Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD092623\
Data File : VD077227.D
Acq On : 26 Sep 2023 18:34
Operator : JC/SY
Sample : VSTDCCC025EC
Misc : 5.00G/10.0ml/MSVOA_D/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VSTD025197

Quant Time: Sep 27 01:31:17 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM092523SMA.M
Quant Title : SFAM01.0
QLast Update : Mon Sep 25 23:07:59 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	8.781	114	234130	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.581	117	243893	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.516	152	136985	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.275	65	138491	22.364	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 89.440%			
7) Chloroethane-d5	2.799	69	78306	20.067	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 80.280%			
11) 1,1-Dichloroethene-d2	3.917	65	36659	21.040	ug/L	0.00
Spiked Amount 25.000	Range 45 - 110		Recovery = 84.160%			
21) 2-Butanone-d5	6.981	46	62182	55.422	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 110.840%			
24) Chloroform-d	7.569	84	230415	26.099	ug/L	0.00
Spiked Amount 25.000	Range 40 - 150		Recovery = 104.400%			
26) 1,2-Dichloroethane-d4	8.234	65	112962	25.722	ug/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 102.880%			
32) Benzene-d6	8.205	84	430396	24.295	ug/L	0.00
Spiked Amount 25.000	Range 20 - 135		Recovery = 97.160%			
36) 1,2-Dichloropropane-d6	9.210	67	136581	24.804	ug/L	0.00
Spiked Amount 25.000	Range 70 - 120		Recovery = 99.200%			
41) Toluene-d8	10.269	98	382165	24.556	ug/L	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery = 98.240%			
43) trans-1,3-Dichloroprop...	10.528	79	53012	23.676	ug/L	0.00
Spiked Amount 25.000	Range 30 - 135		Recovery = 94.720%			
47) 2-Hexanone-d5	10.875	63	49530	56.230	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 112.460%			
56) 1,1,2,2-Tetrachloroeth...	12.651	84	138547	27.847	ug/L	0.00
Spiked Amount 25.000	Range 45 - 120		Recovery = 111.400%			
66) 1,2-Dichlorobenzene-d4	13.816	152	137265	24.308	ug/L	0.00
Spiked Amount 25.000	Range 75 - 120		Recovery = 97.240%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.928	85	92873	24.392	ug/L	99
3) Chloromethane	2.146	50	142642	28.875	ug/L	98
5) Vinyl chloride	2.281	62	162840	27.679	ug/L	100
6) Bromomethane	2.693	94	106560	29.605	ug/L	95
8) Chloroethane	2.834	64	67403	23.361	ug/L #	80
9) Trichlorofluoromethane	3.175	101	181648	29.862	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	3.964	101	121158	27.866	ug/L	100
12) 1,1-Dichloroethene	3.940	96	99331	27.378	ug/L	96
13) Acetone	4.022	43	61814	53.097	ug/L	99
14) Carbon disulfide	4.269	76	266527	28.170	ug/L	100
15) Methyl Acetate	4.558	43	51478	25.892	ug/L	98
16) Methylene chloride	4.799	84	152531	26.160	ug/L	97
17) trans-1,2-Dichloroethene	5.311	96	113480	27.789	ug/L	96
18) Methyl tert-butyl Ether	5.316	73	251226	26.099	ug/L #	87
19) 1,1-Dichloroethane	6.111	63	208597	27.103	ug/L	99
20) cis-1,2-Dichloroethene	7.081	96	133561	26.788	ug/L	96
22) 2-Butanone	7.081	43	78645	52.223	ug/L	98
23) Bromochloromethane	7.428	128	64958	27.516	ug/L	88
25) Chloroform	7.599	83	235652	27.669	ug/L	94

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Quant Title : SFAM01.0
QLast Update : Mon Sep 25 23:07:59 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	8.328	62	135817	26.954	ug/L	99
29) Cyclohexane	7.881	56	143539	28.930	ug/L	98
30) 1,1,1-Trichloroethane	7.793	97	192380	27.229	ug/L	98
31) Carbon tetrachloride	7.987	117	163553	28.642	ug/L	99
33) Benzene	8.252	78	495457	27.515	ug/L	100
34) Trichloroethene	9.028	95	122661	26.995	ug/L	95
35) Methylcyclohexane	9.275	83	186866	29.530	ug/L	100
37) 1,2-Dichloropropane	9.305	63	132757	26.873	ug/L	99
38) Bromodichloromethane	9.587	83	174777	26.621	ug/L	97
39) cis-1,3-Dichloropropene	10.016	75	200888	26.767	ug/L	98
40) 4-Methyl-2-pentanone	10.157	43	151397	53.484	ug/L	99
42) Toluene	10.334	91	549931	28.308	ug/L	95
44) trans-1,3-Dichloropropene	10.557	75	175041	26.981	ug/L	97
45) 1,1,2-Trichloroethane	10.734	97	113055	26.874	ug/L	94
46) Tetrachloroethene	10.810	164	98458	27.624	ug/L	97
48) 2-Hexanone	10.922	43	120713	55.607	ug/L	99
49) Dibromochloromethane	11.075	129	126196	26.951	ug/L	96
50) 1,2-Dibromoethane	11.181	107	106416	27.029	ug/L	90
51) Chlorobenzene	11.610	112	348588	26.418	ug/L	96
52) Ethylbenzene	11.681	91	598264	28.407	ug/L	94
53) m,p-Xylene	11.793	106	226380	28.184	ug/L	91
54) o-Xylene	12.122	106	221984	28.343	ug/L	98
55) Styrene	12.134	104	411698	28.911	ug/L	98
57) 1,1,2,2-Tetrachloroethane	12.675	83	139314	27.700	ug/L	99
59) Bromoform	12.298	173	81898	26.555	ug/L	100
60) Isopropylbenzene	12.422	105	597348	27.909	ug/L	100
61) 1,2,3-Trichloropropane	12.728	75	88026	25.374	ug/L	98
62) 1,3,5-Trimethylbenzene	12.904	105	455549	27.837	ug/L	100
63) 1,2,4-Trimethylbenzene	13.210	105	449639	27.672	ug/L	100
64) 1,3-Dichlorobenzene	13.457	146	272718	26.180	ug/L	99
65) 1,4-Dichlorobenzene	13.534	146	284735	26.157	ug/L	99
67) 1,2-Dichlorobenzene	13.828	146	251849	26.245	ug/L	98
68) 1,2-Dibromo-3-chloropr...	14.445	75	18723	25.223	ug/L	96
69) 1,3,5-Trichlorobenzene	14.592	180	180580	26.369	ug/L	99
70) 1,2,4-trichlorobenzene	15.098	180	147151	25.070	ug/L	100
71) Naphthalene	15.334	128	310391	25.547	ug/L	99
72) 1,2,3-Trichlorobenzene	15.522	180	141568	25.816	ug/L	98

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

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