Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD052824\
Data File : VD079052.D
Acq On : 28 May 2024 16:39
Operator : RP/MD
Sample : VSTDCCC025EC
Misc : 5.00G/10ml/MSVOA_D/SOIL
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VSTD025256

Quant Time: May 29 01:35:04 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM051724SMA.M
Quant Title : SFAM01.0
QLast Update : Fri May 24 02:12:30 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	8.775	114	195186	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.581	117	195976	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.516	152	104439	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.275	65	125377	26.203	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 104.800%			
7) Chloroethane-d5	2.805	69	135040	26.365	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 105.440%			
11) 1,1-Dichloroethene-d2	3.922	65	23071	24.718	ug/L	0.00
Spiked Amount 25.000	Range 45 - 110		Recovery = 98.880%			
21) 2-Butanone-d5	6.987	46	22810	33.680	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 67.360%			
24) Chloroform-d	7.569	84	122945	21.159	ug/L	0.00
Spiked Amount 25.000	Range 40 - 150		Recovery = 84.640%			
26) 1,2-Dichloroethane-d4	8.222	65	61519	22.294	ug/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 89.160%			
32) Benzene-d6	8.199	84	265166	26.518	ug/L	0.00
Spiked Amount 25.000	Range 20 - 135		Recovery = 106.080%			
36) 1,2-Dichloropropane-d6	9.210	67	72186	23.692	ug/L	0.00
Spiked Amount 25.000	Range 70 - 120		Recovery = 94.760%			
41) Toluene-d8	10.269	98	251244	27.258	ug/L	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery = 109.040%			
43) trans-1,3-Dichloroprop...	10.528	79	32851	23.406	ug/L	0.00
Spiked Amount 25.000	Range 30 - 135		Recovery = 93.640%			
47) 2-Hexanone-d5	10.875	63	21858	35.795	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 71.600%			
56) 1,1,2,2-Tetrachloroeth...	12.645	84	71305	20.573	ug/L	0.00
Spiked Amount 25.000	Range 45 - 120		Recovery = 82.280%			
66) 1,2-Dichlorobenzene-d4	13.816	152	83535	23.565	ug/L	0.00
Spiked Amount 25.000	Range 75 - 120		Recovery = 94.280%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.934	85	68762	17.607	ug/L	99
3) Chloromethane	2.152	50	96216	20.079	ug/L	90
5) Vinyl chloride	2.287	62	151452	19.317	ug/L	100
6) Bromomethane	2.693	94	100150	17.862	ug/L	91
8) Chloroethane	2.840	64	132825	21.936	ug/L	98
9) Trichlorofluoromethane	3.175	101	132351	21.645	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	3.969	101	85083	21.951	ug/L	96
12) 1,1-Dichloroethene	3.934	96	71355	21.143	ug/L	94
13) Acetone	4.028	43	34161	41.756	ug/L	97
14) Carbon disulfide	4.264	76	163249	16.692	ug/L	96
15) Methyl Acetate	4.564	43	29902	22.495	ug/L	97
16) Methylene chloride	4.799	84	94775	20.499	ug/L	98
17) trans-1,2-Dichloroethene	5.305	96	82004	23.864	ug/L	95
18) Methyl tert-butyl Ether	5.311	73	186749	25.507	ug/L #	94
19) 1,1-Dichloroethane	6.111	63	152261	26.380	ug/L	95
20) cis-1,2-Dichloroethene	7.075	96	100784	25.713	ug/L	96
22) 2-Butanone	7.081	43	43724	46.485	ug/L	96
23) Bromochloromethane	7.422	128	48517	24.772	ug/L #	87
25) Chloroform	7.593	83	188496	27.170	ug/L	99

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Quant Title : SFAM01.0
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	8.322	62	101130	25.168	ug/L	100
29) Cyclohexane	7.875	56	83135	22.072	ug/L	96
30) 1,1,1-Trichloroethane	7.793	97	143283	26.426	ug/L	99
31) Carbon tetrachloride	7.993	117	125324	25.103	ug/L	100
33) Benzene	8.246	78	366712	27.299	ug/L	100
34) Trichloroethene	9.028	95	89690	25.916	ug/L	97
35) Methylcyclohexane	9.269	83	116578	22.406	ug/L	98
37) 1,2-Dichloropropane	9.304	63	94680	27.811	ug/L	99
38) Bromodichloromethane	9.581	83	133184	27.666	ug/L	98
39) cis-1,3-Dichloropropene	10.016	75	147490	27.617	ug/L	96
40) 4-Methyl-2-pentanone	10.157	43	93251	54.228	ug/L	97
42) Toluene	10.334	91	415341	28.122	ug/L	99
44) trans-1,3-Dichloropropene	10.551	75	130148	27.566	ug/L	95
45) 1,1,2-Trichloroethane	10.728	97	84337	27.092	ug/L	91
46) Tetrachloroethene	10.810	164	72722	24.423	ug/L	94
48) 2-Hexanone	10.916	43	67447	50.596	ug/L	98
49) Dibromochloromethane	11.075	129	103494	27.346	ug/L	93
50) 1,2-Dibromoethane	11.175	107	77250	26.270	ug/L	98
51) Chlorobenzene	11.604	112	280668	26.899	ug/L	99
52) Ethylbenzene	11.681	91	454510	28.514	ug/L	97
53) m,p-Xylene	11.793	106	179879	28.208	ug/L	98
54) o-Xylene	12.122	106	177749	28.619	ug/L	100
55) Styrene	12.134	104	328587	29.938	ug/L	97
57) 1,1,2,2-Tetrachloroethane	12.669	83	103183	27.328	ug/L	100
59) Bromoform	12.298	173	64144	27.137	ug/L	99
60) Isopropylbenzene	12.422	105	471931	30.565	ug/L	99
61) 1,2,3-Trichloropropane	12.722	75	65342	27.294	ug/L	99
62) 1,3,5-Trimethylbenzene	12.904	105	363494	31.849	ug/L	99
63) 1,2,4-Trimethylbenzene	13.210	105	363762	31.366	ug/L	99
64) 1,3-Dichlorobenzene	13.457	146	224913	29.993	ug/L	97
65) 1,4-Dichlorobenzene	13.534	146	231948	28.690	ug/L	96
67) 1,2-Dichlorobenzene	13.828	146	208929	29.437	ug/L	98
68) 1,2-Dibromo-3-chloropr...	14.445	75	13134	26.337	ug/L	95
69) 1,3,5-Trichlorobenzene	14.592	180	141509	29.056	ug/L	99
70) 1,2,4-trichlorobenzene	15.098	180	117500	28.499	ug/L	98
71) Naphthalene	15.334	128	237848	28.275	ug/L	98
72) 1,2,3-Trichlorobenzene	15.522	180	114404	29.687	ug/L	100

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

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