Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW102423\
Data File : VW027406.D
Acq On : 24 Oct 2023 10:20
Operator : SY/MD
Sample : VSTDCCC025
Misc : 5.00g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD025534

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 10/25/2023
Supervised By :Mahesh Dadoda 10/26/2023

Quant Time: Oct 25 01:24:20 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM101123SMA.M
Quant Title : SFAM01.0
QLast Update : Sat Oct 21 04:25:20 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	8.843	114	394000	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.629	117	352485	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.556	152	177125	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.369	65	132718	22.072	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 88.280%			
7) Chloroethane-d5	2.899	69	108932	25.230	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 100.920%			
11) 1,1-Dichloroethene-d2	4.021	65	68680	22.795	ug/L	0.00
Spiked Amount 25.000	Range 45 - 110		Recovery = 91.160%			
21) 2-Butanone-d5	7.081	46	78380	39.217	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 78.440%			
24) Chloroform-d	7.648	84	291722	24.842	ug/L	0.00
Spiked Amount 25.000	Range 40 - 150		Recovery = 99.360%			
26) 1,2-Dichloroethane-d4	8.307	65	144131	22.848	ug/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 91.400%			
32) Benzene-d6	8.276	84	584014	24.489	ug/L	0.00
Spiked Amount 25.000	Range 20 - 135		Recovery = 97.960%			
36) 1,2-Dichloropropane-d6	9.270	67	182086	24.998	ug/L	0.00
Spiked Amount 25.000	Range 70 - 120		Recovery = 100.000%			
41) Toluene-d8	10.318	98	495886	22.930	ug/L	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery = 91.720%			
43) trans-1,3-Dichloroprop...	10.575	79	67695	20.383	ug/L	0.00
Spiked Amount 25.000	Range 30 - 135		Recovery = 81.520%			
47) 2-Hexanone-d5	10.922	63	60020	39.826	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 79.660%			
56) 1,1,2,2-Tetrachloroeth...	12.690	84	121878	22.426	ug/L	0.00
Spiked Amount 25.000	Range 45 - 120		Recovery = 89.720%			
66) 1,2-Dichlorobenzene-d4	13.848	152	153260	23.877	ug/L	0.00
Spiked Amount 25.000	Range 75 - 120		Recovery = 95.520%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.021	85	110736m	23.622	ug/L	
3) Chloromethane	2.222	50	137473	25.517	ug/L	100
5) Vinyl chloride	2.375	62	156901	26.073	ug/L	98
6) Bromomethane	2.789	94	83267	24.293	ug/L	91
8) Chloroethane	2.936	64	91277	26.350	ug/L	96
9) Trichlorofluoromethane	3.271	101	125590	29.581	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	4.076	101	131525	24.740	ug/L	94
12) 1,1-Dichloroethene	4.039	96	130084	25.178	ug/L	93
13) Acetone	4.124	43	74299	43.042	ug/L	97
14) Carbon disulfide	4.387	76	351821	21.966	ug/L	99
15) Methyl Acetate	4.673	43	59548	20.197	ug/L	96
16) Methylene chloride	4.917	84	142754	19.794	ug/L	92
17) trans-1,2-Dichloroethene	5.423	96	134291	24.186	ug/L	98
18) Methyl tert-butyl Ether	5.423	73	214609	22.402	ug/L	99
19) 1,1-Dichloroethane	6.216	63	293530	25.910	ug/L	97
20) cis-1,2-Dichloroethene	7.173	96	155340	24.773	ug/L	97
22) 2-Butanone	7.173	43	88307	34.177	ug/L	100
23) Bromochloromethane	7.514	128	60108	23.218	ug/L	87
25) Chloroform	7.673	83	276848	26.111	ug/L	100

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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	170694	23.700	ug/L		99
29) Cyclohexane	7.959	56	266786	24.928	ug/L		98
30) 1,1,1-Trichloroethane	7.874	97	226690	26.365	ug/L		98
31) Carbon tetrachloride	8.069	117	193338	24.937	ug/L		99
33) Benzene	8.325	78	602645	26.161	ug/L		100
34) Trichloroethene	9.093	95	156844	25.776	ug/L		93
35) Methylcyclohexane	9.337	83	268692	24.692	ug/L		99
37) 1,2-Dichloropropane	9.367	63	163022	26.173	ug/L		99
38) Bromodichloromethane	9.642	83	186131	24.302	ug/L		100
39) cis-1,3-Dichloropropene	10.068	75	244053	23.720	ug/L		99
40) 4-Methyl-2-pentanone	10.209	43	174295	40.689	ug/L		98
42) Toluene	10.386	91	627932	25.984	ug/L		97
44) trans-1,3-Dichloropropene	10.605	75	197007	22.692	ug/L		98
45) 1,1,2-Trichloroethane	10.788	97	102501	23.914	ug/L		96
46) Tetrachloroethene	10.861	164	102900	24.490	ug/L		94
48) 2-Hexanone	10.965	43	129517	40.851	ug/L		97
49) Dibromochloromethane	11.123	129	103512	21.746	ug/L		96
50) 1,2-Dibromoethane	11.233	107	92763	22.322	ug/L	#	99
51) Chlorobenzene	11.660	112	382460	25.274	ug/L		96
52) Ethylbenzene	11.727	91	740106	26.355	ug/L		99
53) m,p-Xylene	11.836	106	270120	25.361	ug/L		99
54) o-Xylene	12.160	106	259024	25.395	ug/L		96
55) Styrene	12.178	104	441292	25.333	ug/L		100
57) 1,1,2,2-Tetrachloroethane	12.714	83	117330	22.424	ug/L		96
59) Bromoform	12.349	173	54058	20.510	ug/L		97
60) Isopropylbenzene	12.458	105	743937	26.736	ug/L		99
61) 1,2,3-Trichloropropane	12.769	75	83931	21.702	ug/L		100
62) 1,3,5-Trimethylbenzene	12.940	105	593868	25.587	ug/L		98
63) 1,2,4-Trimethylbenzene	13.245	105	584725	25.748	ug/L		100
64) 1,3-Dichlorobenzene	13.495	146	281524	24.950	ug/L		98
65) 1,4-Dichlorobenzene	13.574	146	287222	25.489	ug/L		97
67) 1,2-Dichlorobenzene	13.867	146	247959	24.765	ug/L		100
68) 1,2-Dibromo-3-chloropr...	14.476	75	17758	18.372	ug/L		94
69) 1,3,5-Trichlorobenzene	14.623	180	182624	24.932	ug/L		93
70) 1,2,4-trichlorobenzene	15.129	180	156539	25.108	ug/L		98
71) Naphthalene	15.360	128	274993	21.449	ug/L		100
72) 1,2,3-Trichlorobenzene	15.549	180	121280	23.657	ug/L		97

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

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