Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW053023\
Data File : VW026084.D
Acq On : 30 May 2023 12:34
Operator : SY/MD
Sample : VSTDICV025
Misc : 5.00g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VICV464

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 05/31/2023
Supervised By :Mahesh Dadoda 05/31/2023

Quant Time: May 31 01:51:27 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM053023SMA.M
Quant Title : SFAM01.0
QLast Update : Wed May 31 01:45:52 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) 1,4-Difluorobenzene	8.843	114	801615	25.000 ug/L	0.00
28) Chlorobenzene-d5	11.629	117	696646	25.000 ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.556	152	351045	25.000 ug/L	0.00
System Monitoring Compounds					
4) Vinyl Chloride-d3	2.363	65	270774	24.011 ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 96.040%		
7) Chloroethane-d5	2.893	69	211794	25.089 ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 100.360%		
11) 1,1-Dichloroethene-d2	4.021	65	151869	27.312 ug/L	0.00
Spiked Amount 25.000	Range 45 - 110		Recovery = 109.240%		
21) 2-Butanone-d5	7.075	46	176595	53.788 ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 107.580%		
24) Chloroform-d	7.648	84	604322	25.744 ug/L	0.00
Spiked Amount 25.000	Range 40 - 150		Recovery = 102.960%		
26) 1,2-Dichloroethane-d4	8.307	65	327273	25.496 ug/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 102.000%		
32) Benzene-d6	8.270	84	1230634	26.253 ug/L	0.00
Spiked Amount 25.000	Range 20 - 135		Recovery = 105.000%		
36) 1,2-Dichloropropane-d6	9.276	67	392585	26.435 ug/L	0.00
Spiked Amount 25.000	Range 70 - 120		Recovery = 105.760%		
41) Toluene-d8	10.325	98	1081181	26.008 ug/L	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery = 104.040%		
43) trans-1,3-Dichloroprop...	10.575	79	150145	25.513 ug/L	0.00
Spiked Amount 25.000	Range 30 - 135		Recovery = 102.040%		
47) 2-Hexanone-d5	10.922	63	125972	53.796 ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 107.600%		
56) 1,1,2,2-Tetrachloroeth...	12.690	84	279677	25.880 ug/L	0.00
Spiked Amount 25.000	Range 45 - 120		Recovery = 103.520%		
66) 1,2-Dichlorobenzene-d4	13.849	152	330676	24.610 ug/L	0.00
Spiked Amount 25.000	Range 75 - 120		Recovery = 98.440%		
Target Compounds					Qvalue
2) Dichlorodifluoromethane	2.015	85	228695m	23.273 ug/L	
3) Chloromethane	2.223	50	302049	23.972 ug/L	97
5) Vinyl chloride	2.375	62	281560	20.905 ug/L	98
6) Bromomethane	2.783	94	153316	20.881 ug/L	98
8) Chloroethane	2.930	64	157933	21.700 ug/L	99
9) Trichlorofluoromethane	3.265	101	189601	21.882 ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	4.076	101	247510	22.638 ug/L	98
12) 1,1-Dichloroethene	4.045	96	236274	23.150 ug/L	94
13) Acetone	4.119	43	107978	42.504 ug/L	99
14) Carbon disulfide	4.393	76	826850	22.949 ug/L	99
15) Methyl Acetate	4.667	43	137464	24.110 ug/L	99
16) Methylene chloride	4.923	84	284126	22.207 ug/L	97
17) trans-1,2-Dichloroethene	5.423	96	259798	22.688 ug/L	94
18) Methyl tert-butyl Ether	5.423	73	418537	23.190 ug/L	99
19) 1,1-Dichloroethane	6.216	63	496197	21.284 ug/L	99
20) cis-1,2-Dichloroethene	7.167	96	284194	23.430 ug/L	99
22) 2-Butanone	7.167	43	171984	47.459 ug/L	95
23) Bromochloromethane	7.514	128	116680	22.556 ug/L	96
25) Chloroform	7.679	83	497166	22.897 ug/L	99

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM053023SMA.M
Quant Title : SFAM01.0
QLast Update : Wed May 31 01:45:52 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	8.398	62	348023	23.239	ug/L	97
29) Cyclohexane	7.953	56	494049	22.971	ug/L	98
30) 1,1,1-Trichloroethane	7.868	97	382634	22.633	ug/L	98
31) Carbon tetrachloride	8.069	117	343367	22.257	ug/L	100
33) Benzene	8.325	78	1126451	23.604	ug/L	100
34) Trichloroethene	9.093	95	283052	23.163	ug/L	96
35) Methylcyclohexane	9.337	83	495579	22.919	ug/L	99
37) 1,2-Dichloropropane	9.368	63	305442	23.630	ug/L	100
38) Bromodichloromethane	9.642	83	333191	22.187	ug/L	98
39) cis-1,3-Dichloropropene	10.069	75	428061	22.535	ug/L	98
40) 4-Methyl-2-pentanone	10.209	43	359319	47.151	ug/L	98
42) Toluene	10.386	91	1151387	23.588	ug/L	97
44) trans-1,3-Dichloropropene	10.605	75	362114	22.883	ug/L	100
45) 1,1,2-Trichloroethane	10.782	97	193696	22.737	ug/L	99
46) Tetrachloroethene	10.861	164	193671	22.407	ug/L	95
48) 2-Hexanone	10.965	43	258236	48.059	ug/L	99
49) Dibromochloromethane	11.130	129	208838	23.382	ug/L	96
50) 1,2-Dibromoethane	11.233	107	178432	22.621	ug/L	92
51) Chlorobenzene	11.654	112	695639	22.743	ug/L	97
52) Ethylbenzene	11.727	91	1290389	23.435	ug/L	99
53) m,p-Xylene	11.837	106	475824	23.229	ug/L	97
54) o-Xylene	12.166	106	426556	22.063	ug/L	100
55) Styrene	12.178	104	744404	22.443	ug/L	99
57) 1,1,2,2-Tetrachloroethane	12.715	83	239058	23.188	ug/L	98
59) Bromoform	12.349	173	106703	20.237	ug/L	98
60) Isopropylbenzene	12.459	105	1191400	21.604	ug/L	99
61) 1,2,3-Trichloropropane	12.763	75	177406	22.561	ug/L	99
62) 1,3,5-Trimethylbenzene	12.940	105	999517	22.800	ug/L	99
63) 1,2,4-Trimethylbenzene	13.245	105	925611	23.053	ug/L	98
64) 1,3-Dichlorobenzene	13.495	146	525022	22.643	ug/L	95
65) 1,4-Dichlorobenzene	13.574	146	513421	21.993	ug/L	98
67) 1,2-Dichlorobenzene	13.867	146	462429	22.209	ug/L	97
68) 1,2-Dibromo-3-chloropr...	14.476	75	39443	21.650	ug/L	87
69) 1,3,5-Trichlorobenzene	14.623	180	323708	20.323	ug/L	99
70) 1,2,4-trichlorobenzene	15.129	180	279394	21.258	ug/L	93
71) Naphthalene	15.360	128	521502	22.263	ug/L	100
72) 1,2,3-Trichlorobenzene	15.549	180	231845	20.184	ug/L	99

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

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