Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051123\
Data File : VD076078.D
Acq On : 11 May 2023 14:01
Operator : KP/SY
Sample : VSTDCCC025
Misc : 5.00G/10.00ml/MSVOA_D/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VSTD025154

Quant Time: May 12 03:04:46 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM051123SMA.M
Quant Title : SFAM01.0
QLast Update : Fri May 12 02:22:21 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	8.775	114	437631	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.581	117	390077	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.522	152	196538	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.270	65	128612	19.212	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 76.840%			
7) Chloroethane-d5	2.799	69	125761	20.461	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 81.840%			
11) 1,1-Dichloroethene-d2	3.911	65	34301	20.352	ug/L	0.00
Spiked Amount 25.000	Range 45 - 110		Recovery = 81.400%			
21) 2-Butanone-d5	6.993	46	46559	51.653	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 103.300%			
24) Chloroform-d	7.563	84	194294	21.192	ug/L	0.00
Spiked Amount 25.000	Range 40 - 150		Recovery = 84.760%			
26) 1,2-Dichloroethane-d4	8.228	65	87511	21.714	ug/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 86.840%			
32) Benzene-d6	8.199	84	386306	21.967	ug/L	0.00
Spiked Amount 25.000	Range 20 - 135		Recovery = 87.880%			
36) 1,2-Dichloropropane-d6	9.210	67	119252	22.007	ug/L	0.00
Spiked Amount 25.000	Range 70 - 120		Recovery = 88.040%			
41) Toluene-d8	10.269	98	351480	22.427	ug/L	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery = 89.720%			
43) trans-1,3-Dichloroprop...	10.522	79	45687	22.460	ug/L	0.00
Spiked Amount 25.000	Range 30 - 135		Recovery = 89.840%			
47) 2-Hexanone-d5	10.875	63	39392	49.641	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 99.280%			
56) 1,1,2,2-Tetrachloroeth...	12.651	84	107328	23.000	ug/L	0.00
Spiked Amount 25.000	Range 45 - 120		Recovery = 92.000%			
66) 1,2-Dichlorobenzene-d4	13.816	152	122664	21.848	ug/L	0.00
Spiked Amount 25.000	Range 75 - 120		Recovery = 87.400%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.934	85	131275	23.984	ug/L	100
3) Chloromethane	2.146	50	195096	25.074	ug/L	99
5) Vinyl chloride	2.281	62	235095	23.667	ug/L	100
6) Bromomethane	2.687	94	135840	22.045	ug/L	96
8) Chloroethane	2.834	64	150882	23.672	ug/L	96
9) Trichlorofluoromethane	3.169	101	187678	23.078	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	3.964	101	130976	22.609	ug/L	95
12) 1,1-Dichloroethene	3.934	96	123444	23.775	ug/L	85
13) Acetone	4.028	43	38683	48.171	ug/L	98
14) Carbon disulfide	4.269	76	388561	24.034	ug/L	100
15) Methyl Acetate	4.558	43	41444	23.995	ug/L #	55
16) Methylene chloride	4.799	84	166195	23.355	ug/L	92
17) trans-1,2-Dichloroethene	5.311	96	136297	24.518	ug/L	95
18) Methyl tert-butyl Ether	5.322	73	249749	25.316	ug/L	98
19) 1,1-Dichloroethane	6.111	63	225939	23.845	ug/L	98
20) cis-1,2-Dichloroethene	7.075	96	150976	24.499	ug/L	93
22) 2-Butanone	7.081	43	56002	49.915	ug/L	94
23) Bromochloromethane	7.422	128	71565	23.756	ug/L #	89
25) Chloroform	7.593	83	240121	23.734	ug/L	97

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Quant Title : SFAM01.0
QLast Update : Fri May 12 02:22:21 2023
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	8.328	62	132891	24.926	ug/L	97
29) Cyclohexane	7.875	56	163307	25.239	ug/L	90
30) 1,1,1-Trichloroethane	7.787	97	191671	24.188	ug/L	99
31) Carbon tetrachloride	7.993	117	150748	24.149	ug/L	100
33) Benzene	8.252	78	549141	25.322	ug/L	100
34) Trichloroethene	9.028	95	134496	24.027	ug/L	95
35) Methylcyclohexane	9.275	83	211020	24.881	ug/L	96
37) 1,2-Dichloropropane	9.304	63	137756	24.904	ug/L	100
38) Bromodichloromethane	9.587	83	172573	24.350	ug/L	99
39) cis-1,3-Dichloropropene	10.016	75	202736	25.445	ug/L	97
40) 4-Methyl-2-pentanone	10.157	43	116539	52.271	ug/L	96
42) Toluene	10.334	91	602726	26.034	ug/L	98
44) trans-1,3-Dichloropropene	10.551	75	171687	25.824	ug/L	98
45) 1,1,2-Trichloroethane	10.734	97	110010	24.630	ug/L	91
46) Tetrachloroethene	10.810	164	115694	24.739	ug/L	98
48) 2-Hexanone	10.922	43	85191	52.655	ug/L	93
49) Dibromochloromethane	11.075	129	119975	24.896	ug/L	99
50) 1,2-Dibromoethane	11.181	107	98805	25.048	ug/L	95
51) Chlorobenzene	11.610	112	384861	24.424	ug/L	99
52) Ethylbenzene	11.687	91	607559	25.296	ug/L	99
53) m,p-Xylene	11.793	106	241579	25.793	ug/L	94
54) o-Xylene	12.122	106	231417	26.053	ug/L	97
55) Styrene	12.134	104	419172	26.637	ug/L	95
57) 1,1,2,2-Tetrachloroethane	12.675	83	121872	24.374	ug/L	97
59) Bromoform	12.298	173	72048	25.227	ug/L	99
60) Isopropylbenzene	12.422	105	588069	26.352	ug/L	99
61) 1,2,3-Trichloropropane	12.728	75	76726	24.271	ug/L	99
62) 1,3,5-Trimethylbenzene	12.904	105	445587	26.026	ug/L	100
63) 1,2,4-Trimethylbenzene	13.216	105	439093	26.816	ug/L	99
64) 1,3-Dichlorobenzene	13.457	146	288682	24.917	ug/L	98
65) 1,4-Dichlorobenzene	13.540	146	294472	24.432	ug/L	98
67) 1,2-Dichlorobenzene	13.834	146	255578	24.185	ug/L	97
68) 1,2-Dibromo-3-chloropr...	14.451	75	15418	24.311	ug/L	92
69) 1,3,5-Trichlorobenzene	14.592	180	180526	24.522	ug/L	98
70) 1,2,4-trichlorobenzene	15.098	180	146430	25.132	ug/L	98
71) Naphthalene	15.334	128	286502	26.167	ug/L	99
72) 1,2,3-Trichlorobenzene	15.522	180	140118	26.446	ug/L	98

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

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