Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD070523\
Data File : VD076706.D
Acq On : 05 Jul 2023 09:38
Operator : KP/SY
Sample : VSTDCCC025
Misc : 5.00G/10.0ml/MSVOA_D/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VSTD025171

Quant Time: Jul 06 01:14:32 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM061523SMA.M
Quant Title : SFAM01.0
QLast Update : Fri Jun 16 01:50:34 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	8.775	114	272049	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.581	117	237446	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.516	152	115706	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.276	65	102348	15.448	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 61.800%			
7) Chloroethane-d5	2.799	69	91529	17.086	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 68.360%			
11) 1,1-Dichloroethene-d2	3.911	65	34098	19.717	ug/L	0.00
Spiked Amount 25.000	Range 45 - 110		Recovery = 78.880%			
21) 2-Butanone-d5	6.987	46	49258	49.093	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 98.180%			
24) Chloroform-d	7.563	84	157144	21.925	ug/L	0.00
Spiked Amount 25.000	Range 40 - 150		Recovery = 87.680%			
26) 1,2-Dichloroethane-d4	8.228	65	83279	23.553	ug/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 94.200%			
32) Benzene-d6	8.199	84	295817	20.366	ug/L	0.00
Spiked Amount 25.000	Range 20 - 135		Recovery = 81.480%			
36) 1,2-Dichloropropane-d6	9.210	67	95095	20.511	ug/L	0.00
Spiked Amount 25.000	Range 70 - 120		Recovery = 82.040%			
41) Toluene-d8	10.269	98	271488	20.186	ug/L	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery = 80.760%			
43) trans-1,3-Dichloroprop...	10.522	79	43473	22.543	ug/L	0.00
Spiked Amount 25.000	Range 30 - 135		Recovery = 90.160%			
47) 2-Hexanone-d5	10.875	63	35772	49.704	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 99.400%			
56) 1,1,2,2-Tetrachloroeth...	12.651	84	78403	23.769	ug/L	0.00
Spiked Amount 25.000	Range 45 - 120		Recovery = 95.080%			
66) 1,2-Dichlorobenzene-d4	13.816	152	89725	21.156	ug/L	0.00
Spiked Amount 25.000	Range 75 - 120		Recovery = 84.640%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.928	85	115192	27.173	ug/L	99
3) Chloromethane	2.146	50	136210	19.328	ug/L	100
5) Vinyl chloride	2.281	62	150602	19.810	ug/L	95
6) Bromomethane	2.693	94	88834	21.097	ug/L	99
8) Chloroethane	2.834	64	96672	20.759	ug/L	100
9) Trichlorofluoromethane	3.175	101	166039	30.206	ug/L	96
10) 1,1,2-Trichloro-1,2,2-...	3.964	101	98450	27.612	ug/L	99
12) 1,1-Dichloroethene	3.934	96	85568	24.235	ug/L	96
13) Acetone	4.017	43	33569	41.422	ug/L	91
14) Carbon disulfide	4.270	76	278177	21.735	ug/L	98
15) Methyl Acetate	4.564	43	42194	22.807	ug/L #	83
16) Methylene chloride	4.799	84	95999	20.302	ug/L	91
17) trans-1,2-Dichloroethene	5.311	96	89495	22.736	ug/L	96
18) Methyl tert-butyl Ether	5.317	73	213530	23.827	ug/L #	89
19) 1,1-Dichloroethane	6.111	63	165210	22.957	ug/L	97
20) cis-1,2-Dichloroethene	7.075	96	99792	22.700	ug/L	97
22) 2-Butanone	7.081	43	56287	43.038	ug/L	79
23) Bromochloromethane	7.428	128	45717	24.503	ug/L	86
25) Chloroform	7.593	83	169026	24.066	ug/L	93

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Quant Title : SFAM01.0
QLast Update : Fri Jun 16 01:50:34 2023
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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
27) 1,2-Dichloroethane	8.322	62	109857	25.434	ug/L		99
29) Cyclohexane	7.875	56	146025	23.126	ug/L		93
30) 1,1,1-Trichloroethane	7.793	97	153531	27.833	ug/L		98
31) Carbon tetrachloride	7.987	117	131486	29.805	ug/L		100
33) Benzene	8.252	78	360648	22.949	ug/L		100
34) Trichloroethene	9.022	95	99588	24.669	ug/L		93
35) Methylcyclohexane	9.269	83	162205	24.917	ug/L		98
37) 1,2-Dichloropropane	9.305	63	92590	21.611	ug/L	#	98
38) Bromodichloromethane	9.587	83	124863	25.552	ug/L		93
39) cis-1,3-Dichloropropene	10.016	75	149493	22.850	ug/L		96
40) 4-Methyl-2-pentanone	10.157	43	124154	46.581	ug/L		98
42) Toluene	10.334	91	395175	23.531	ug/L		98
44) trans-1,3-Dichloropropene	10.552	75	128712	24.204	ug/L		97
45) 1,1,2-Trichloroethane	10.734	97	71737	24.411	ug/L		97
46) Tetrachloroethene	10.810	164	78322	24.679	ug/L		89
48) 2-Hexanone	10.922	43	88001	48.209	ug/L		99
49) Dibromochloromethane	11.075	129	84532	25.311	ug/L		96
50) 1,2-Dibromoethane	11.175	107	69840	24.485	ug/L		93
51) Chlorobenzene	11.604	112	242574	23.136	ug/L		98
52) Ethylbenzene	11.681	91	426949	23.587	ug/L		96
53) m,p-Xylene	11.793	106	163573	22.995	ug/L		99
54) o-Xylene	12.122	106	158759	23.440	ug/L		95
55) Styrene	12.134	104	270870	23.148	ug/L		100
57) 1,1,2,2-Tetrachloroethane	12.669	83	80567	23.988	ug/L		97
59) Bromoform	12.299	173	51169	24.703	ug/L	#	96
60) Isopropylbenzene	12.422	105	421938	23.841	ug/L		99
61) 1,2,3-Trichloropropane	12.722	75	55982	24.930	ug/L		96
62) 1,3,5-Trimethylbenzene	12.904	105	332222	23.463	ug/L		100
63) 1,2,4-Trimethylbenzene	13.210	105	321029	22.976	ug/L		100
64) 1,3-Dichlorobenzene	13.457	146	181588	23.063	ug/L		95
65) 1,4-Dichlorobenzene	13.540	146	179635	22.634	ug/L		99
67) 1,2-Dichlorobenzene	13.828	146	158993	22.668	ug/L		97
68) 1,2-Dibromo-3-chloropr...	14.451	75	12936	25.850	ug/L		98
69) 1,3,5-Trichlorobenzene	14.592	180	124240	23.657	ug/L		98
70) 1,2,4-trichlorobenzene	15.098	180	106024	22.690	ug/L		99
71) Naphthalene	15.328	128	215174	24.052	ug/L		98
72) 1,2,3-Trichlorobenzene	15.522	180	95172	23.454	ug/L		99

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

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