichloroprop...	10.579	79	67810	26.756	ug/L	0.00
Spiked Amount 25.000	Range 30 - 135		Recovery = 107.040%			
47) 2-Hexanone-d5	10.920	63	56198	56.247	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 112.500%			
56) 1,1,2,2-Tetrachloroeth...	12.688	84	134447	29.444	ug/L	0.00
Spiked Amount 25.000	Range 45 - 120		Recovery = 117.760%			
66) 1,2-Dichlorobenzene-d4	13.847	152	178799	29.726	ug/L	0.00
Spiked Amount 25.000	Range 75 - 120		Recovery = 118.920%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.007	85	23715	15.638	ug/L	97
3) Chloromethane	2.221	50	63832	16.882	ug/L	97
5) Vinyl chloride	2.361	62	135887	17.224	ug/L	97
6) Bromomethane	2.782	94	77163	16.089	ug/L	89
8) Chloroethane	2.922	64	63381	18.350	ug/L	95
9) Trichlorofluoromethane	3.257	101	66236	22.740	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	4.068	101	98897	21.323	ug/L	96
12) 1,1-Dichloroethene	4.044	96	87811	21.081	ug/L	91
13) Acetone	4.123	43	33674	41.422	ug/L	96
14) Carbon disulfide	4.385	76	215549	15.730	ug/L	99
15) Methyl Acetate	4.672	43	38962m	19.098	ug/L	
16) Methylene chloride	4.922	84	99244	21.320	ug/L	89
17) trans-1,2-Dichloroethene	5.428	96	97840	20.051	ug/L	92
18) Methyl tert-butyl Ether	5.428	73	162791	20.428	ug/L	96
19) 1,1-Dichloroethane	6.220	63	175660	19.729	ug/L	99
20) cis-1,2-Dichloroethene	7.171	96	111030	21.544	ug/L #	91
22) 2-Butanone	7.171	43	52406	42.682	ug/L	94
23) Bromochloromethane	7.519	128	48684	21.950	ug/L	85
25) Chloroform	7.677	83	199143	21.236	ug/L	100

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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
27) 1,2-Dichloroethane	8.403	62	130015	19.726	ug/L	#	96
29) Cyclohexane	7.951	56	148736	17.110	ug/L		97
30) 1,1,1-Trichloroethane	7.872	97	170436	20.229	ug/L		97
31) Carbon tetrachloride	8.067	117	152845	20.212	ug/L		100
33) Benzene	8.323	78	408578	19.813	ug/L		100
34) Trichloroethene	9.091	95	112404	20.358	ug/L		93
35) Methylcyclohexane	9.335	83	181134	18.285	ug/L		95
37) 1,2-Dichloropropane	9.366	63	98811	20.002	ug/L		99
38) Bromodichloromethane	9.646	83	144285	20.310	ug/L		99
39) cis-1,3-Dichloropropene	10.073	75	160522	20.477	ug/L		94
40) 4-Methyl-2-pentanone	10.207	43	121073	40.158	ug/L		95
42) Toluene	10.390	91	473473	20.037	ug/L		95
44) trans-1,3-Dichloropropene	10.603	75	141776	20.198	ug/L		97
45) 1,1,2-Trichloroethane	10.786	97	81739	21.679	ug/L		96
46) Tetrachloroethene	10.859	164	79800	19.662	ug/L		98
48) 2-Hexanone	10.963	43	78773	37.036	ug/L	#	92
49) Dibromochloromethane	11.128	129	101203	22.507	ug/L		92
50) 1,2-Dibromoethane	11.237	107	79994	21.487	ug/L		99
51) Chlorobenzene	11.658	112	306136	21.201	ug/L		94
52) Ethylbenzene	11.725	91	525452	19.839	ug/L		97
53) m,p-Xylene	11.835	106	210946	20.946	ug/L		94
54) o-Xylene	12.164	106	201679	20.956	ug/L		94
55) Styrene	12.176	104	341510	20.770	ug/L		100
57) 1,1,2,2-Tetrachloroethane	12.713	83	99542	21.510	ug/L		96
59) Bromoform	12.347	173	52286	20.721	ug/L		98
60) Isopropylbenzene	12.463	105	560313	19.863	ug/L		99
61) 1,2,3-Trichloropropane	12.768	75	75583	20.923	ug/L		97
62) 1,3,5-Trimethylbenzene	12.938	105	315114	20.312	ug/L		98
63) 1,2,4-Trimethylbenzene	13.249	105	477045	20.221	ug/L		95
64) 1,3-Dichlorobenzene	13.499	146	239860	20.951	ug/L		95
65) 1,4-Dichlorobenzene	13.578	146	241244	21.129	ug/L		96
67) 1,2-Dichlorobenzene	13.865	146	215604	21.058	ug/L		96
68) 1,2-Dibromo-3-chloropr...	14.481	75	15421	18.407	ug/L		92
69) 1,3,5-Trichlorobenzene	14.621	180	161345	21.600	ug/L		95
70) 1,2,4-trichlorobenzene	15.127	180	133951	21.352	ug/L		98
71) Naphthalene	15.359	128	274069	20.713	ug/L		99
72) 1,2,3-Trichlorobenzene	15.548	180	113392	21.146	ug/L		95

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

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