Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW032923\
Data File : VW025482.D
Acq On : 29 Mar 2023 11:31
Operator : SY/MD
Sample : VSTDCCC025
Misc : 5.00g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD025558

Manual Integrations APPROVED

Reviewed By :Krupa Patel 04/01/2023
Supervised By :Semsettin Yesilyurt 04/01/2023

Quant Time: Mar 30 00:18:46 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM030623SMA.M
Quant Title : SFAM01.0
QLast Update : Thu Mar 23 00:29:23 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	8.843	114	728429	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.629	117	643743	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.556	152	322402	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.369	65	226651	18.714	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 74.840%			
7) Chloroethane-d5	2.899	69	183113	21.012	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 84.040%			
11) 1,1-Dichloroethene-d2	4.027	63	516758	22.090	ug/L	0.00
Spiked Amount 25.000	Range 45 - 110		Recovery = 88.360%			
21) 2-Butanone-d5	7.081	46	129240	43.473	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 86.940%			
24) Chloroform-d	7.648	84	507375	24.161	ug/L	0.00
Spiked Amount 25.000	Range 40 - 150		Recovery = 96.640%			
26) 1,2-Dichloroethane-d4	8.307	65	265999	23.600	ug/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 94.400%			
32) Benzene-d6	8.276	84	1000218	22.739	ug/L	0.00
Spiked Amount 25.000	Range 20 - 135		Recovery = 90.960%			
36) 1,2-Dichloropropane-d6	9.276	67	318254	23.388	ug/L	0.00
Spiked Amount 25.000	Range 70 - 120		Recovery = 93.560%			
41) Toluene-d8	10.325	98	891464	22.987	ug/L	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery = 91.960%			
43) trans-1,3-Dichloroprop...	10.575	79	121688	22.458	ug/L	0.00
Spiked Amount 25.000	Range 30 - 135		Recovery = 89.840%			
47) 2-Hexanone-d5	10.922	63	86454	44.183	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 88.360%			
56) 1,1,2,2-Tetrachloroeth...	12.690	84	225133	22.583	ug/L	0.00
Spiked Amount 25.000	Range 45 - 120		Recovery = 90.320%			
66) 1,2-Dichlorobenzene-d4	13.848	152	270762	22.584	ug/L	0.00
Spiked Amount 25.000	Range 75 - 120		Recovery = 90.320%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.021	85	217134m	26.083	ug/L	
3) Chloromethane	2.222	50	259196	26.180	ug/L	100
5) Vinyl chloride	2.375	62	305370	27.301	ug/L	100
6) Bromomethane	2.789	94	159530	26.751	ug/L	95
8) Chloroethane	2.936	64	178458	27.759	ug/L	98
9) Trichlorofluoromethane	3.271	101	237269	24.507	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	4.076	101	258486	27.531	ug/L	98
12) 1,1-Dichloroethene	4.045	96	247803	27.280	ug/L	96
13) Acetone	4.124	43	138866	48.591	ug/L	99
14) Carbon disulfide	4.393	76	762092	26.984	ug/L	98
15) Methyl Acetate	4.667	43	122768	22.899	ug/L	99
16) Methylene chloride	4.917	84	280103	27.615	ug/L	93
17) trans-1,2-Dichloroethene	5.429	96	255249	26.805	ug/L	93
18) Methyl tert-butyl Ether	5.429	73	375658	26.204	ug/L	99
19) 1,1-Dichloroethane	6.216	63	542213	27.497	ug/L	100
20) cis-1,2-Dichloroethene	7.173	96	282650	27.111	ug/L #	96
22) 2-Butanone	7.173	43	165791	44.845	ug/L	99
23) Bromochloromethane	7.514	128	115064	25.665	ug/L	94
25) Chloroform	7.679	83	504334	27.207	ug/L	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	8.398	62	332354	26.866	ug/L	99
29) Cyclohexane	7.959	56	498976	27.460	ug/L	100
30) 1,1,1-Trichloroethane	7.874	97	405004	26.466	ug/L	99
31) Carbon tetrachloride	8.069	117	361493	26.353	ug/L	100
33) Benzene	8.325	78	1120723	27.230	ug/L	100
34) Trichloroethene	9.093	95	286174	26.492	ug/L	97
35) Methylcyclohexane	9.337	83	507282	27.261	ug/L	99
37) 1,2-Dichloropropane	9.367	63	304040	26.837	ug/L	100
38) Bromodichloromethane	9.642	83	352088	26.648	ug/L	99
39) cis-1,3-Dichloropropene	10.075	75	449985	27.571	ug/L	97
40) 4-Methyl-2-pentanone	10.209	43	325964	47.872	ug/L	99
42) Toluene	10.386	91	1171788	27.575	ug/L	98
44) trans-1,3-Dichloropropene	10.605	75	366115	26.787	ug/L	97
45) 1,1,2-Trichloroethane	10.788	97	193974	25.495	ug/L	99
46) Tetrachloroethene	10.861	164	201609	26.230	ug/L	88
48) 2-Hexanone	10.965	43	239059	48.799	ug/L	100
49) Dibromochloromethane	11.129	129	197093	24.245	ug/L	90
50) 1,2-Dibromoethane	11.233	107	173813	24.681	ug/L	94
51) Chlorobenzene	11.660	112	713271	26.447	ug/L	97
52) Ethylbenzene	11.727	91	1322440	27.286	ug/L	96
53) m,p-Xylene	11.836	106	491464	27.494	ug/L	93
54) o-Xylene	12.166	106	466548	27.736	ug/L	99
55) Styrene	12.178	104	816210	28.415	ug/L	98
57) 1,1,2,2-Tetrachloroethane	12.714	83	229209	24.219	ug/L	99
59) Bromoform	12.349	173	111123	23.890	ug/L	99
60) Isopropylbenzene	12.464	105	1302576	27.103	ug/L	99
61) 1,2,3-Trichloropropane	12.769	75	163637	23.296	ug/L	99
62) 1,3,5-Trimethylbenzene	12.940	105	1061287	27.882	ug/L	99
63) 1,2,4-Trimethylbenzene	13.245	105	1041420	27.773	ug/L	99
64) 1,3-Dichlorobenzene	13.495	146	542794	26.653	ug/L	98
65) 1,4-Dichlorobenzene	13.574	146	543593	26.022	ug/L	96
67) 1,2-Dichlorobenzene	13.867	146	486606	26.641	ug/L	91
68) 1,2-Dibromo-3-chloropr...	14.482	75	34924	21.476	ug/L	96
69) 1,3,5-Trichlorobenzene	14.623	180	364991	26.365	ug/L	99
70) 1,2,4-trichlorobenzene	15.129	180	295827	25.773	ug/L	99
71) Naphthalene	15.360	128	565507	24.959	ug/L	100
72) 1,2,3-Trichlorobenzene	15.549	180	255023	24.736	ug/L	98

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

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