Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD053024\
Data File : VD079084.D
Acq On : 30 May 2024 09:36
Operator : RP/MD
Sample : VSTDCCC025
Misc : 5.00G/10ml/MSVOA_D/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VSTD025883

Quant Time: May 31 01:48:17 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM052924SMA.M
Quant Title : SFAM01.0
QLast Update : Thu May 30 01:09:48 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	8.775	114	200167	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.581	117	198891	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.516	152	105033	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.275	65	144247	23.418	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 93.680%			
7) Chloroethane-d5	2.799	69	146447	24.588	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 98.360%			
11) 1,1-Dichloroethene-d2	3.922	65	26864	24.567	ug/L	0.00
Spiked Amount 25.000	Range 45 - 110		Recovery = 98.280%			
21) 2-Butanone-d5	6.987	46	23088	49.005	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 98.000%			
24) Chloroform-d	7.569	84	144056	25.739	ug/L	0.00
Spiked Amount 25.000	Range 40 - 150		Recovery = 102.960%			
26) 1,2-Dichloroethane-d4	8.234	65	67989	26.333	ug/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 105.320%			
32) Benzene-d6	8.204	84	300884	27.289	ug/L	0.00
Spiked Amount 25.000	Range 20 - 135		Recovery = 109.160%			
36) 1,2-Dichloropropane-d6	9.210	67	79870	25.148	ug/L	0.00
Spiked Amount 25.000	Range 70 - 120		Recovery = 100.600%			
41) Toluene-d8	10.269	98	282970	27.410	ug/L	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery = 109.640%			
43) trans-1,3-Dichloroprop...	10.522	79	36041	26.998	ug/L	0.00
Spiked Amount 25.000	Range 30 - 135		Recovery = 108.000%			
47) 2-Hexanone-d5	10.875	63	22431	54.631	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 109.260%			
56) 1,1,2,2-Tetrachloroeth...	12.651	84	72409	25.739	ug/L	0.00
Spiked Amount 25.000	Range 45 - 120		Recovery = 102.960%			
66) 1,2-Dichlorobenzene-d4	13.816	152	94447	26.055	ug/L	0.00
Spiked Amount 25.000	Range 75 - 120		Recovery = 104.240%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.934	85	71772	22.651	ug/L	100
3) Chloromethane	2.146	50	94471	22.369	ug/L	97
5) Vinyl chloride	2.287	62	159498	22.882	ug/L	94
6) Bromomethane	2.693	94	125095	23.246	ug/L	91
8) Chloroethane	2.834	64	116564	22.815	ug/L	92
9) Trichlorofluoromethane	3.175	101	118410	22.299	ug/L	97
10) 1,1,2-Trichloro-1,2,2-...	3.969	101	73831	23.187	ug/L #	85
12) 1,1-Dichloroethene	3.946	96	64324	23.204	ug/L	94
13) Acetone	4.016	43	32568	47.748	ug/L	99
14) Carbon disulfide	4.269	76	223929	23.156	ug/L	98
15) Methyl Acetate	4.563	43	21170	22.779	ug/L #	81
16) Methylene chloride	4.799	84	80349	22.528	ug/L	95
17) trans-1,2-Dichloroethene	5.316	96	71360	23.820	ug/L	94
18) Methyl tert-butyl Ether	5.316	73	130466	24.555	ug/L #	92
19) 1,1-Dichloroethane	6.116	63	116110	24.073	ug/L	96
20) cis-1,2-Dichloroethene	7.081	96	77031	24.694	ug/L	95
22) 2-Butanone	7.075	43	34123	47.622	ug/L	93
23) Bromochloromethane	7.428	128	38466	24.322	ug/L	95
25) Chloroform	7.593	83	130448	23.821	ug/L	97

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM052924SMA.M
Quant Title : SFAM01.0
QLast Update : Thu May 30 01:09:48 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	8.328	62	78851	24.804	ug/L	98
29) Cyclohexane	7.875	56	88530	24.670	ug/L	100
30) 1,1,1-Trichloroethane	7.787	97	110995	23.571	ug/L	99
31) Carbon tetrachloride	7.993	117	105915	24.205	ug/L	96
33) Benzene	8.251	78	300477	25.365	ug/L	100
34) Trichloroethene	9.028	95	72040	23.612	ug/L	98
35) Methylcyclohexane	9.275	83	127581	25.236	ug/L	99
37) 1,2-Dichloropropane	9.304	63	74900	25.814	ug/L	99
38) Bromodichloromethane	9.581	83	98402	24.396	ug/L	93
39) cis-1,3-Dichloropropene	10.016	75	112628	24.865	ug/L	100
40) 4-Methyl-2-pentanone	10.157	43	61429	50.715	ug/L	98
42) Toluene	10.334	91	335349	25.494	ug/L	98
44) trans-1,3-Dichloropropene	10.551	75	98733	25.777	ug/L	94
45) 1,1,2-Trichloroethane	10.734	97	63416	24.912	ug/L	97
46) Tetrachloroethene	10.810	164	63692	23.708	ug/L	99
48) 2-Hexanone	10.922	43	51243	48.891	ug/L	96
49) Dibromochloromethane	11.075	129	73337	24.329	ug/L	100
50) 1,2-Dibromoethane	11.175	107	58159	24.860	ug/L	94
51) Chlorobenzene	11.604	112	215651	24.639	ug/L	99
52) Ethylbenzene	11.681	91	344619	25.116	ug/L	100
53) m,p-Xylene	11.792	106	142510	26.473	ug/L	97
54) o-Xylene	12.122	106	132385	25.454	ug/L	96
55) Styrene	12.134	104	246048	26.681	ug/L	97
57) 1,1,2,2-Tetrachloroethane	12.675	83	68969	24.205	ug/L	98
59) Bromoform	12.298	173	44448	23.089	ug/L	98
60) Isopropylbenzene	12.422	105	346041	24.916	ug/L	99
61) 1,2,3-Trichloropropane	12.722	75	44345	23.914	ug/L	99
62) 1,3,5-Trimethylbenzene	12.904	105	236501	24.906	ug/L	98
63) 1,2,4-Trimethylbenzene	13.210	105	258280	25.430	ug/L	98
64) 1,3-Dichlorobenzene	13.457	146	159800	23.951	ug/L	99
65) 1,4-Dichlorobenzene	13.534	146	169975	24.044	ug/L	95
67) 1,2-Dichlorobenzene	13.828	146	149168	24.185	ug/L	98
68) 1,2-Dibromo-3-chloropr...	14.445	75	9060	23.767	ug/L	97
69) 1,3,5-Trichlorobenzene	14.592	180	101818	24.197	ug/L	97
70) 1,2,4-trichlorobenzene	15.098	180	77352	22.134	ug/L	96
71) Naphthalene	15.328	128	149031	22.802	ug/L	99
72) 1,2,3-Trichlorobenzene	15.522	180	75395	24.961	ug/L	96

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

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