Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122821\
Data File : VW021686.D
Acq On : 28 Dec 2021 22:47
Operator : SY/VA
Sample : VSTDCCC025EC
Misc : 5.00g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD025534

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 12/29/2021
Supervised By :Mahesh Dadoda 12/30/2021

Quant Time: Dec 29 00:28:08 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM122821SMA.M
Quant Title : SFAM01.0
QLast Update : Wed Dec 29 00:22:49 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	8.842	114	84019	25.00	ug/L	# 0.00
28) Chlorobenzene-d5	11.628	117	86270	25.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.554	152	52965	25.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.343	65	47226	28.51	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 114.04%			
7) Chloroethane-d5	2.879	69	30702	27.52	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 110.08%			
11) 1,1-Dichloroethene-d2	4.013	63	59227	24.43	ug/L	-0.01
Spiked Amount 25.000	Range 45 - 110		Recovery = 97.72%			
21) 2-Butanone-d5	7.092	46	12547	51.77	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 103.54%			
24) Chloroform-d	7.653	84	68988	26.29	ug/L	0.00
Spiked Amount 25.000	Range 40 - 150		Recovery = 105.16%			
26) 1,2-Dichloroethane-d4	8.305	65	36035	26.00	ug/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 104.00%			
32) Benzene-d6	8.275	84	128914	25.17	ug/L	0.00
Spiked Amount 25.000	Range 20 - 135		Recovery = 100.68%			
36) 1,2-Dichloropropane-d6	9.274	67	34598	24.90	ug/L	0.00
Spiked Amount 25.000	Range 70 - 120		Recovery = 99.60%			
41) Toluene-d8	10.323	98	128075	25.09	ug/L	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery = 100.36%			
43) trans-1,3-Dichloroprop...	10.579	79	16974	25.10	ug/L	0.00
Spiked Amount 25.000	Range 30 - 135		Recovery = 100.40%			
47) 2-Hexanone-d5	10.927	63	10979	52.10	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 104.20%			
56) 1,1,2,2-Tetrachloroeth...	12.688	84	29505	25.75	ug/L	0.00
Spiked Amount 25.000	Range 45 - 120		Recovery = 103.00%			
66) 1,2-Dichlorobenzene-d4	13.847	152	48849	24.12	ug/L	0.00
Spiked Amount 25.000	Range 75 - 120		Recovery = 96.48%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.007	85	15014	30.14	ug/L	96
3) Chloromethane	2.209	50	35328	27.45	ug/L	99
5) Vinyl chloride	2.355	62	50386	26.55	ug/L	94
6) Bromomethane	2.776	94	32798	26.56	ug/L	98
8) Chloroethane	2.916	64	23419	25.90	ug/L	98
9) Trichlorofluoromethane	3.251	101	26032	22.80	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	4.056	101	34034	24.47	ug/L	90
12) 1,1-Dichloroethene	4.038	96	30343	24.40	ug/L	85
13) Acetone	4.153	43	8799	42.76	ug/L	69
14) Carbon disulfide	4.385	76	91601	25.45	ug/L	100
15) Methyl Acetate	4.684	43	10085m	25.69	ug/L	
16) Methylene chloride	4.909	84	34283	22.86	ug/L	80
17) trans-1,2-Dichloroethene	5.428	96	33116	25.20	ug/L	84
18) Methyl tert-butyl Ether	5.434	73	47108	25.75	ug/L #	81
19) 1,1-Dichloroethane	6.214	63	52250	25.49	ug/L	99
20) cis-1,2-Dichloroethene	7.165	96	34846	25.55	ug/L	72
22) 2-Butanone	7.189	43	13307	47.57	ug/L	87
23) Bromochloromethane	7.519	128	17131	25.98	ug/L #	61
25) Chloroform	7.677	83	60207	25.46	ug/L	97

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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
27) 1,2-Dichloroethane	8.403	62	38998	25.43	ug/L		97
29) Cyclohexane	7.952	56	45961	23.04	ug/L	#	79
30) 1,1,1-Trichloroethane	7.872	97	54191	23.81	ug/L		94
31) Carbon tetrachloride	8.067	117	52654	23.79	ug/L		99
33) Benzene	8.323	78	125737	23.89	ug/L		100
34) Trichloroethene	9.092	95	35842	23.99	ug/L		95
35) Methylcyclohexane	9.335	83	56941	23.10	ug/L	#	83
37) 1,2-Dichloropropane	9.366	63	28576	24.50	ug/L	#	96
38) Bromodichloromethane	9.646	83	44964	25.25	ug/L	#	98
39) cis-1,3-Dichloropropene	10.073	75	47545	24.94	ug/L		98
40) 4-Methyl-2-pentanone	10.207	43	31494	49.01	ug/L	#	93
42) Toluene	10.390	91	144845	23.84	ug/L		99
44) trans-1,3-Dichloropropene	10.603	75	41993	24.52	ug/L		95
45) 1,1,2-Trichloroethane	10.786	97	23828	24.59	ug/L		91
46) Tetrachloroethene	10.860	164	32602	23.30	ug/L		94
48) 2-Hexanone	10.969	43	21426	49.10	ug/L	#	93
49) Dibromochloromethane	11.128	129	33654	25.85	ug/L		100
50) 1,2-Dibromoethane	11.238	107	24153	24.82	ug/L	#	98
51) Chlorobenzene	11.658	112	94590	24.13	ug/L		93
52) Ethylbenzene	11.731	91	158493	23.24	ug/L		97
53) m,p-Xylene	11.841	106	65341	23.91	ug/L		92
54) o-Xylene	12.164	106	62500	24.13	ug/L		91
55) Styrene	12.176	104	109375	24.59	ug/L		91
57) 1,1,2,2-Tetrachloroethane	12.713	83	26772	24.98	ug/L	#	96
59) Bromoform	12.347	173	21440	27.74	ug/L		95
60) Isopropylbenzene	12.463	105	170370	23.08	ug/L		96
61) 1,2,3-Trichloropropane	12.768	75	18994	23.44	ug/L	#	91
62) 1,3,5-Trimethylbenzene	12.938	105	147057	23.56	ug/L		94
63) 1,2,4-Trimethylbenzene	13.249	105	146832	23.68	ug/L		96
64) 1,3-Dichlorobenzene	13.499	146	81033	23.25	ug/L		94
65) 1,4-Dichlorobenzene	13.572	146	81375	23.41	ug/L		87
67) 1,2-Dichlorobenzene	13.865	146	73415	24.12	ug/L		96
68) 1,2-Dibromo-3-chloropr...	14.481	75	4658	26.10	ug/L	#	80
69) 1,3,5-Trichlorobenzene	14.627	180	63688	24.87	ug/L		98
70) 1,2,4-trichlorobenzene	15.127	180	50782	24.84	ug/L		92
71) Naphthalene	15.359	128	84280	25.34	ug/L		100
72) 1,2,3-Trichlorobenzene	15.554	180	43866	25.49	ug/L		97

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

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