Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD112123\
Data File : VD077642.D
Acq On : 21 Nov 2023 10:31
Operator : JC/SY
Sample : VSTDCCC025
Misc : 5.00G/10ml/MSVOA_D/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VSTD025217

Quant Time: Nov 22 01:38:27 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	8.781	114	263300	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.581	117	242806	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.522	152	125744	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.281	65	190980	28.513	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 114.040%			
7) Chloroethane-d5	2.811	69	148706	28.261	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 113.040%			
11) 1,1-Dichloroethene-d2	3.928	65	56754	27.402	ug/L	0.00
Spiked Amount 25.000	Range 45 - 110		Recovery = 109.600%			
21) 2-Butanone-d5	6.993	46	56774	48.958	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 97.920%			
24) Chloroform-d	7.575	84	208954	27.472	ug/L	0.00
Spiked Amount 25.000	Range 40 - 150		Recovery = 109.880%			
26) 1,2-Dichloroethane-d4	8.234	65	109426	27.047	ug/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 108.200%			
32) Benzene-d6	8.204	84	429910	27.280	ug/L	0.00
Spiked Amount 25.000	Range 20 - 135		Recovery = 109.120%			
36) 1,2-Dichloropropane-d6	9.210	67	132304	25.774	ug/L	0.00
Spiked Amount 25.000	Range 70 - 120		Recovery = 103.080%			
41) Toluene-d8	10.269	98	391545	27.496	ug/L	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery = 110.000%			
43) trans-1,3-Dichloroprop...	10.528	79	56420	25.492	ug/L	0.00
Spiked Amount 25.000	Range 30 - 135		Recovery = 101.960%			
47) 2-Hexanone-d5	10.875	63	47201	51.402	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 102.800%			
56) 1,1,2,2-Tetrachloroeth...	12.651	84	93036	27.356	ug/L	0.00
Spiked Amount 25.000	Range 45 - 120		Recovery = 109.440%			
66) 1,2-Dichlorobenzene-d4	13.816	152	113574	25.389	ug/L	0.00
Spiked Amount 25.000	Range 75 - 120		Recovery = 101.560%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.940	85	107851	25.434	ug/L	98
3) Chloromethane	2.152	50	144859	23.745	ug/L	100
5) Vinyl chloride	2.293	62	170827	24.809	ug/L	99
6) Bromomethane	2.705	94	95455	26.039	ug/L	97
8) Chloroethane	2.846	64	112164	26.202	ug/L	95
9) Trichlorofluoromethane	3.187	101	169355	27.026	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	3.981	101	104421	27.078	ug/L	100
12) 1,1-Dichloroethene	3.952	96	92474	24.697	ug/L	98
13) Acetone	4.022	43	67825	55.642	ug/L	97
14) Carbon disulfide	4.281	76	286292	21.234	ug/L	98
15) Methyl Acetate	4.569	43	50979	25.421	ug/L	97
16) Methylene chloride	4.810	84	139396	31.356	ug/L	94
17) trans-1,2-Dichloroethene	5.322	96	97095	24.652	ug/L	94
18) Methyl tert-butyl Ether	5.328	73	240156	25.979	ug/L	99
19) 1,1-Dichloroethane	6.122	63	203544	25.757	ug/L	98
20) cis-1,2-Dichloroethene	7.087	96	110549	25.834	ug/L	98
22) 2-Butanone	7.087	43	72390	49.357	ug/L	96
23) Bromochloromethane	7.434	128	44178	25.693	ug/L	95
25) Chloroform	7.598	83	200283	27.589	ug/L	98

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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	8.334	62	131537	27.333	ug/L	98
29) Cyclohexane	7.887	56	181182	22.982	ug/L	98
30) 1,1,1-Trichloroethane	7.798	97	166298	26.162	ug/L	99
31) Carbon tetrachloride	7.998	117	145049	26.553	ug/L	99
33) Benzene	8.257	78	435195	25.847	ug/L	100
34) Trichloroethene	9.034	95	106119	25.435	ug/L	91
35) Methylcyclohexane	9.275	83	183394	24.358	ug/L	98
37) 1,2-Dichloropropane	9.310	63	122715	26.216	ug/L	99
38) Bromodichloromethane	9.587	83	144093	26.837	ug/L	99
39) cis-1,3-Dichloropropene	10.022	75	188496	26.206	ug/L	98
40) 4-Methyl-2-pentanone	10.157	43	147628	51.754	ug/L	99
42) Toluene	10.340	91	466246	26.374	ug/L	98
44) trans-1,3-Dichloropropene	10.557	75	160569	27.016	ug/L	99
45) 1,1,2-Trichloroethane	10.734	97	79411	27.754	ug/L	97
46) Tetrachloroethene	10.816	164	79782	25.989	ug/L	98
48) 2-Hexanone	10.922	43	113617	50.251	ug/L	98
49) Dibromochloromethane	11.075	129	89206	27.447	ug/L	94
50) 1,2-Dibromoethane	11.181	107	72923	26.651	ug/L	97
51) Chlorobenzene	11.610	112	279403	26.978	ug/L	97
52) Ethylbenzene	11.687	91	513203	26.384	ug/L	99
53) m,p-Xylene	11.798	106	188351	26.610	ug/L	97
54) o-Xylene	12.122	106	181831	26.822	ug/L	94
55) Styrene	12.139	104	322995	27.287	ug/L	95
57) 1,1,2,2-Tetrachloroethane	12.675	83	94690	28.092	ug/L	96
59) Bromoform	12.298	173	56410	26.312	ug/L	98
60) Isopropylbenzene	12.422	105	511199	25.134	ug/L	100
61) 1,2,3-Trichloropropane	12.728	75	65741	24.544	ug/L	97
62) 1,3,5-Trimethylbenzene	12.904	105	382136	24.755	ug/L	100
63) 1,2,4-Trimethylbenzene	13.216	105	387351	24.772	ug/L	99
64) 1,3-Dichlorobenzene	13.463	146	214184	25.668	ug/L	98
65) 1,4-Dichlorobenzene	13.539	146	214182	25.434	ug/L	98
67) 1,2-Dichlorobenzene	13.833	146	190294	25.795	ug/L	94
68) 1,2-Dibromo-3-chloropr...	14.445	75	14300	24.545	ug/L	88
69) 1,3,5-Trichlorobenzene	14.592	180	149233	26.266	ug/L	98
70) 1,2,4-trichlorobenzene	15.104	180	121649	25.405	ug/L	99
71) Naphthalene	15.333	128	228873	25.362	ug/L	99
72) 1,2,3-Trichlorobenzene	15.522	180	106793	26.156	ug/L	98

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

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