Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW033023\
Data File : VW025517.D
Acq On : 30 Mar 2023 21:22
Operator : SY/MD
Sample : VSTDCCC025EC
Misc : 5.00g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD025561

Quant Time: Mar 31 02:27:04 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM030623SMA.M
Quant Title : SFAM01.0
QLast Update : Fri Mar 31 02:21:49 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	8.843	114	668392	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.629	117	598382	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.556	152	306940	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.363	65	189762	17.075	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 68.320%			
7) Chloroethane-d5	2.899	69	163751	20.478	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 81.920%			
11) 1,1-Dichloroethene-d2	4.033	63	441339	20.561	ug/L	0.00
Spiked Amount 25.000	Range 45 - 110		Recovery = 82.240%			
21) 2-Butanone-d5	7.075	46	143245	52.512	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 105.020%			
24) Chloroform-d	7.648	84	478980	24.858	ug/L	0.00
Spiked Amount 25.000	Range 40 - 150		Recovery = 99.440%			
26) 1,2-Dichloroethane-d4	8.307	65	258303	24.975	ug/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 99.920%			
32) Benzene-d6	8.276	84	949286	23.217	ug/L	0.00
Spiked Amount 25.000	Range 20 - 135		Recovery = 92.880%			
36) 1,2-Dichloropropane-d6	9.270	67	304310	24.058	ug/L	0.00
Spiked Amount 25.000	Range 70 - 120		Recovery = 96.240%			
41) Toluene-d8	10.318	98	829573	23.012	ug/L	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery = 92.040%			
43) trans-1,3-Dichloroprop...	10.574	79	113498	22.534	ug/L	0.00
Spiked Amount 25.000	Range 30 - 135		Recovery = 90.120%			
47) 2-Hexanone-d5	10.922	63	97709	53.720	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 107.440%			
56) 1,1,2,2-Tetrachloroeth...	12.690	84	236469	25.518	ug/L	0.00
Spiked Amount 25.000	Range 45 - 120		Recovery = 102.080%			
66) 1,2-Dichlorobenzene-d4	13.848	152	266849	23.378	ug/L	0.00
Spiked Amount 25.000	Range 75 - 120		Recovery = 93.520%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.015	85	150022	19.640	ug/L	90
3) Chloromethane	2.222	50	228532	25.156	ug/L	100
5) Vinyl chloride	2.375	62	251470	24.501	ug/L	99
6) Bromomethane	2.789	94	140139	25.610	ug/L	100
8) Chloroethane	2.936	64	155231	26.315	ug/L	96
9) Trichlorofluoromethane	3.265	101	178259	20.066	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	4.076	101	213754	24.812	ug/L	99
12) 1,1-Dichloroethene	4.051	96	206680	24.797	ug/L	98
13) Acetone	4.118	43	102694	39.162	ug/L	99
14) Carbon disulfide	4.393	76	634959	24.502	ug/L	99
15) Methyl Acetate	4.667	43	125472	25.505	ug/L	97
16) Methylene chloride	4.917	84	252902	27.173	ug/L	96
17) trans-1,2-Dichloroethene	5.429	96	230947	26.432	ug/L	94
18) Methyl tert-butyl Ether	5.423	73	360474	27.404	ug/L	99
19) 1,1-Dichloroethane	6.215	63	502357	27.764	ug/L	98
20) cis-1,2-Dichloroethene	7.173	96	258363	27.007	ug/L #	96
22) 2-Butanone	7.167	43	158915	46.846	ug/L	99
23) Bromochloromethane	7.514	128	110108	26.765	ug/L	94
25) Chloroform	7.673	83	470267	27.648	ug/L	97

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Quant Title : SFAM01.0
QLast Update : Fri Mar 31 02:21:49 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	8.398	62	317342	27.957	ug/L	98
29) Cyclohexane	7.959	56	426803	25.269	ug/L	99
30) 1,1,1-Trichloroethane	7.874	97	355363	24.982	ug/L	99
31) Carbon tetrachloride	8.069	117	310199	24.328	ug/L	99
33) Benzene	8.325	78	1047780	27.388	ug/L	100
34) Trichloroethene	9.093	95	257127	25.607	ug/L	95
35) Methylcyclohexane	9.337	83	426755	24.672	ug/L	99
37) 1,2-Dichloropropane	9.367	63	287243	27.276	ug/L	100
38) Bromodichloromethane	9.642	83	327557	26.671	ug/L	98
39) cis-1,3-Dichloropropene	10.068	75	400244	26.382	ug/L	96
40) 4-Methyl-2-pentanone	10.209	43	351267	55.498	ug/L	99
42) Toluene	10.385	91	1077770	27.285	ug/L	95
44) trans-1,3-Dichloropropene	10.605	75	329781	25.957	ug/L	99
45) 1,1,2-Trichloroethane	10.782	97	188727	26.686	ug/L	98
46) Tetrachloroethene	10.861	164	179723	25.155	ug/L	98
48) 2-Hexanone	10.965	43	240152	52.738	ug/L	99
49) Dibromochloromethane	11.129	129	193966	25.669	ug/L	100
50) 1,2-Dibromoethane	11.233	107	170566	26.056	ug/L	95
51) Chlorobenzene	11.654	112	657439	26.225	ug/L	99
52) Ethylbenzene	11.727	91	1208662	26.829	ug/L	97
53) m,p-Xylene	11.836	106	445954	26.839	ug/L	98
54) o-Xylene	12.166	106	429366	27.461	ug/L	98
55) Styrene	12.178	104	752480	28.182	ug/L	97
57) 1,1,2,2-Tetrachloroethane	12.714	83	230630	26.217	ug/L	99
59) Bromoform	12.342	173	108709	24.548	ug/L	99
60) Isopropylbenzene	12.458	105	1169743	25.565	ug/L	99
61) 1,2,3-Trichloropropane	12.763	75	168067	25.132	ug/L	99
62) 1,3,5-Trimethylbenzene	12.940	105	966224	26.663	ug/L	97
63) 1,2,4-Trimethylbenzene	13.245	105	949825	26.606	ug/L	100
64) 1,3-Dichlorobenzene	13.495	146	492108	25.381	ug/L	95
65) 1,4-Dichlorobenzene	13.574	146	495971	24.938	ug/L	97
67) 1,2-Dichlorobenzene	13.867	146	441948	25.415	ug/L	95
68) 1,2-Dibromo-3-chloropr...	14.482	75	35755	23.095	ug/L	95
69) 1,3,5-Trichlorobenzene	14.623	180	307122	23.303	ug/L	99
70) 1,2,4-trichlorobenzene	15.129	180	270888	24.789	ug/L	99
71) Naphthalene	15.360	128	558228	25.879	ug/L	99
72) 1,2,3-Trichlorobenzene	15.549	180	249301	25.400	ug/L	97

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

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