Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD042623\
Data File : VD075839.D
Acq On : 26 Apr 2023 17:09
Operator : KP/SY
Sample : VSTDCCC025
Misc : 5.00G/10.00ml/MSVOA_D/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VSTD025133

Quant Time: Apr 27 01:28:21 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM042023SMA.M
Quant Title : SFAM01.0
QLast Update : Thu Apr 27 01:23:50 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	8.781	114	371993	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.581	117	333936	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.522	152	182668	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.276	65	197382	24.187	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 96.760%			
7) Chloroethane-d5	2.805	69	172411	24.452	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 97.800%			
11) 1,1-Dichloroethene-d2	3.923	65	47265	25.122	ug/L	0.00
Spiked Amount 25.000	Range 45 - 110		Recovery = 100.480%			
21) 2-Butanone-d5	6.987	46	36988	52.211	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 104.420%			
24) Chloroform-d	7.569	84	234782	25.239	ug/L	0.00
Spiked Amount 25.000	Range 40 - 150		Recovery = 100.960%			
26) 1,2-Dichloroethane-d4	8.228	65	101707	25.603	ug/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 102.400%			
32) Benzene-d6	8.199	84	502673	25.827	ug/L	0.00
Spiked Amount 25.000	Range 20 - 135		Recovery = 103.320%			
36) 1,2-Dichloropropane-d6	9.210	67	138517	25.712	ug/L	0.00
Spiked Amount 25.000	Range 70 - 120		Recovery = 102.840%			
41) Toluene-d8	10.269	98	477739	26.218	ug/L	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery = 104.880%			
43) trans-1,3-Dichloroprop...	10.528	79	55208	24.793	ug/L	0.00
Spiked Amount 25.000	Range 30 - 135		Recovery = 99.160%			
47) 2-Hexanone-d5	10.875	63	33722	51.987	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 103.980%			
56) 1,1,2,2-Tetrachloroeth...	12.651	84	108964	26.432	ug/L	0.00
Spiked Amount 25.000	Range 45 - 120		Recovery = 105.720%			
66) 1,2-Dichlorobenzene-d4	13.816	152	158578	24.543	ug/L	0.00
Spiked Amount 25.000	Range 75 - 120		Recovery = 98.160%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.934	85	143916	28.064	ug/L	100
3) Chloromethane	2.146	50	175247	24.514	ug/L	96
5) Vinyl chloride	2.287	62	230367	24.656	ug/L	98
6) Bromomethane	2.699	94	149673	23.840	ug/L	99
8) Chloroethane	2.840	64	145610	24.098	ug/L	95
9) Trichlorofluoromethane	3.176	101	194601	25.922	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	3.964	101	137557	27.275	ug/L	97
12) 1,1-Dichloroethene	3.940	96	127910	26.151	ug/L	95
13) Acetone	4.023	43	29606	48.834	ug/L	96
14) Carbon disulfide	4.275	76	420454	24.611	ug/L	98
15) Methyl Acetate	4.564	43	32634	24.838	ug/L #	58
16) Methylene chloride	4.805	84	146888	19.465	ug/L	97
17) trans-1,2-Dichloroethene	5.317	96	137010	24.982	ug/L	99
18) Methyl tert-butyl Ether	5.317	73	211137	24.000	ug/L	99
19) 1,1-Dichloroethane	6.111	63	201237	25.047	ug/L	98
20) cis-1,2-Dichloroethene	7.081	96	139795	24.106	ug/L	98
22) 2-Butanone	7.087	43	40582	51.345	ug/L	97
23) Bromochloromethane	7.428	128	67053	24.932	ug/L #	95
25) Chloroform	7.599	83	223244	24.792	ug/L	99

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM042023SMA.M
Quant Title : SFAM01.0
QLast Update : Thu Apr 27 01:23:50 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	8.328	62	115483	24.846	ug/L	100
29) Cyclohexane	7.881	56	161357	28.226	ug/L	96
30) 1,1,1-Trichloroethane	7.793	97	184236	26.076	ug/L	99
31) Carbon tetrachloride	7.993	117	150793	26.602	ug/L	99
33) Benzene	8.252	78	524417	25.962	ug/L	100
34) Trichloroethene	9.028	95	135188	25.880	ug/L	98
35) Methylcyclohexane	9.275	83	224574	27.885	ug/L	100
37) 1,2-Dichloropropane	9.305	63	122568	26.416	ug/L	99
38) Bromodichloromethane	9.587	83	158065	25.265	ug/L	96
39) cis-1,3-Dichloropropene	10.016	75	182487	24.730	ug/L	96
40) 4-Methyl-2-pentanone	10.157	43	88557	52.347	ug/L	98
42) Toluene	10.334	91	578293	26.456	ug/L	97
44) trans-1,3-Dichloropropene	10.552	75	149294	25.185	ug/L	99
45) 1,1,2-Trichloroethane	10.734	97	98029	24.834	ug/L	95
46) Tetrachloroethene	10.810	164	113576	26.508	ug/L	96
48) 2-Hexanone	10.922	43	65306	54.758	ug/L	93
49) Dibromochloromethane	11.075	129	108421	25.230	ug/L	100
50) 1,2-Dibromoethane	11.181	107	91058	25.586	ug/L	97
51) Chlorobenzene	11.610	112	361862	25.305	ug/L	100
52) Ethylbenzene	11.687	91	587341	26.203	ug/L	99
53) m,p-Xylene	11.793	106	235704	26.408	ug/L	98
54) o-Xylene	12.122	106	225404	26.589	ug/L	99
55) Styrene	12.134	104	396216	26.853	ug/L	97
57) 1,1,2,2-Tetrachloroethane	12.675	83	100656	25.061	ug/L	96
59) Bromoform	12.299	173	63048	22.521	ug/L	100
60) Isopropylbenzene	12.422	105	574451	23.717	ug/L	99
61) 1,2,3-Trichloropropane	12.728	75	63859	22.254	ug/L	99
62) 1,3,5-Trimethylbenzene	12.904	105	433903	24.024	ug/L	99
63) 1,2,4-Trimethylbenzene	13.216	105	446408	25.640	ug/L	100
64) 1,3-Dichlorobenzene	13.457	146	288504	24.894	ug/L	98
65) 1,4-Dichlorobenzene	13.540	146	287033	23.599	ug/L	99
67) 1,2-Dichlorobenzene	13.834	146	259217	25.046	ug/L	98
68) 1,2-Dibromo-3-chloropr...	14.451	75	12270	21.389	ug/L	96
69) 1,3,5-Trichlorobenzene	14.593	180	161500	20.791	ug/L	99
70) 1,2,4-trichlorobenzene	15.104	180	127816	19.856	ug/L	99
71) Naphthalene	15.334	128	243109	20.637	ug/L	99
72) 1,2,3-Trichlorobenzene	15.522	180	118490	20.621	ug/L	99

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

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