Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD052424\
Data File : VD079021.D
Acq On : 24 May 2024 16:22
Operator : RP/MD
Sample : VSTDCCC025
Misc : 5.00G/10ml/MSVOA_D/SOIL
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VSTD025253

Quant Time: May 24 23:26:35 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	180521	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.581	117	175913	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.516	152	93187	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.270	65	135706	30.665	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 122.680%			
7) Chloroethane-d5	2.793	69	137539	29.034	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 116.120%			
11) 1,1-Dichloroethene-d2	3.917	65	21597	25.019	ug/L	0.00
Spiked Amount 25.000	Range 45 - 110		Recovery = 100.080%			
21) 2-Butanone-d5	6.987	46	20325	32.448	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 64.900%			
24) Chloroform-d	7.563	84	118913	22.127	ug/L	0.00
Spiked Amount 25.000	Range 40 - 150		Recovery = 88.520%			
26) 1,2-Dichloroethane-d4	8.228	65	54637	21.408	ug/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 85.640%			
32) Benzene-d6	8.199	84	240664	26.812	ug/L	0.00
Spiked Amount 25.000	Range 20 - 135		Recovery = 107.240%			
36) 1,2-Dichloropropane-d6	9.204	67	64771	23.683	ug/L	0.00
Spiked Amount 25.000	Range 70 - 120		Recovery = 94.720%			
41) Toluene-d8	10.269	98	226665	27.396	ug/L	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery = 109.600%			
43) trans-1,3-Dichloroprop...	10.522	79	28698	22.779	ug/L	0.00
Spiked Amount 25.000	Range 30 - 135		Recovery = 91.120%			
47) 2-Hexanone-d5	10.875	63	20100	36.670	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 73.340%			
56) 1,1,2,2-Tetrachloroeth...	12.645	84	59625	19.165	ug/L	0.00
Spiked Amount 25.000	Range 45 - 120		Recovery = 76.680%			
66) 1,2-Dichlorobenzene-d4	13.810	152	72202	22.828	ug/L	0.00
Spiked Amount 25.000	Range 75 - 120		Recovery = 91.320%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.934	85	59903	16.585	ug/L	99
3) Chloromethane	2.146	50	88559	19.983	ug/L	96
5) Vinyl chloride	2.281	62	147442	20.333	ug/L	95
6) Bromomethane	2.687	94	104882	20.226	ug/L	94
8) Chloroethane	2.834	64	120763	21.564	ug/L	95
9) Trichlorofluoromethane	3.170	101	107838	19.069	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	3.958	101	68550	19.122	ug/L	98
12) 1,1-Dichloroethene	3.934	96	60333	19.329	ug/L	95
13) Acetone	4.028	43	25222	33.334	ug/L	74
14) Carbon disulfide	4.264	76	147566	16.315	ug/L #	94
15) Methyl Acetate	4.564	43	24878	20.236	ug/L	96
16) Methylene chloride	4.793	84	84979	19.873	ug/L	98
17) trans-1,2-Dichloroethene	5.305	96	69614	21.904	ug/L	93
18) Methyl tert-butyl Ether	5.316	73	153044	22.602	ug/L #	93
19) 1,1-Dichloroethane	6.105	63	126784	23.751	ug/L	96
20) cis-1,2-Dichloroethene	7.081	96	84611	23.340	ug/L	98
22) 2-Butanone	7.081	43	35172	40.431	ug/L	96
23) Bromochloromethane	7.428	128	41726	23.036	ug/L #	91
25) Chloroform	7.599	83	149176	23.249	ug/L	100

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Quant Title : SFAM01.0
QLast Update : Fri May 24 02:12:30 2024
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	8.322	62	84869	22.837	ug/L	94
29) Cyclohexane	7.881	56	70110	20.737	ug/L	97
30) 1,1,1-Trichloroethane	7.793	97	118419	24.331	ug/L	99
31) Carbon tetrachloride	7.993	117	104546	23.329	ug/L	99
33) Benzene	8.246	78	310535	25.753	ug/L	100
34) Trichloroethene	9.022	95	75193	24.205	ug/L	99
35) Methylcyclohexane	9.269	83	99192	21.238	ug/L	99
37) 1,2-Dichloropropane	9.304	63	81142	26.553	ug/L	99
38) Bromodichloromethane	9.581	83	112087	25.939	ug/L	98
39) cis-1,3-Dichloropropene	10.016	75	121004	25.242	ug/L	91
40) 4-Methyl-2-pentanone	10.157	43	77173	49.997	ug/L	98
42) Toluene	10.334	91	350551	26.442	ug/L	99
44) trans-1,3-Dichloropropene	10.551	75	108433	25.586	ug/L	99
45) 1,1,2-Trichloroethane	10.734	97	73248	26.213	ug/L	96
46) Tetrachloroethene	10.804	164	62349	23.327	ug/L	97
48) 2-Hexanone	10.922	43	54857	45.845	ug/L	99
49) Dibromochloromethane	11.069	129	81517	23.995	ug/L	98
50) 1,2-Dibromoethane	11.175	107	63562	24.080	ug/L	98
51) Chlorobenzene	11.604	112	236955	25.300	ug/L	98
52) Ethylbenzene	11.681	91	379589	26.530	ug/L	95
53) m,p-Xylene	11.793	106	151743	26.510	ug/L	97
54) o-Xylene	12.122	106	147054	26.377	ug/L	96
55) Styrene	12.134	104	276269	28.042	ug/L	95
57) 1,1,2,2-Tetrachloroethane	12.669	83	83542	24.650	ug/L	93
59) Bromoform	12.298	173	52209	24.755	ug/L	98
60) Isopropylbenzene	12.422	105	392787	28.511	ug/L	100
61) 1,2,3-Trichloropropane	12.722	75	53209	24.910	ug/L	99
62) 1,3,5-Trimethylbenzene	12.904	105	297043	29.169	ug/L	99
63) 1,2,4-Trimethylbenzene	13.210	105	299760	28.968	ug/L	99
64) 1,3-Dichlorobenzene	13.457	146	183683	27.452	ug/L	97
65) 1,4-Dichlorobenzene	13.534	146	191400	26.533	ug/L	94
67) 1,2-Dichlorobenzene	13.828	146	167693	26.480	ug/L	100
68) 1,2-Dibromo-3-chloropr...	14.445	75	11149	25.056	ug/L	91
69) 1,3,5-Trichlorobenzene	14.592	180	114311	26.305	ug/L	98
70) 1,2,4-trichlorobenzene	15.098	180	89910	24.440	ug/L	99
71) Naphthalene	15.334	128	185288	24.686	ug/L	100
72) 1,2,3-Trichlorobenzene	15.516	180	89980	26.168	ug/L	98

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

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