Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092123\
Data File : VW027160.D
Acq On : 21 Sep 2023 13:59
Operator : SY/MD
Sample : VSTDCCC025
Misc : 5.00g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD025508

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 09/22/2023
Supervised By :Mahesh Dadoda 09/22/2023

Quant Time: Sep 22 00:48:37 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM091823SMA.M
Quant Title : SFAM01.0
QLast Update : Wed Sep 20 01:34:37 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	8.843	114	531363	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.629	117	503197	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.556	152	285952	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.362	65	164764	19.272	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 77.080%			
7) Chloroethane-d5	2.893	69	135278	20.490	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 81.960%			
11) 1,1-Dichloroethene-d2	4.027	65	86622	23.632	ug/L	0.00
Spiked Amount 25.000	Range 45 - 110		Recovery = 94.520%			
21) 2-Butanone-d5	7.075	46	75405	47.633	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 95.260%			
24) Chloroform-d	7.648	84	360362	22.574	ug/L	0.00
Spiked Amount 25.000	Range 40 - 150		Recovery = 90.280%			
26) 1,2-Dichloroethane-d4	8.306	65	172290	22.119	ug/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 88.480%			
32) Benzene-d6	8.276	84	763847	23.505	ug/L	0.00
Spiked Amount 25.000	Range 20 - 135		Recovery = 94.040%			
36) 1,2-Dichloropropane-d6	9.270	67	215835	23.472	ug/L	0.00
Spiked Amount 25.000	Range 70 - 120		Recovery = 93.880%			
41) Toluene-d8	10.324	98	702926	24.304	ug/L	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery = 97.200%			
43) trans-1,3-Dichloroprop...	10.574	79	87791	23.627	ug/L	0.00
Spiked Amount 25.000	Range 30 - 135		Recovery = 94.520%			
47) 2-Hexanone-d5	10.922	63	60881	54.946	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 109.900%			
56) 1,1,2,2-Tetrachloroeth...	12.690	84	177262	24.059	ug/L	0.00
Spiked Amount 25.000	Range 45 - 120		Recovery = 96.240%			
66) 1,2-Dichlorobenzene-d4	13.848	152	245541	24.045	ug/L	0.00
Spiked Amount 25.000	Range 75 - 120		Recovery = 96.160%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.021	85	135128m	22.356	ug/L	
3) Chloromethane	2.222	50	142324	21.944	ug/L	96
5) Vinyl chloride	2.375	62	192774	21.843	ug/L	98
6) Bromomethane	2.789	94	125054	20.404	ug/L	99
8) Chloroethane	2.929	64	120211	23.358	ug/L	98
9) Trichlorofluoromethane	3.265	101	151268	22.072	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	4.076	101	198936	25.192	ug/L	92
12) 1,1-Dichloroethene	4.045	96	182040	23.491	ug/L	84
13) Acetone	4.118	43	101640	67.962	ug/L	88
14) Carbon disulfide	4.386	76	591577	22.899	ug/L	100
15) Methyl Acetate	4.667	43	67245	22.790	ug/L	98
16) Methylene chloride	4.917	84	216688	21.434	ug/L	95
17) trans-1,2-Dichloroethene	5.429	96	202834	24.120	ug/L	98
18) Methyl tert-butyl Ether	5.429	73	283462	25.368	ug/L	99
19) 1,1-Dichloroethane	6.215	63	356541	24.177	ug/L	100
20) cis-1,2-Dichloroethene	7.166	96	221342	25.025	ug/L	97
22) 2-Butanone	7.166	43	99831	49.415	ug/L	98
23) Bromochloromethane	7.514	128	97268	23.887	ug/L	93
25) Chloroform	7.679	83	363970	24.031	ug/L	100

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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
27) 1,2-Dichloroethane	8.398	62	221519	24.137	ug/L		98
29) Cyclohexane	7.959	56	315940	26.232	ug/L		99
30) 1,1,1-Trichloroethane	7.874	97	290229	24.405	ug/L		98
31) Carbon tetrachloride	8.069	117	258625	24.541	ug/L		98
33) Benzene	8.325	78	848090	25.518	ug/L		100
34) Trichloroethene	9.093	95	216907	24.696	ug/L		96
35) Methylcyclohexane	9.337	83	386509	25.799	ug/L		99
37) 1,2-Dichloropropane	9.367	63	204620	24.791	ug/L		99
38) Bromodichloromethane	9.642	83	253793	25.144	ug/L		98
39) cis-1,3-Dichloropropene	10.074	75	320780	25.946	ug/L		100
40) 4-Methyl-2-pentanone	10.209	43	191603	51.762	ug/L		99
42) Toluene	10.385	91	925513	26.354	ug/L		98
44) trans-1,3-Dichloropropene	10.605	75	268053	25.835	ug/L		99
45) 1,1,2-Trichloroethane	10.788	97	159225	25.072	ug/L		98
46) Tetrachloroethene	10.861	164	177341	23.955	ug/L		87
48) 2-Hexanone	10.965	43	141195	52.893	ug/L		97
49) Dibromochloromethane	11.129	129	170061	25.588	ug/L		100
50) 1,2-Dibromoethane	11.233	107	143750	24.664	ug/L		97
51) Chlorobenzene	11.653	112	566586	24.446	ug/L		90
52) Ethylbenzene	11.727	91	1000760	25.982	ug/L		99
53) m,p-Xylene	11.836	106	402493	27.248	ug/L		96
54) o-Xylene	12.159	106	383427	27.248	ug/L		89
55) Styrene	12.178	104	661685	27.442	ug/L		94
57) 1,1,2,2-Tetrachloroethane	12.708	83	183885	24.713	ug/L		95
59) Bromoform	12.348	173	98679	23.821	ug/L		93
60) Isopropylbenzene	12.464	105	1017726	26.565	ug/L		99
61) 1,2,3-Trichloropropane	12.763	75	129822	24.343	ug/L		99
62) 1,3,5-Trimethylbenzene	12.940	105	837953	27.331	ug/L		99
63) 1,2,4-Trimethylbenzene	13.245	105	824532	27.756	ug/L		99
64) 1,3-Dichlorobenzene	13.495	146	447611	24.708	ug/L		96
65) 1,4-Dichlorobenzene	13.574	146	478763	25.427	ug/L		97
67) 1,2-Dichlorobenzene	13.866	146	411696	24.863	ug/L		96
68) 1,2-Dibromo-3-chloropr...	14.476	75	28029	23.733	ug/L	#	81
69) 1,3,5-Trichlorobenzene	14.622	180	329347	25.255	ug/L		97
70) 1,2,4-trichlorobenzene	15.128	180	257088	24.875	ug/L		97
71) Naphthalene	15.360	128	451477	26.259	ug/L		100
72) 1,2,3-Trichlorobenzene	15.549	180	239434	25.662	ug/L		95

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

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