Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW020624\
Data File : VW027975.D
Acq On : 06 Feb 2024 16:51
Operator : SY/MD
Sample : VSTDCCC025EC
Misc : 5.00g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD025598

Quant Time: Feb 06 23:53:45 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM020524SMA.M
Quant Title : SFAM01.0
QLast Update : Tue Feb 06 23:51:08 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	8.843	114	311075	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.629	117	290610	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.555	152	152945	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.368	65	76440	20.980	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 83.920%			
7) Chloroethane-d5	2.899	69	64981	23.515	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 94.040%			
11) 1,1-Dichloroethene-d2	4.021	65	32512	20.855	ug/L	0.00
Spiked Amount 25.000	Range 45 - 110		Recovery = 83.440%			
21) 2-Butanone-d5	7.087	46	32716	57.791	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 115.580%			
24) Chloroform-d	7.648	84	161379	22.187	ug/L	0.00
Spiked Amount 25.000	Range 40 - 150		Recovery = 88.760%			
26) 1,2-Dichloroethane-d4	8.306	65	78869	24.008	ug/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 96.040%			
32) Benzene-d6	8.270	84	330163	21.234	ug/L	0.00
Spiked Amount 25.000	Range 20 - 135		Recovery = 84.920%			
36) 1,2-Dichloropropane-d6	9.270	67	90847	21.550	ug/L	0.00
Spiked Amount 25.000	Range 70 - 120		Recovery = 86.200%			
41) Toluene-d8	10.318	98	319662	21.487	ug/L	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery = 85.960%			
43) trans-1,3-Dichloroprop...	10.574	79	40462	23.339	ug/L	0.00
Spiked Amount 25.000	Range 30 - 135		Recovery = 93.360%			
47) 2-Hexanone-d5	10.922	63	33562	58.529	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 117.060%			
56) 1,1,2,2-Tetrachloroeth...	12.690	84	81108	25.741	ug/L	0.00
Spiked Amount 25.000	Range 45 - 120		Recovery = 102.960%			
66) 1,2-Dichlorobenzene-d4	13.848	152	119690	23.024	ug/L	0.00
Spiked Amount 25.000	Range 75 - 120		Recovery = 92.080%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.015	85	59959	22.383	ug/L	93
3) Chloromethane	2.222	50	62972	21.405	ug/L	97
5) Vinyl chloride	2.374	62	86473	21.686	ug/L	100
6) Bromomethane	2.789	94	63033	22.372	ug/L	95
8) Chloroethane	2.929	64	54993	24.409	ug/L	95
9) Trichlorofluoromethane	3.271	101	75694	20.888	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	4.069	101	82905	22.697	ug/L	98
12) 1,1-Dichloroethene	4.045	96	77592	22.835	ug/L	94
13) Acetone	4.142	43	35284	64.097	ug/L	95
14) Carbon disulfide	4.386	76	206585	20.536	ug/L	100
15) Methyl Acetate	4.679	43	26290	28.688	ug/L	98
16) Methylene chloride	4.917	84	93328	24.003	ug/L	98
17) trans-1,2-Dichloroethene	5.429	96	84358	23.107	ug/L	96
18) Methyl tert-butyl Ether	5.429	73	116194	26.847	ug/L	99
19) 1,1-Dichloroethane	6.215	63	141156	23.801	ug/L	99
20) cis-1,2-Dichloroethene	7.166	96	92170	23.909	ug/L	95
22) 2-Butanone	7.179	43	40194	63.254	ug/L	96
23) Bromochloromethane	7.514	128	41762	24.388	ug/L	89
25) Chloroform	7.672	83	155191	24.341	ug/L	95

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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	8.398	62	92480	26.047	ug/L		97
29) Cyclohexane	7.959	56	114777	22.159	ug/L		97
30) 1,1,1-Trichloroethane	7.874	97	126003	22.461	ug/L		98
31) Carbon tetrachloride	8.069	117	116466	22.441	ug/L		100
33) Benzene	8.319	78	331442	22.835	ug/L		100
34) Trichloroethene	9.093	95	92410	22.177	ug/L		93
35) Methylcyclohexane	9.331	83	153983	22.457	ug/L		98
37) 1,2-Dichloropropane	9.367	63	80255	23.530	ug/L		100
38) Bromodichloromethane	9.642	83	111412	24.471	ug/L		97
39) cis-1,3-Dichloropropene	10.068	75	134289	24.564	ug/L		98
40) 4-Methyl-2-pentanone	10.208	43	76330	59.291	ug/L		99
42) Toluene	10.385	91	377741	23.211	ug/L		99
44) trans-1,3-Dichloropropene	10.599	75	110076	25.368	ug/L		99
45) 1,1,2-Trichloroethane	10.782	97	70095	25.964	ug/L		98
46) Tetrachloroethene	10.861	164	76971	21.953	ug/L		93
48) 2-Hexanone	10.964	43	60325	61.866	ug/L		99
49) Dibromochloromethane	11.129	129	78933	25.645	ug/L		94
50) 1,2-Dibromoethane	11.233	107	65923	26.160	ug/L		92
51) Chlorobenzene	11.653	112	248619	22.969	ug/L		97
52) Ethylbenzene	11.726	91	434497	23.680	ug/L		98
53) m,p-Xylene	11.836	106	171788	23.873	ug/L		96
54) o-Xylene	12.159	106	160159	23.731	ug/L		99
55) Styrene	12.178	104	276971	24.639	ug/L		100
57) 1,1,2,2-Tetrachloroethane	12.708	83	79005	27.328	ug/L		95
59) Bromoform	12.342	173	48902	27.089	ug/L	#	97
60) Isopropylbenzene	12.458	105	444337	23.268	ug/L		99
61) 1,2,3-Trichloropropane	12.763	75	55382	27.132	ug/L		98
62) 1,3,5-Trimethylbenzene	12.940	105	360166	23.568	ug/L		100
63) 1,2,4-Trimethylbenzene	13.245	105	367373	24.567	ug/L		97
64) 1,3-Dichlorobenzene	13.494	146	207715	23.678	ug/L		95
65) 1,4-Dichlorobenzene	13.574	146	201516	22.593	ug/L		92
67) 1,2-Dichlorobenzene	13.866	146	193494	24.972	ug/L		97
68) 1,2-Dibromo-3-chloropr...	14.482	75	11510	28.402	ug/L		90
69) 1,3,5-Trichlorobenzene	14.622	180	139347	22.121	ug/L		92
70) 1,2,4-trichlorobenzene	15.128	180	123047	24.189	ug/L		97
71) Naphthalene	15.360	128	231191	29.247	ug/L		99
72) 1,2,3-Trichlorobenzene	15.549	180	102009	24.035	ug/L		95

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

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