Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD091824\
Data File : VD079868.D
Acq On : 18 Sep 2024 17:26
Operator : RP/MD
Sample : VSTDCCC025EC
Misc : 4.99G/10ml/MSVOA_D/SOIL/A
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VSTD025912

Quant Time: Sep 19 01:56:16 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM091024SMA.M
Quant Title : SFAM01.0
QLast Update : Thu Sep 19 01:50:07 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	8.775	114	191248	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.581	117	187199	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.516	152	87198	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.275	65	131618	15.827	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 63.320%			
7) Chloroethane-d5	2.799	69	112289	17.055	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 68.200%			
11) 1,1-Dichloroethene-d2	3.916	65	25344	16.785	ug/L	0.00
Spiked Amount 25.000	Range 45 - 110		Recovery = 67.160%			
21) 2-Butanone-d5	6.981	46	29750	38.503	ug/L	-0.01
Spiked Amount 50.000	Range 20 - 135		Recovery = 77.000%			
24) Chloroform-d	7.563	84	126551	20.130	ug/L	0.00
Spiked Amount 25.000	Range 40 - 150		Recovery = 80.520%			
26) 1,2-Dichloroethane-d4	8.228	65	67406	20.505	ug/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 82.000%			
32) Benzene-d6	8.198	84	260736	19.729	ug/L	0.00
Spiked Amount 25.000	Range 20 - 135		Recovery = 78.920%			
36) 1,2-Dichloropropane-d6	9.210	67	80249	19.826	ug/L	0.00
Spiked Amount 25.000	Range 70 - 120		Recovery = 79.320%			
41) Toluene-d8	10.269	98	235060	20.212	ug/L	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery = 80.840%			
43) trans-1,3-Dichloroprop...	10.522	79	33572	19.292	ug/L	0.00
Spiked Amount 25.000	Range 30 - 135		Recovery = 77.160%			
47) 2-Hexanone-d5	10.875	63	27037	40.976	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 81.960%			
56) 1,1,2,2-Tetrachloroeth...	12.645	84	59824	20.113	ug/L	0.00
Spiked Amount 25.000	Range 45 - 120		Recovery = 80.440%			
66) 1,2-Dichlorobenzene-d4	13.810	152	66076	20.094	ug/L	0.00
Spiked Amount 25.000	Range 75 - 120		Recovery = 80.360%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.934	85	65364	17.924	ug/L	98
3) Chloromethane	2.146	50	124966	19.549	ug/L	100
5) Vinyl chloride	2.281	62	155169	19.808	ug/L	99
6) Bromomethane	2.693	94	83539	21.179	ug/L	97
8) Chloroethane	2.834	64	103756	20.048	ug/L	99
9) Trichlorofluoromethane	3.175	101	107172	19.028	ug/L	97
10) 1,1,2-Trichloro-1,2,2-...	3.963	101	61005	19.568	ug/L	99
12) 1,1-Dichloroethene	3.940	96	55737	19.195	ug/L	84
13) Acetone	4.022	43	40103	42.572	ug/L	61
14) Carbon disulfide	4.269	76	173816	18.402	ug/L #	95
15) Methyl Acetate	4.563	43	31970	21.306	ug/L	94
16) Methylene chloride	4.799	84	79951	21.157	ug/L	92
17) trans-1,2-Dichloroethene	5.316	96	66660	21.530	ug/L	97
18) Methyl tert-butyl Ether	5.316	73	157173	22.566	ug/L #	92
19) 1,1-Dichloroethane	6.110	63	136211	22.148	ug/L	99
20) cis-1,2-Dichloroethene	7.075	96	77346	22.688	ug/L	95
22) 2-Butanone	7.075	43	47681	43.149	ug/L	97
23) Bromochloromethane	7.428	128	31841	22.007	ug/L	96
25) Chloroform	7.593	83	143391	22.398	ug/L	95

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM091024SMA.M
Quant Title : SFAM01.0
QLast Update : Thu Sep 19 01:50:07 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
27) 1,2-Dichloroethane	8.328	62	89676	22.919	ug/L		98
29) Cyclohexane	7.881	56	92577	19.993	ug/L		98
30) 1,1,1-Trichloroethane	7.793	97	108703	21.303	ug/L		99
31) Carbon tetrachloride	7.993	117	97331	21.529	ug/L		100
33) Benzene	8.251	78	314117	22.535	ug/L		100
34) Trichloroethene	9.028	95	70426	21.865	ug/L		95
35) Methylcyclohexane	9.275	83	103565	19.925	ug/L		99
37) 1,2-Dichloropropane	9.304	63	87417	22.996	ug/L	#	100
38) Bromodichloromethane	9.581	83	101489	22.912	ug/L		99
39) cis-1,3-Dichloropropene	10.016	75	128611	24.093	ug/L		92
40) 4-Methyl-2-pentanone	10.157	43	89689	45.071	ug/L		99
42) Toluene	10.334	91	339181	23.100	ug/L		99
44) trans-1,3-Dichloropropene	10.551	75	110312	23.448	ug/L		99
45) 1,1,2-Trichloroethane	10.734	97	59524	22.919	ug/L		94
46) Tetrachloroethene	10.810	164	46307	21.177	ug/L		99
48) 2-Hexanone	10.916	43	70518	43.566	ug/L		99
49) Dibromochloromethane	11.075	129	65402	23.071	ug/L		95
50) 1,2-Dibromoethane	11.175	107	50820	22.655	ug/L		96
51) Chlorobenzene	11.604	112	207367	23.533	ug/L		98
52) Ethylbenzene	11.681	91	361144	23.414	ug/L		99
53) m,p-Xylene	11.792	106	135748	23.236	ug/L		97
54) o-Xylene	12.122	106	134057	23.403	ug/L		94
55) Styrene	12.134	104	246957	24.530	ug/L		98
57) 1,1,2,2-Tetrachloroethane	12.669	83	71148	23.371	ug/L		96
59) Bromoform	12.298	173	35721	23.731	ug/L	#	97
60) Isopropylbenzene	12.422	105	348745	23.165	ug/L		100
61) 1,2,3-Trichloropropane	12.722	75	47712	22.260	ug/L		98
62) 1,3,5-Trimethylbenzene	12.904	105	276053	25.073	ug/L		99
63) 1,2,4-Trimethylbenzene	13.210	105	274825	23.802	ug/L		100
64) 1,3-Dichlorobenzene	13.457	146	149446	24.021	ug/L		94
65) 1,4-Dichlorobenzene	13.533	146	154302	23.646	ug/L		95
67) 1,2-Dichlorobenzene	13.828	146	136656	24.302	ug/L		98
68) 1,2-Dibromo-3-chloropr...	14.445	75	9264	21.124	ug/L		87
69) 1,3,5-Trichlorobenzene	14.592	180	86984	23.058	ug/L		97
70) 1,2,4-trichlorobenzene	15.098	180	72663	22.878	ug/L		98
71) Naphthalene	15.327	128	157393	22.187	ug/L		99
72) 1,2,3-Trichlorobenzene	15.516	180	68304	24.042	ug/L		99

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

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