Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD040323\
Data File : VD075563.D
Acq On : 03 Apr 2023 10:15
Operator : KP/SY
Sample : VSTDCCC025
Misc : 5.00G/10.00ml/MSVOA_D/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VSTD025119

Quant Time: Apr 04 01:48:31 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM033123SMA.M
Quant Title : SFAM01.0
QLast Update : Sat Apr 01 00:08:20 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	8.775	114	413902	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.581	117	366179	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.522	152	227229	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.275	65	266752	27.680	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 110.720%			
7) Chloroethane-d5	2.805	69	242993	28.336	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 113.360%			
11) 1,1-Dichloroethene-d2	3.922	63	215713	27.751	ug/L	0.00
Spiked Amount 25.000	Range 45 - 110		Recovery = 111.000%#			
21) 2-Butanone-d5	6.987	46	37107	59.128	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 118.260%			
24) Chloroform-d	7.569	84	261467	26.794	ug/L	0.00
Spiked Amount 25.000	Range 40 - 150		Recovery = 107.160%			
26) 1,2-Dichloroethane-d4	8.228	65	108364	25.058	ug/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 100.240%			
32) Benzene-d6	8.204	84	564668	26.377	ug/L	0.00
Spiked Amount 25.000	Range 20 - 135		Recovery = 105.520%			
36) 1,2-Dichloropropane-d6	9.210	67	151121	26.488	ug/L	0.00
Spiked Amount 25.000	Range 70 - 120		Recovery = 105.960%			
41) Toluene-d8	10.269	98	538186	26.811	ug/L	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery = 107.240%			
43) trans-1,3-Dichloroprop...	10.528	79	63816	26.833	ug/L	0.00
Spiked Amount 25.000	Range 30 - 135		Recovery = 107.320%			
47) 2-Hexanone-d5	10.881	63	34033	50.410	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 100.820%			
56) 1,1,2,2-Tetrachloroeth...	12.651	84	112444	26.309	ug/L	0.00
Spiked Amount 25.000	Range 45 - 120		Recovery = 105.240%			
66) 1,2-Dichlorobenzene-d4	13.816	152	202161	25.936	ug/L	0.00
Spiked Amount 25.000	Range 75 - 120		Recovery = 103.760%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.934	85	86955	22.417	ug/L	97
3) Chloromethane	2.152	50	116810	23.012	ug/L	99
5) Vinyl chloride	2.287	62	177075	22.383	ug/L	99
6) Bromomethane	2.699	94	118648	21.981	ug/L	99
8) Chloroethane	2.840	64	130646	23.705	ug/L	98
9) Trichlorofluoromethane	3.181	101	166640	24.226	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	3.975	101	121474	25.421	ug/L	99
12) 1,1-Dichloroethene	3.940	96	98095	24.849	ug/L	88
13) Acetone	4.016	43	32556	49.464	ug/L	95
14) Carbon disulfide	4.275	76	212082	22.456	ug/L	99
15) Methyl Acetate	4.563	43	28326	25.681	ug/L	99
16) Methylene chloride	4.799	84	112180	19.717	ug/L	96
17) trans-1,2-Dichloroethene	5.316	96	104254	24.876	ug/L	94
18) Methyl tert-butyl Ether	5.316	73	212187	26.629	ug/L #	91
19) 1,1-Dichloroethane	6.110	63	175619	24.446	ug/L	98
20) cis-1,2-Dichloroethene	7.081	96	130017	26.421	ug/L	98
22) 2-Butanone	7.081	43	39115	49.891	ug/L	99
23) Bromochloromethane	7.428	128	57561	24.808	ug/L	99
25) Chloroform	7.593	83	214867	24.970	ug/L	100

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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	8.328	62	105692	23.763	ug/L	98
29) Cyclohexane	7.881	56	110016	24.619	ug/L	99
30) 1,1,1-Trichloroethane	7.793	97	179251	24.849	ug/L	98
31) Carbon tetrachloride	7.993	117	144799	24.865	ug/L	100
33) Benzene	8.251	78	442559	23.487	ug/L	100
34) Trichloroethene	9.028	95	120649	22.855	ug/L	98
35) Methylcyclohexane	9.275	83	165232	23.930	ug/L	98
37) 1,2-Dichloropropane	9.304	63	105526	23.804	ug/L	100
38) Bromodichloromethane	9.581	83	157545	24.953	ug/L	99
39) cis-1,3-Dichloropropene	10.016	75	173946	24.748	ug/L	100
40) 4-Methyl-2-pentanone	10.157	43	83552	50.284	ug/L	99
42) Toluene	10.334	91	511207	24.419	ug/L	98
44) trans-1,3-Dichloropropene	10.551	75	146677	24.544	ug/L	97
45) 1,1,2-Trichloroethane	10.734	97	98798	24.286	ug/L	97
46) Tetrachloroethene	10.810	164	95244	23.037	ug/L	96
48) 2-Hexanone	10.922	43	59096	52.772	ug/L	99
49) Dibromochloromethane	11.075	129	111463	25.307	ug/L	98
50) 1,2-Dibromoethane	11.181	107	86299	24.212	ug/L	98
51) Chlorobenzene	11.610	112	337667	23.949	ug/L	98
52) Ethylbenzene	11.686	91	548408	24.911	ug/L	98
53) m,p-Xylene	11.792	106	220066	25.493	ug/L	95
54) o-Xylene	12.122	106	210439	25.601	ug/L	99
55) Styrene	12.139	104	376041	25.674	ug/L	99
57) 1,1,2,2-Tetrachloroethane	12.675	83	104756	24.952	ug/L	95
59) Bromoform	12.304	173	64520	18.360	ug/L	99
60) Isopropylbenzene	12.428	105	574290	19.142	ug/L	99
61) 1,2,3-Trichloropropane	12.728	75	64981	18.068	ug/L	97
62) 1,3,5-Trimethylbenzene	12.910	105	520030	22.979	ug/L	98
63) 1,2,4-Trimethylbenzene	13.216	105	517128	23.896	ug/L	99
64) 1,3-Dichlorobenzene	13.463	146	326151	24.008	ug/L	98
65) 1,4-Dichlorobenzene	13.539	146	332323	23.452	ug/L	98
67) 1,2-Dichlorobenzene	13.833	146	290822	23.636	ug/L	100
68) 1,2-Dibromo-3-chloropr...	14.451	75	15478	21.371	ug/L	91
69) 1,3,5-Trichlorobenzene	14.598	180	210122	25.080	ug/L	97
70) 1,2,4-trichlorobenzene	15.104	180	169855	25.043	ug/L	99
71) Naphthalene	15.333	128	314576	25.086	ug/L	100
72) 1,2,3-Trichlorobenzene	15.527	180	150348	24.747	ug/L	99

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

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