Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW061923\
Data File : VW026240.D
Acq On : 19 Jun 2023 10:30
Operator : SY/MD
Sample : VSTDCCC025
Misc : 5.00g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD025523

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 06/20/2023
Supervised By :Mahesh Dadoda 06/26/2023

Quant Time: Jun 20 03:16:56 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM053023SMA.M
Quant Title : SFAM01.0
QLast Update : Fri Jun 16 23:58:43 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	8.843	114	655925	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.629	117	586888	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.556	152	293842	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.363	65	183430	19.879	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 79.520%			
7) Chloroethane-d5	2.893	69	170152	24.633	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 98.520%			
11) 1,1-Dichloroethene-d2	4.021	65	99254	21.814	ug/L	0.00
Spiked Amount 25.000	Range 45 - 110		Recovery = 87.240%			
21) 2-Butanone-d5	7.075	46	160850	59.875	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 119.740%			
24) Chloroform-d	7.648	84	452157	23.540	ug/L	0.00
Spiked Amount 25.000	Range 40 - 150		Recovery = 94.160%			
26) 1,2-Dichloroethane-d4	8.307	65	246711	23.489	ug/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 93.960%			
32) Benzene-d6	8.276	84	879850	22.280	ug/L	0.00
Spiked Amount 25.000	Range 20 - 135		Recovery = 89.120%			
36) 1,2-Dichloropropane-d6	9.276	67	286244	22.879	ug/L	0.00
Spiked Amount 25.000	Range 70 - 120		Recovery = 91.520%			
41) Toluene-d8	10.319	98	756798	21.609	ug/L	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery = 86.440%			
43) trans-1,3-Dichloroprop...	10.575	79	106063	21.393	ug/L	0.00
Spiked Amount 25.000	Range 30 - 135		Recovery = 85.560%			
47) 2-Hexanone-d5	10.922	63	106857	54.167	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 108.340%			
56) 1,1,2,2-Tetrachloroeth...	12.690	84	232512	25.539	ug/L	0.00
Spiked Amount 25.000	Range 45 - 120		Recovery = 102.160%			
66) 1,2-Dichlorobenzene-d4	13.849	152	246485	21.916	ug/L	0.00
Spiked Amount 25.000	Range 75 - 120		Recovery = 87.680%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.015	85	214195m	26.638	ug/L	
3) Chloromethane	2.223	50	254013	24.637	ug/L	99
5) Vinyl chloride	2.375	62	286504	25.997	ug/L	97
6) Bromomethane	2.783	94	151757	25.259	ug/L	95
8) Chloroethane	2.936	64	170961	28.707	ug/L	97
9) Trichlorofluoromethane	3.265	101	204076	28.783	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	4.070	101	228938	25.590	ug/L	100
12) 1,1-Dichloroethene	4.045	96	213664	25.584	ug/L #	73
13) Acetone	4.125	43	140936	67.800	ug/L	97
14) Carbon disulfide	4.387	76	661904	22.452	ug/L	100
15) Methyl Acetate	4.667	43	126957	27.213	ug/L	100
16) Methylene chloride	4.911	84	238606	22.792	ug/L	98
17) trans-1,2-Dichloroethene	5.423	96	229568	24.500	ug/L	95
18) Methyl tert-butyl Ether	5.423	73	366841	24.841	ug/L	99
19) 1,1-Dichloroethane	6.216	63	482706	25.305	ug/L	99
20) cis-1,2-Dichloroethene	7.173	96	247128	24.899	ug/L	96
22) 2-Butanone	7.167	43	184864	62.344	ug/L	98
23) Bromochloromethane	7.514	128	103360	24.419	ug/L	93
25) Chloroform	7.679	83	446971	25.157	ug/L	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	8.398	62	307020	25.055	ug/L	98
29) Cyclohexane	7.953	56	442436	24.418	ug/L	99
30) 1,1,1-Trichloroethane	7.874	97	370345	26.003	ug/L	99
31) Carbon tetrachloride	8.069	117	329626	25.362	ug/L	98
33) Benzene	8.325	78	1003782	24.967	ug/L	100
34) Trichloroethene	9.087	95	251027	24.384	ug/L	94
35) Methylcyclohexane	9.337	83	451333	24.776	ug/L	100
37) 1,2-Dichloropropane	9.368	63	274191	25.180	ug/L	100
38) Bromodichloromethane	9.642	83	316710	25.034	ug/L	99
39) cis-1,3-Dichloropropene	10.075	75	399686	24.977	ug/L	100
40) 4-Methyl-2-pentanone	10.209	43	352335	54.881	ug/L	100
42) Toluene	10.386	91	1038733	25.260	ug/L	97
44) trans-1,3-Dichloropropene	10.605	75	335060	25.133	ug/L	96
45) 1,1,2-Trichloroethane	10.782	97	183430	25.559	ug/L	98
46) Tetrachloroethene	10.861	164	175316	24.077	ug/L	95
48) 2-Hexanone	10.965	43	260583	57.565	ug/L	96
49) Dibromochloromethane	11.130	129	190784	25.355	ug/L	93
50) 1,2-Dibromoethane	11.233	107	165237	24.866	ug/L	99
51) Chlorobenzene	11.654	112	631482	24.506	ug/L	96
52) Ethylbenzene	11.727	91	1188513	25.622	ug/L	97
53) m,p-Xylene	11.837	106	433435	25.117	ug/L	94
54) o-Xylene	12.166	106	409972	25.171	ug/L	100
55) Styrene	12.178	104	710624	25.432	ug/L	100
57) 1,1,2,2-Tetrachloroethane	12.715	83	228266	26.282	ug/L	99
59) Bromoform	12.349	173	104779	23.741	ug/L	99
60) Isopropylbenzene	12.465	105	1142324	24.747	ug/L	98
61) 1,2,3-Trichloropropane	12.763	75	166290	25.264	ug/L	98
62) 1,3,5-Trimethylbenzene	12.940	105	918980	25.043	ug/L	99
63) 1,2,4-Trimethylbenzene	13.245	105	820119	24.401	ug/L	99
64) 1,3-Dichlorobenzene	13.495	146	461363	23.771	ug/L	98
65) 1,4-Dichlorobenzene	13.574	146	460651	23.574	ug/L	93
67) 1,2-Dichlorobenzene	13.867	146	416511	23.898	ug/L	97
68) 1,2-Dibromo-3-chloropr...	14.483	75	35484	23.269	ug/L	94
69) 1,3,5-Trichlorobenzene	14.623	180	311268	23.347	ug/L	99
70) 1,2,4-trichlorobenzene	15.129	180	257695	23.424	ug/L	92
71) Naphthalene	15.360	128	480813	24.522	ug/L	100
72) 1,2,3-Trichlorobenzene	15.549	180	224295	23.329	ug/L	100

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

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