Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD062823\
Data File : VD076608.D
Acq On : 28 Jun 2023 10:03
Operator : KP/SY
Sample : VSTDCCC025
Misc : 5.00G/10.0ml/MSVOA_D/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VSTD025162

Quant Time: Jun 29 01:29:20 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	233458	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.581	117	210067	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.516	152	101989	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.275	65	132672	23.336	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 93.360%			
7) Chloroethane-d5	2.799	69	107966	23.485	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 93.960%			
11) 1,1-Dichloroethene-d2	3.911	65	38632	26.031	ug/L	0.00
Spiked Amount 25.000	Range 45 - 110		Recovery = 104.120%			
21) 2-Butanone-d5	6.987	46	43138	50.100	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 100.200%			
24) Chloroform-d	7.563	84	157874	25.668	ug/L	0.00
Spiked Amount 25.000	Range 40 - 150		Recovery = 102.680%			
26) 1,2-Dichloroethane-d4	8.228	65	80832	26.640	ug/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 106.560%			
32) Benzene-d6	8.205	84	321479	25.017	ug/L	0.00
Spiked Amount 25.000	Range 20 - 135		Recovery = 100.080%			
36) 1,2-Dichloropropane-d6	9.210	67	100898	24.599	ug/L	0.00
Spiked Amount 25.000	Range 70 - 120		Recovery = 98.400%			
41) Toluene-d8	10.269	98	305265	25.656	ug/L	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery = 102.640%			
43) trans-1,3-Dichloroprop...	10.522	79	42016	24.628	ug/L	0.00
Spiked Amount 25.000	Range 30 - 135		Recovery = 98.520%			
47) 2-Hexanone-d5	10.875	63	30950	48.609	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 97.220%			
56) 1,1,2,2-Tetrachloroeth...	12.651	84	78392	26.863	ug/L	0.00
Spiked Amount 25.000	Range 45 - 120		Recovery = 107.440%			
66) 1,2-Dichlorobenzene-d4	13.816	152	96978	25.942	ug/L	0.00
Spiked Amount 25.000	Range 75 - 120		Recovery = 103.760%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.934	85	100136	27.526	ug/L	99
3) Chloromethane	2.146	50	146631	24.246	ug/L	98
5) Vinyl chloride	2.281	62	160240	24.562	ug/L	92
6) Bromomethane	2.693	94	88436	24.474	ug/L	99
8) Chloroethane	2.834	64	97332	24.356	ug/L	96
9) Trichlorofluoromethane	3.175	101	137078	29.060	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	3.958	101	87992	28.758	ug/L	98
12) 1,1-Dichloroethene	3.934	96	81557	26.917	ug/L	91
13) Acetone	4.022	43	33032	47.497	ug/L	100
14) Carbon disulfide	4.269	76	287531	26.179	ug/L	98
15) Methyl Acetate	4.552	43	38047	23.965	ug/L #	75
16) Methylene chloride	4.799	84	90335	22.262	ug/L	93
17) trans-1,2-Dichloroethene	5.305	96	87993	26.049	ug/L	96
18) Methyl tert-butyl Ether	5.316	73	186671	24.273	ug/L #	73
19) 1,1-Dichloroethane	6.111	63	158587	25.679	ug/L	89
20) cis-1,2-Dichloroethene	7.081	96	95811	25.397	ug/L	98
22) 2-Butanone	7.087	43	54226	48.316	ug/L	100
23) Bromochloromethane	7.428	128	42488	26.536	ug/L	91
25) Chloroform	7.593	83	158228	26.253	ug/L	98

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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
27) 1,2-Dichloroethane	8.322	62	99283	26.786	ug/L		97
29) Cyclohexane	7.875	56	140262	25.109	ug/L		98
30) 1,1,1-Trichloroethane	7.793	97	131870	27.022	ug/L		99
31) Carbon tetrachloride	7.987	117	113461	29.071	ug/L		99
33) Benzene	8.252	78	358958	25.819	ug/L		100
34) Trichloroethene	9.028	95	92943	26.024	ug/L		93
35) Methylcyclohexane	9.269	83	154507	26.828	ug/L		98
37) 1,2-Dichloropropane	9.305	63	95706	25.249	ug/L		99
38) Bromodichloromethane	9.587	83	113677	26.294	ug/L		99
39) cis-1,3-Dichloropropene	10.016	75	148022	25.574	ug/L		96
40) 4-Methyl-2-pentanone	10.157	43	115040	48.787	ug/L		99
42) Toluene	10.334	91	383836	25.835	ug/L		100
44) trans-1,3-Dichloropropene	10.551	75	121262	25.775	ug/L		98
45) 1,1,2-Trichloroethane	10.734	97	66041	25.401	ug/L		99
46) Tetrachloroethene	10.810	164	74074	26.382	ug/L		90
48) 2-Hexanone	10.922	43	83448	51.672	ug/L		99
49) Dibromochloromethane	11.075	129	77745	26.313	ug/L		97
50) 1,2-Dibromoethane	11.181	107	64144	25.419	ug/L		88
51) Chlorobenzene	11.604	112	237137	25.565	ug/L		93
52) Ethylbenzene	11.687	91	422523	26.385	ug/L		97
53) m,p-Xylene	11.793	106	159426	25.333	ug/L		99
54) o-Xylene	12.122	106	154731	25.822	ug/L		93
55) Styrene	12.134	104	271309	26.207	ug/L		100
57) 1,1,2,2-Tetrachloroethane	12.675	83	79800	26.857	ug/L		100
59) Bromoform	12.298	173	50115	27.449	ug/L	#	96
60) Isopropylbenzene	12.422	105	414415	26.566	ug/L		100
61) 1,2,3-Trichloropropane	12.722	75	52532	26.540	ug/L		97
62) 1,3,5-Trimethylbenzene	12.904	105	327261	26.221	ug/L		99
63) 1,2,4-Trimethylbenzene	13.210	105	322582	26.192	ug/L		100
64) 1,3-Dichlorobenzene	13.457	146	179197	25.821	ug/L		99
65) 1,4-Dichlorobenzene	13.540	146	177447	25.365	ug/L		96
67) 1,2-Dichlorobenzene	13.834	146	161057	26.050	ug/L		97
68) 1,2-Dibromo-3-chloropr...	14.445	75	11700	26.524	ug/L		88
69) 1,3,5-Trichlorobenzene	14.592	180	118991	25.705	ug/L		99
70) 1,2,4-trichlorobenzene	15.098	180	101762	24.707	ug/L		99
71) Naphthalene	15.334	128	192248	24.379	ug/L		99
72) 1,2,3-Trichlorobenzene	15.522	180	87470	24.455	ug/L		96

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

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