Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW040723\
Data File : VW025561.D
Acq On : 07 Apr 2023 08:50
Operator : SY/MD
Sample : VSTDCCC025
Misc : 5.00g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD025565

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 04/10/2023
Supervised By :Mahesh Dadoda 04/10/2023

Quant Time: Apr 07 23:04:09 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM040323SMA.M
Quant Title : SFAM01.0
QLast Update : Tue Apr 04 03:07:33 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	8.843	114	791274	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.629	117	693834	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.556	152	335214	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.363	65	246033	19.108	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 76.440%			
7) Chloroethane-d5	2.893	69	184757	20.153	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 80.600%			
11) 1,1-Dichloroethene-d2	4.027	63	544739	20.919	ug/L	0.00
Spiked Amount 25.000	Range 45 - 110		Recovery = 83.680%			
21) 2-Butanone-d5	7.069	46	132161	46.009	ug/L	-0.01
Spiked Amount 50.000	Range 20 - 135		Recovery = 92.020%			
24) Chloroform-d	7.648	84	487716	21.952	ug/L	0.00
Spiked Amount 25.000	Range 40 - 150		Recovery = 87.800%			
26) 1,2-Dichloroethane-d4	8.301	65	252403	21.837	ug/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 87.360%			
32) Benzene-d6	8.270	84	989859	22.033	ug/L	0.00
Spiked Amount 25.000	Range 20 - 135		Recovery = 88.120%			
36) 1,2-Dichloropropane-d6	9.270	67	307438	21.947	ug/L	0.00
Spiked Amount 25.000	Range 70 - 120		Recovery = 87.800%			
41) Toluene-d8	10.319	98	877998	22.373	ug/L	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery = 89.480%			
43) trans-1,3-Dichloroprop...	10.575	79	114379	21.778	ug/L	0.00
Spiked Amount 25.000	Range 30 - 135		Recovery = 87.120%			
47) 2-Hexanone-d5	10.922	63	89779	46.889	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 93.780%			
56) 1,1,2,2-Tetrachloroeth...	12.690	84	216614	22.910	ug/L	0.00
Spiked Amount 25.000	Range 45 - 120		Recovery = 91.640%			
66) 1,2-Dichlorobenzene-d4	13.848	152	267266	23.208	ug/L	0.00
Spiked Amount 25.000	Range 75 - 120		Recovery = 92.840%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.015	85	274416m	24.800	ug/L	
3) Chloromethane	2.222	50	305867	23.826	ug/L	98
5) Vinyl chloride	2.369	62	328741	23.165	ug/L	100
6) Bromomethane	2.789	94	172799	22.635	ug/L	97
8) Chloroethane	2.930	64	185651	23.358	ug/L	100
9) Trichlorofluoromethane	3.265	101	243557	22.277	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	4.070	101	280362	25.554	ug/L	99
12) 1,1-Dichloroethene	4.039	96	262327	23.887	ug/L	97
13) Acetone	4.112	43	133392	54.868	ug/L	100
14) Carbon disulfide	4.393	76	879762	22.706	ug/L	100
15) Methyl Acetate	4.667	43	129818	23.768	ug/L	98
16) Methylene chloride	4.911	84	282573	22.467	ug/L	100
17) trans-1,2-Dichloroethene	5.423	96	281068	24.073	ug/L	96
18) Methyl tert-butyl Ether	5.423	73	382787	23.757	ug/L	99
19) 1,1-Dichloroethane	6.216	63	578039	24.780	ug/L	98
20) cis-1,2-Dichloroethene	7.167	96	297741	24.510	ug/L #	99
22) 2-Butanone	7.167	43	180540	52.238	ug/L	99
23) Bromochloromethane	7.514	128	121292	24.347	ug/L	98
25) Chloroform	7.673	83	527576	24.732	ug/L	97

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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	349586	24.421	ug/L	98
29)	Cyclohexane	7.953	56	553108	24.630	ug/L	99
30)	1,1,1-Trichloroethane	7.868	97	423768	24.581	ug/L	98
31)	Carbon tetrachloride	8.069	117	384212	24.678	ug/L	98
33)	Benzene	8.319	78	1200858	24.866	ug/L	100
34)	Trichloroethene	9.087	95	302051	24.045	ug/L	97
35)	Methylcyclohexane	9.331	83	562220	24.786	ug/L	99
37)	1,2-Dichloropropane	9.367	63	320000	25.090	ug/L	100
38)	Bromodichloromethane	9.642	83	359768	24.653	ug/L	98
39)	cis-1,3-Dichloropropene	10.069	75	464905	25.411	ug/L	97
40)	4-Methyl-2-pentanone	10.209	43	364763	50.526	ug/L	100
42)	Toluene	10.386	91	1235673	25.127	ug/L	99
44)	trans-1,3-Dichloropropene	10.605	75	382441	25.350	ug/L	99
45)	1,1,2-Trichloroethane	10.782	97	200294	24.629	ug/L	97
46)	Tetrachloroethene	10.861	164	207902	23.532	ug/L	93
48)	2-Hexanone	10.965	43	258451	51.814	ug/L	97
49)	Dibromochloromethane	11.123	129	210625	24.599	ug/L	97
50)	1,2-Dibromoethane	11.233	107	184505	24.692	ug/L	98
51)	Chlorobenzene	11.654	112	748743	24.709	ug/L	98
52)	Ethylbenzene	11.727	91	1410697	25.350	ug/L	100
53)	m,p-Xylene	11.837	106	517409	25.353	ug/L	97
54)	o-Xylene	12.166	106	493627	25.856	ug/L	89
55)	Styrene	12.178	104	834579	25.971	ug/L	100
57)	1,1,2,2-Tetrachloroethane	12.714	83	239134	24.549	ug/L	98
59)	Bromoform	12.343	173	117735	25.631	ug/L	95
60)	Isopropylbenzene	12.458	105	1397732	26.618	ug/L	99
61)	1,2,3-Trichloropropane	12.763	75	171908	24.744	ug/L	98
62)	1,3,5-Trimethylbenzene	12.940	105	1122519	27.080	ug/L	100
63)	1,2,4-Trimethylbenzene	13.245	105	1053000	26.382	ug/L	98
64)	1,3-Dichlorobenzene	13.495	146	561987	25.826	ug/L	97
65)	1,4-Dichlorobenzene	13.574	146	547039	24.616	ug/L	95
67)	1,2-Dichlorobenzene	13.867	146	491387	25.758	ug/L	97
68)	1,2-Dibromo-3-chloropr...	14.482	75	37592	24.666	ug/L	92
69)	1,3,5-Trichlorobenzene	14.623	180	362180	24.860	ug/L	99
70)	1,2,4-trichlorobenzene	15.129	180	306368	25.887	ug/L	96
71)	Naphthalene	15.360	128	575682	26.069	ug/L	100
72)	1,2,3-Trichlorobenzene	15.549	180	254356	24.582	ug/L	89

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

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