Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100523\
Data File : VW027249.D
Acq On : 05 Oct 2023 20:30
Operator : SY/MD
Sample : VSTDCCC025EC
Misc : 5.00g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 06 01:28:11 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM092723SMA.M
Quant Title : SFAM01.0
QLast Update : Wed Oct 04 22:49:04 2023
Response via : Initial Calibration

Instrument :
MSVOA_W
ClientSampleId :
VSTD025515

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt
10/07/2023
Supervised By :Mahesh Dadoda
10/09/2023

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) 1,4-Difluorobenzene	8.843	114	790358	25.000 ug/L	0.00
28) Chlorobenzene-d5	11.629	117	784591	25.000 ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.556	152	433154	25.000 ug/L	0.00
System Monitoring Compounds					
4) Vinyl Chloride-d3	2.369	65	259814	20.923 ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 83.680%		
7) Chloroethane-d5	2.899	69	216890	22.099 ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 88.400%		
11) 1,1-Dichloroethene-d2	4.027	65	104331	20.222 ug/L	0.00
Spiked Amount 25.000	Range 45 - 110		Recovery = 80.880%		
21) 2-Butanone-d5	7.075	46	158021	61.556 ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 123.120%		
24) Chloroform-d	7.648	84	514340	22.236 ug/L	0.00
Spiked Amount 25.000	Range 40 - 150		Recovery = 88.960%		
26) 1,2-Dichloroethane-d4	8.307	65	255878	23.082 ug/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 92.320%		
32) Benzene-d6	8.276	84	1030518	21.431 ug/L	0.00
Spiked Amount 25.000	Range 20 - 135		Recovery = 85.720%		
36) 1,2-Dichloropropane-d6	9.276	67	328276	22.804 ug/L	0.00
Spiked Amount 25.000	Range 70 - 120		Recovery = 91.200%		
41) Toluene-d8	10.325	98	925551	21.813 ug/L	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery = 87.240%		
43) trans-1,3-Dichloroprop...	10.575	79	127797	22.621 ug/L	0.00
Spiked Amount 25.000	Range 30 - 135		Recovery = 90.480%		
47) 2-Hexanone-d5	10.922	63	135892	61.709 ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 123.420%		
56) 1,1,2,2-Tetrachloroeth...	12.690	84	298011	27.050 ug/L	0.00
Spiked Amount 25.000	Range 45 - 120		Recovery = 108.200%		
66) 1,2-Dichlorobenzene-d4	13.848	152	318878	21.956 ug/L	0.00
Spiked Amount 25.000	Range 75 - 120		Recovery = 87.840%		
Target Compounds					Qvalue
2) Dichlorodifluoromethane	2.021	85	294359m	28.663 ug/L	
3) Chloromethane	2.229	50	387251	27.935 ug/L	98
5) Vinyl chloride	2.381	62	406702	26.871 ug/L	95
6) Bromomethane	2.789	94	258318	25.906 ug/L	93
8) Chloroethane	2.936	64	256008	27.870 ug/L	96
9) Trichlorofluoromethane	3.265	101	288969	22.717 ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	4.076	101	317287	24.791 ug/L #	68
12) 1,1-Dichloroethene	4.051	96	308215	25.207 ug/L	95
13) Acetone	4.118	43	199463	62.879 ug/L	99
14) Carbon disulfide	4.393	76	964870	23.511 ug/L	99
15) Methyl Acetate	4.673	43	175024	32.919 ug/L	98
16) Methylene chloride	4.923	84	417990	27.016 ug/L	97
17) trans-1,2-Dichloroethene	5.429	96	339089	25.774 ug/L	97
18) Methyl tert-butyl Ether	5.429	73	471650	28.648 ug/L	99
19) 1,1-Dichloroethane	6.216	63	655497	26.717 ug/L	97
20) cis-1,2-Dichloroethene	7.173	96	386797	27.581 ug/L	94
22) 2-Butanone	7.173	43	265144	67.583 ug/L	99
23) Bromochloromethane	7.514	128	169571	26.499 ug/L	96
25) Chloroform	7.679	83	645731	26.985 ug/L	96

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Quant Title : SFAM01.0
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	8.398	62	410702	28.017	ug/L	98
29) Cyclohexane	7.959	56	548253	26.265	ug/L	99
30) 1,1,1-Trichloroethane	7.874	97	491487	25.200	ug/L	98
31) Carbon tetrachloride	8.069	117	453482	24.617	ug/L	99
33) Benzene	8.325	78	1451291	26.171	ug/L	100
34) Trichloroethene	9.093	95	369282	25.501	ug/L	97
35) Methylcyclohexane	9.337	83	626871	25.737	ug/L	97
37) 1,2-Dichloropropane	9.367	63	394126	27.583	ug/L	100
38) Bromodichloromethane	9.648	83	464981	27.095	ug/L	96
39) cis-1,3-Dichloropropene	10.075	75	576755	27.395	ug/L	99
40) 4-Methyl-2-pentanone	10.209	43	491593	70.916	ug/L	98
42) Toluene	10.386	91	1529135	26.851	ug/L	96
44) trans-1,3-Dichloropropene	10.605	75	488376	28.304	ug/L	99
45) 1,1,2-Trichloroethane	10.788	97	302052	29.211	ug/L	95
46) Tetrachloroethene	10.861	164	277645	24.390	ug/L	86
48) 2-Hexanone	10.965	43	370520	68.180	ug/L	98
49) Dibromochloromethane	11.129	129	310502	27.688	ug/L	94
50) 1,2-Dibromoethane	11.233	107	275889	28.753	ug/L	96
51) Chlorobenzene	11.654	112	974356	25.783	ug/L	95
52) Ethylbenzene	11.727	91	1717689	26.848	ug/L	100
53) m,p-Xylene	11.837	106	652767	26.609	ug/L	97
54) o-Xylene	12.166	106	620471	27.075	ug/L	97
55) Styrene	12.178	104	1112824	28.210	ug/L	96
57) 1,1,2,2-Tetrachloroethane	12.714	83	382815	30.865	ug/L	98
59) Bromoform	12.349	173	183277	26.795	ug/L	92
60) Isopropylbenzene	12.464	105	1693231	26.547	ug/L	100
61) 1,2,3-Trichloropropane	12.769	75	271371	30.601	ug/L	98
62) 1,3,5-Trimethylbenzene	12.940	105	1382152	27.639	ug/L	97
63) 1,2,4-Trimethylbenzene	13.245	105	1356600	27.682	ug/L	100
64) 1,3-Dichlorobenzene	13.495	146	772494	26.241	ug/L	98
65) 1,4-Dichlorobenzene	13.574	146	795955	26.912	ug/L	96
67) 1,2-Dichlorobenzene	13.867	146	661128	25.622	ug/L	97
68) 1,2-Dibromo-3-chloropr...	14.482	75	59446	31.295	ug/L	85
69) 1,3,5-Trichlorobenzene	14.623	180	511261	26.971	ug/L	93
70) 1,2,4-trichlorobenzene	15.123	180	405396	27.107	ug/L	97
71) Naphthalene	15.360	128	819052	31.040	ug/L	99
72) 1,2,3-Trichlorobenzene	15.549	180	384743	28.981	ug/L	97

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

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