Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD020724\
Data File : VD078357.D
Acq On : 07 Feb 2024 09:58
Operator : RP/MD
Sample : VSTDCCC025
Misc : 5.00G/10ml/MSVOA_D/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VSTD025240

Quant Time: Feb 08 00:18:36 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM020124SMA.M
Quant Title : SFAM01.0
QLast Update : Tue Feb 06 00:51:05 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	8.775	114	174537	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.581	117	170551	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.516	152	81235	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.281	65	130347	26.323	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 105.280%			
7) Chloroethane-d5	2.805	69	108863	26.153	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 104.600%			
11) 1,1-Dichloroethene-d2	3.916	65	27791	25.992	ug/L	0.00
Spiked Amount 25.000	Range 45 - 110		Recovery = 103.960%			
21) 2-Butanone-d5	6.993	46	31269	42.888	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 85.780%			
24) Chloroform-d	7.569	84	123606	24.839	ug/L	0.00
Spiked Amount 25.000	Range 40 - 150		Recovery = 99.360%			
26) 1,2-Dichloroethane-d4	8.228	65	67560	25.157	ug/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 100.640%			
32) Benzene-d6	8.204	84	260729	26.145	ug/L	0.00
Spiked Amount 25.000	Range 20 - 135		Recovery = 104.560%			
36) 1,2-Dichloropropane-d6	9.210	67	79146	25.779	ug/L	0.00
Spiked Amount 25.000	Range 70 - 120		Recovery = 103.120%			
41) Toluene-d8	10.269	98	236993	26.458	ug/L	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery = 105.840%			
43) trans-1,3-Dichloroprop...	10.522	79	34112	24.884	ug/L	0.00
Spiked Amount 25.000	Range 30 - 135		Recovery = 99.520%			
47) 2-Hexanone-d5	10.875	63	27819	44.660	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 89.320%			
56) 1,1,2,2-Tetrachloroeth...	12.651	84	68623	24.054	ug/L	0.00
Spiked Amount 25.000	Range 45 - 120		Recovery = 96.200%			
66) 1,2-Dichlorobenzene-d4	13.816	152	70135	24.116	ug/L	0.00
Spiked Amount 25.000	Range 75 - 120		Recovery = 96.480%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.940	85	93155	27.069	ug/L	98
3) Chloromethane	2.152	50	130677	26.109	ug/L	99
5) Vinyl chloride	2.287	62	167124	27.007	ug/L	96
6) Bromomethane	2.699	94	78396	27.943	ug/L	95
8) Chloroethane	2.840	64	108562	27.554	ug/L	99
9) Trichlorofluoromethane	3.181	101	127647	29.017	ug/L	97
10) 1,1,2-Trichloro-1,2,2-...	3.975	101	77872	28.447	ug/L	96
12) 1,1-Dichloroethene	3.946	96	69159	27.298	ug/L	98
13) Acetone	4.028	43	50142	52.380	ug/L	99
14) Carbon disulfide	4.275	76	236299	25.305	ug/L	96
15) Methyl Acetate	4.569	43	35572	24.800	ug/L #	77
16) Methylene chloride	4.799	84	87056	25.433	ug/L	97
17) trans-1,2-Dichloroethene	5.322	96	76417	27.373	ug/L	92
18) Methyl tert-butyl Ether	5.316	73	172318	26.539	ug/L	99
19) 1,1-Dichloroethane	6.116	63	141748	29.016	ug/L	97
20) cis-1,2-Dichloroethene	7.081	96	85261	27.867	ug/L	99
22) 2-Butanone	7.087	43	56175	48.466	ug/L	99
23) Bromochloromethane	7.428	128	39015	28.868	ug/L	94
25) Chloroform	7.593	83	156119	29.287	ug/L	100

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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
27) 1,2-Dichloroethane	8.328	62	96100	28.071	ug/L		98
29) Cyclohexane	7.881	56	111312	28.872	ug/L		96
30) 1,1,1-Trichloroethane	7.793	97	120435	28.808	ug/L		96
31) Carbon tetrachloride	7.993	117	109318	29.682	ug/L		100
33) Benzene	8.251	78	330172	28.729	ug/L		100
34) Trichloroethene	9.028	95	80468	27.723	ug/L		94
35) Methylcyclohexane	9.275	83	133576	29.410	ug/L		98
37) 1,2-Dichloropropane	9.304	63	84512	27.907	ug/L		99
38) Bromodichloromethane	9.587	83	110060	27.855	ug/L		99
39) cis-1,3-Dichloropropene	10.016	75	134427	28.518	ug/L		99
40) 4-Methyl-2-pentanone	10.157	43	102270	54.377	ug/L		97
42) Toluene	10.334	91	348881	29.178	ug/L		96
44) trans-1,3-Dichloropropene	10.551	75	114882	27.856	ug/L		96
45) 1,1,2-Trichloroethane	10.734	97	68607	28.422	ug/L		94
46) Tetrachloroethene	10.810	164	59588	29.897	ug/L		99
48) 2-Hexanone	10.922	43	87028	56.729	ug/L		96
49) Dibromochloromethane	11.075	129	74442	27.440	ug/L		92
50) 1,2-Dibromoethane	11.181	107	65788	27.940	ug/L	#	99
51) Chlorobenzene	11.604	112	223593	28.881	ug/L		100
52) Ethylbenzene	11.681	91	384048	29.900	ug/L		95
53) m,p-Xylene	11.792	106	144607	29.294	ug/L		92
54) o-Xylene	12.122	106	141372	29.699	ug/L		98
55) Styrene	12.134	104	259056	30.169	ug/L		97
57) 1,1,2,2-Tetrachloroethane	12.675	83	81915	26.486	ug/L	#	95
59) Bromoform	12.298	173	44549	27.332	ug/L		97
60) Isopropylbenzene	12.422	105	372778	30.369	ug/L		100
61) 1,2,3-Trichloropropane	12.722	75	57433	27.717	ug/L		98
62) 1,3,5-Trimethylbenzene	12.904	105	291656	30.377	ug/L		99
63) 1,2,4-Trimethylbenzene	13.210	105	287681	30.251	ug/L		99
64) 1,3-Dichlorobenzene	13.457	146	159229	29.070	ug/L		99
65) 1,4-Dichlorobenzene	13.533	146	167207	29.158	ug/L		97
67) 1,2-Dichlorobenzene	13.828	146	149988	28.948	ug/L		98
68) 1,2-Dibromo-3-chloropr...	14.445	75	12075	26.301	ug/L		97
69) 1,3,5-Trichlorobenzene	14.592	180	99391	29.452	ug/L		99
70) 1,2,4-trichlorobenzene	15.098	180	81153	27.822	ug/L		97
71) Naphthalene	15.327	128	189614	27.767	ug/L		98
72) 1,2,3-Trichlorobenzene	15.522	180	77324	28.397	ug/L		98

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

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