Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD111823\
Data File : VD077640.D
Acq On : 18 Nov 2023 19:47
Operator : JC/SY
Sample : VSTDCCC025EC
Misc : 5.00G/10ml/MSVOA_D/SOIL
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VSTD025216

Quant Time: Nov 19 23:26:53 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM110923SMA.M
Quant Title : SFAM01.0
QLast Update : Sun Nov 19 23:22:21 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	8.775	114	262672	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.581	117	247536	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.516	152	128007	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.275	65	112096	16.776	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 67.120%			
7) Chloroethane-d5	2.805	69	105319	20.064	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 80.240%			
11) 1,1-Dichloroethene-d2	3.911	65	34762	16.824	ug/L	-0.01
Spiked Amount 25.000	Range 45 - 110		Recovery = 67.280%			
21) 2-Butanone-d5	6.987	46	70812	61.209	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 122.420%			
24) Chloroform-d	7.569	84	177717	23.421	ug/L	0.00
Spiked Amount 25.000	Range 40 - 150		Recovery = 93.680%			
26) 1,2-Dichloroethane-d4	8.228	65	101874	25.240	ug/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 100.960%			
32) Benzene-d6	8.199	84	328899	20.472	ug/L	0.00
Spiked Amount 25.000	Range 20 - 135		Recovery = 81.880%			
36) 1,2-Dichloropropane-d6	9.210	67	117060	22.369	ug/L	0.00
Spiked Amount 25.000	Range 70 - 120		Recovery = 89.480%			
41) Toluene-d8	10.269	98	292571	20.153	ug/L	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery = 80.600%			
43) trans-1,3-Dichloroprop...	10.522	79	49569	21.968	ug/L	0.00
Spiked Amount 25.000	Range 30 - 135		Recovery = 87.880%			
47) 2-Hexanone-d5	10.875	63	55164	58.926	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 117.860%			
56) 1,1,2,2-Tetrachloroeth...	12.651	84	102251	29.491	ug/L	0.00
Spiked Amount 25.000	Range 45 - 120		Recovery = 117.960%			
66) 1,2-Dichlorobenzene-d4	13.816	152	104770	23.007	ug/L	0.00
Spiked Amount 25.000	Range 75 - 120		Recovery = 92.040%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.934	85	88205	20.851	ug/L	99
3) Chloromethane	2.146	50	136319	22.398	ug/L	96
5) Vinyl chloride	2.287	62	152382	22.183	ug/L	97
6) Bromomethane	2.699	94	89463	24.462	ug/L	95
8) Chloroethane	2.840	64	102108	23.910	ug/L	94
9) Trichlorofluoromethane	3.181	101	143442	22.945	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	3.970	101	86877	22.583	ug/L	98
12) 1,1-Dichloroethene	3.940	96	79268	21.221	ug/L	94
13) Acetone	4.022	43	59952	49.301	ug/L	98
14) Carbon disulfide	4.269	76	257748	19.163	ug/L	98
15) Methyl Acetate	4.558	43	55826	27.905	ug/L	99
16) Methylene chloride	4.805	84	115680	26.084	ug/L	94
17) trans-1,2-Dichloroethene	5.316	96	88774	22.593	ug/L	99
18) Methyl tert-butyl Ether	5.316	73	248853	26.984	ug/L	99
19) 1,1-Dichloroethane	6.111	63	192614	24.432	ug/L	95
20) cis-1,2-Dichloroethene	7.081	96	105262	24.657	ug/L	97
22) 2-Butanone	7.087	43	74958	51.230	ug/L	97
23) Bromochloromethane	7.422	128	43931	25.611	ug/L	95
25) Chloroform	7.593	83	185251	25.579	ug/L	95

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Quant Title : SFAM01.0
QLast Update : Sun Nov 19 23:22:21 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
27) 1,2-Dichloroethane	8.328	62	132728	27.646	ug/L		97
29) Cyclohexane	7.875	56	150729	18.754	ug/L		98
30) 1,1,1-Trichloroethane	7.799	97	146352	22.585	ug/L		99
31) Carbon tetrachloride	7.993	117	123920	22.251	ug/L		99
33) Benzene	8.252	78	397233	23.141	ug/L		100
34) Trichloroethene	9.028	95	95926	22.552	ug/L		93
35) Methylcyclohexane	9.275	83	152710	19.895	ug/L		98
37) 1,2-Dichloropropane	9.305	63	119871	25.119	ug/L		98
38) Bromodichloromethane	9.581	83	140263	25.625	ug/L		99
39) cis-1,3-Dichloropropene	10.016	75	176695	24.096	ug/L		97
40) 4-Methyl-2-pentanone	10.157	43	158000	54.332	ug/L		99
42) Toluene	10.334	91	415216	23.039	ug/L		99
44) trans-1,3-Dichloropropene	10.552	75	153865	25.394	ug/L		97
45) 1,1,2-Trichloroethane	10.734	97	79952	27.409	ug/L		93
46) Tetrachloroethene	10.810	164	69260	22.130	ug/L		92
48) 2-Hexanone	10.922	43	116160	50.394	ug/L		97
49) Dibromochloromethane	11.075	129	88553	26.725	ug/L		93
50) 1,2-Dibromoethane	11.181	107	75402	27.031	ug/L		96
51) Chlorobenzene	11.610	112	260054	24.630	ug/L		97
52) Ethylbenzene	11.687	91	467239	23.562	ug/L		98
53) m,p-Xylene	11.793	106	169273	23.458	ug/L		100
54) o-Xylene	12.122	106	164711	23.832	ug/L		100
55) Styrene	12.134	104	305179	25.290	ug/L		95
57) 1,1,2,2-Tetrachloroethane	12.675	83	98892	28.778	ug/L		95
59) Bromoform	12.304	173	55044	25.221	ug/L		97
60) Isopropylbenzene	12.422	105	449162	21.693	ug/L		99
61) 1,2,3-Trichloropropane	12.722	75	70054	25.692	ug/L		100
62) 1,3,5-Trimethylbenzene	12.904	105	338914	21.567	ug/L		99
63) 1,2,4-Trimethylbenzene	13.210	105	358043	22.493	ug/L		100
64) 1,3-Dichlorobenzene	13.457	146	193321	22.759	ug/L		98
65) 1,4-Dichlorobenzene	13.540	146	200392	23.376	ug/L		97
67) 1,2-Dichlorobenzene	13.834	146	177441	23.627	ug/L		95
68) 1,2-Dibromo-3-chloropr...	14.451	75	14740	24.853	ug/L	#	77
69) 1,3,5-Trichlorobenzene	14.592	180	126201	21.820	ug/L		98
70) 1,2,4-trichlorobenzene	15.098	180	113528	23.290	ug/L		99
71) Naphthalene	15.334	128	237217	25.821	ug/L		99
72) 1,2,3-Trichlorobenzene	15.522	180	101598	24.444	ug/L		99

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

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