Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD042723\
Data File : VD075874.D
Acq On : 27 Apr 2023 21:34
Operator : KP/SY
Sample : VSTDCCC025EC
Misc : 5.00G/10.00ml/MSVOA_D/SOIL
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VSTD025136

Quant Time: Apr 28 03:00:27 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM042023SMA.M
Quant Title : SFAM01.0
QLast Update : Thu Apr 27 02:02:18 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	8.781	114	377214	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.581	117	347758	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.516	152	172831	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.269	65	212505	25.680	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 102.720%			
7) Chloroethane-d5	2.799	69	184116	25.751	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 103.000%			
11) 1,1-Dichloroethene-d2	3.916	65	47132	24.705	ug/L	0.00
Spiked Amount 25.000	Range 45 - 110		Recovery = 98.800%			
21) 2-Butanone-d5	6.993	46	42958	59.798	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 119.600%			
24) Chloroform-d	7.569	84	242576	25.716	ug/L	0.00
Spiked Amount 25.000	Range 40 - 150		Recovery = 102.880%			
26) 1,2-Dichloroethane-d4	8.228	65	105749	26.252	ug/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 105.000%			
32) Benzene-d6	8.198	84	516762	25.495	ug/L	0.00
Spiked Amount 25.000	Range 20 - 135		Recovery = 102.000%			
36) 1,2-Dichloropropane-d6	9.210	67	146114	26.044	ug/L	0.00
Spiked Amount 25.000	Range 70 - 120		Recovery = 104.160%			
41) Toluene-d8	10.269	98	478653	25.225	ug/L	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery = 100.880%			
43) trans-1,3-Dichloroprop...	10.522	79	58458	25.209	ug/L	0.00
Spiked Amount 25.000	Range 30 - 135		Recovery = 100.840%			
47) 2-Hexanone-d5	10.881	63	39656	58.705	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 117.420%			
56) 1,1,2,2-Tetrachloroeth...	12.651	84	121390	28.276	ug/L	0.00
Spiked Amount 25.000	Range 45 - 120		Recovery = 113.120%			
66) 1,2-Dichlorobenzene-d4	13.816	152	151993	24.863	ug/L	0.00
Spiked Amount 25.000	Range 75 - 120		Recovery = 99.440%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.928	85	146856	28.241	ug/L	98
3) Chloromethane	2.146	50	227532	31.387	ug/L	99
5) Vinyl chloride	2.281	62	266540	28.133	ug/L	100
6) Bromomethane	2.687	94	130279	20.464	ug/L	96
8) Chloroethane	2.834	64	169221	27.617	ug/L	98
9) Trichlorofluoromethane	3.169	101	208743	27.421	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	3.963	101	143754	28.109	ug/L	98
12) 1,1-Dichloroethene	3.934	96	132456	26.706	ug/L	94
13) Acetone	4.016	43	30417	49.477	ug/L	99
14) Carbon disulfide	4.263	76	452600	26.126	ug/L	97
15) Methyl Acetate	4.563	43	39242	29.454	ug/L #	54
16) Methylene chloride	4.793	84	169714	22.178	ug/L	95
17) trans-1,2-Dichloroethene	5.305	96	145474	26.158	ug/L	100
18) Methyl tert-butyl Ether	5.316	73	244629	27.422	ug/L	100
19) 1,1-Dichloroethane	6.110	63	222261	27.281	ug/L	98
20) cis-1,2-Dichloroethene	7.075	96	154817	26.327	ug/L	95
22) 2-Butanone	7.081	43	48347	60.323	ug/L	100
23) Bromochloromethane	7.428	128	74027	27.144	ug/L	95
25) Chloroform	7.593	83	244398	26.766	ug/L	99

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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	132400	28.091	ug/L		100
29) Cyclohexane	7.875	56	172308	28.943	ug/L		95
30) 1,1,1-Trichloroethane	7.793	97	195940	26.630	ug/L		99
31) Carbon tetrachloride	7.987	117	160871	27.252	ug/L		99
33) Benzene	8.251	78	573175	27.248	ug/L		100
34) Trichloroethene	9.028	95	142858	26.261	ug/L		96
35) Methylcyclohexane	9.275	83	236667	28.218	ug/L		99
37) 1,2-Dichloropropane	9.304	63	134688	27.874	ug/L		99
38) Bromodichloromethane	9.587	83	173366	26.609	ug/L		96
39) cis-1,3-Dichloropropene	10.016	75	202330	26.329	ug/L		100
40) 4-Methyl-2-pentanone	10.157	43	109310	62.047	ug/L		98
42) Toluene	10.334	91	640838	28.152	ug/L		99
44) trans-1,3-Dichloropropene	10.557	75	168777	27.340	ug/L		98
45) 1,1,2-Trichloroethane	10.734	97	111879	27.216	ug/L		97
46) Tetrachloroethene	10.810	164	116563	26.124	ug/L		96
48) 2-Hexanone	10.922	43	79533	64.037	ug/L		92
49) Dibromochloromethane	11.075	129	121299	27.105	ug/L		97
50) 1,2-Dibromoethane	11.181	107	102891	27.762	ug/L	#	97
51) Chlorobenzene	11.604	112	396488	26.624	ug/L		99
52) Ethylbenzene	11.687	91	635035	27.205	ug/L		99
53) m,p-Xylene	11.792	106	261281	28.110	ug/L		100
54) o-Xylene	12.122	106	248203	28.114	ug/L		95
55) Styrene	12.134	104	438661	28.548	ug/L		100
57) 1,1,2,2-Tetrachloroethane	12.675	83	120092	28.712	ug/L		99
59) Bromoform	12.298	173	73282	27.666	ug/L		99
60) Isopropylbenzene	12.422	105	623274	27.197	ug/L		99
61) 1,2,3-Trichloropropane	12.728	75	76546	28.194	ug/L		99
62) 1,3,5-Trimethylbenzene	12.904	105	469302	27.463	ug/L		99
63) 1,2,4-Trimethylbenzene	13.216	105	461609	28.022	ug/L		100
64) 1,3-Dichlorobenzene	13.457	146	290195	26.465	ug/L		97
65) 1,4-Dichlorobenzene	13.539	146	295724	25.697	ug/L		99
67) 1,2-Dichlorobenzene	13.834	146	259411	26.492	ug/L		99
68) 1,2-Dibromo-3-chloropr...	14.451	75	14409	26.548	ug/L		92
69) 1,3,5-Trichlorobenzene	14.592	180	168467	22.922	ug/L		99
70) 1,2,4-trichlorobenzene	15.098	180	133421	21.906	ug/L		100
71) Naphthalene	15.333	128	282252	25.324	ug/L		99
72) 1,2,3-Trichlorobenzene	15.522	180	129650	23.847	ug/L		98

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

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