Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW072222\
Data File : VW023990.D
Acq On : 22 Jul 2022 07:56
Operator : SY/VA
Sample : VSTDCCC025
Misc : 5.00g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD025502

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 07/23/2022
Supervised By :Mahesh Dadoda 07/24/2022

Quant Time: Jul 22 23:03:08 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM071322SMA.M
Quant Title : SFAM01.0
QLast Update : Fri Jul 22 01:28:21 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	8.835	114	226680	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.628	117	241664	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.554	152	146276	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.343	65	110908	19.156	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 76.640%			
7) Chloroethane-d5	2.873	69	75580	19.568	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 78.280%			
11) 1,1-Dichloroethene-d2	4.019	63	100201m	21.254	ug/L	0.01
Spiked Amount 25.000	Range 45 - 110		Recovery = 85.000%			
21) 2-Butanone-d5	7.074	46	42941	47.817	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 95.640%			
24) Chloroform-d	7.647	84	153027	23.187	ug/L	0.00
Spiked Amount 25.000	Range 40 - 150		Recovery = 92.760%			
26) 1,2-Dichloroethane-d4	8.299	65	87889	21.774	ug/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 87.080%			
32) Benzene-d6	8.275	84	274804	21.875	ug/L	0.00
Spiked Amount 25.000	Range 20 - 135		Recovery = 87.520%			
36) 1,2-Dichloropropane-d6	9.268	67	84212	22.254	ug/L	0.00
Spiked Amount 25.000	Range 70 - 120		Recovery = 89.000%			
41) Toluene-d8	10.323	98	273530	21.466	ug/L	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery = 85.880%			
43) trans-1,3-Dichloroprop...	10.579	79	38154	21.511	ug/L	0.00
Spiked Amount 25.000	Range 30 - 135		Recovery = 86.040%			
47) 2-Hexanone-d5	10.920	63	39794	50.011	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 100.020%			
56) 1,1,2,2-Tetrachloroeth...	12.688	84	106159	25.386	ug/L	0.00
Spiked Amount 25.000	Range 45 - 120		Recovery = 101.560%			
66) 1,2-Dichlorobenzene-d4	13.853	152	117120	22.429	ug/L	0.00
Spiked Amount 25.000	Range 75 - 120		Recovery = 89.720%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.001	85	32752	21.262	ug/L	98
3) Chloromethane	2.215	50	91299	24.202	ug/L	99
5) Vinyl chloride	2.355	62	156534	24.165	ug/L	99
6) Bromomethane	2.769	94	99981	23.862	ug/L	95
8) Chloroethane	2.916	64	71478	23.586	ug/L	99
9) Trichlorofluoromethane	3.245	101	83340	28.303	ug/L	97
10) 1,1,2-Trichloro-1,2,2-...	4.050	101	77824	27.007	ug/L	99
12) 1,1-Dichloroethene	4.031	96	58145	24.198	ug/L	92
13) Acetone	4.123	43	33330	52.495	ug/L	100
14) Carbon disulfide	4.379	76	151578	21.444	ug/L	97
15) Methyl Acetate	4.672	43	36392	25.610	ug/L	100
16) Methylene chloride	4.909	84	79775	22.506	ug/L	94
17) trans-1,2-Dichloroethene	5.421	96	73723	25.287	ug/L	95
18) Methyl tert-butyl Ether	5.428	73	118689	26.314	ug/L	99
19) 1,1-Dichloroethane	6.208	63	147416	27.412	ug/L	100
20) cis-1,2-Dichloroethene	7.165	96	86946	26.919	ug/L #	96
22) 2-Butanone	7.171	43	54469	52.203	ug/L	98
23) Bromochloromethane	7.506	128	42742	27.547	ug/L	95
25) Chloroform	7.671	83	173113	27.942	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	8.396	62	121332	26.609	ug/L		99
29) Cyclohexane	7.951	56	110746	25.056	ug/L		98
30) 1,1,1-Trichloroethane	7.866	97	141906	27.120	ug/L		98
31) Carbon tetrachloride	8.067	117	127584	27.048	ug/L		96
33) Benzene	8.317	78	361546	26.327	ug/L		100
34) Trichloroethene	9.085	95	90996	25.092	ug/L		96
35) Methylcyclohexane	9.335	83	140928	25.520	ug/L		97
37) 1,2-Dichloropropane	9.366	63	94759	27.523	ug/L		99
38) Bromodichloromethane	9.640	83	137820	28.681	ug/L		97
39) cis-1,3-Dichloropropene	10.073	75	136608	26.325	ug/L		95
40) 4-Methyl-2-pentanone	10.207	43	134237	56.029	ug/L		99
42) Toluene	10.384	91	429257	27.408	ug/L		97
44) trans-1,3-Dichloropropene	10.603	75	137435	27.864	ug/L		98
45) 1,1,2-Trichloroethane	10.786	97	81555	27.090	ug/L		96
46) Tetrachloroethene	10.859	164	73030	26.044	ug/L		96
48) 2-Hexanone	10.963	43	101098	57.958	ug/L		100
49) Dibromochloromethane	11.128	129	98300	28.156	ug/L		95
50) 1,2-Dibromoethane	11.231	107	79835	27.603	ug/L	#	95
51) Chlorobenzene	11.658	112	289997	27.454	ug/L		95
52) Ethylbenzene	11.725	91	504302	28.335	ug/L		95
53) m,p-Xylene	11.835	106	198677	28.612	ug/L		95
54) o-Xylene	12.164	106	191851	28.769	ug/L		97
55) Styrene	12.176	104	350451	29.747	ug/L		95
57) 1,1,2,2-Tetrachloroethane	12.713	83	116688	28.417	ug/L		99
59) Bromoform	12.347	173	58878	27.297	ug/L		99
60) Isopropylbenzene	12.463	105	530784	27.013	ug/L		99
61) 1,2,3-Trichloropropane	12.768	75	82217	25.633	ug/L		97
62) 1,3,5-Trimethylbenzene	12.938	105	443848	27.591	ug/L		99
63) 1,2,4-Trimethylbenzene	13.249	105	452356	28.125	ug/L		99
64) 1,3-Dichlorobenzene	13.493	146	239582	26.855	ug/L		93
65) 1,4-Dichlorobenzene	13.572	146	254739	26.839	ug/L		100
67) 1,2-Dichlorobenzene	13.865	146	234139	27.828	ug/L		99
68) 1,2-Dibromo-3-chloropr...	14.481	75	18874	25.513	ug/L		87
69) 1,3,5-Trichlorobenzene	14.621	180	158167	26.785	ug/L		92
70) 1,2,4-trichlorobenzene	15.127	180	129725	28.450	ug/L		98
71) Naphthalene	15.359	128	280101	28.637	ug/L		100
72) 1,2,3-Trichlorobenzene	15.554	180	119061	28.014	ug/L		98

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

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