Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD111423\
Data File : VD077553.D
Acq On : 14 Nov 2023 09:22
Operator : JC/SY
Sample : VSTDCCC025
Misc : 5.00G/10ml/MSVOA_D/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VSTD025207

Quant Time: Nov 16 02:27:08 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM110923SMA.M
Quant Title : SFAM01.0
QLast Update : Fri Nov 10 02:07:44 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	8.781	114	321527	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.587	117	298185	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.522	152	142867	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.281	65	175693	21.481	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 85.920%			
7) Chloroethane-d5	2.811	69	149758	23.307	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 93.240%			
11) 1,1-Dichloroethene-d2	3.928	65	55014	21.752	ug/L	0.00
Spiked Amount 25.000	Range 45 - 110		Recovery = 87.000%			
21) 2-Butanone-d5	6.987	46	68058	48.060	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 96.120%			
24) Chloroform-d	7.575	84	235407	25.345	ug/L	0.00
Spiked Amount 25.000	Range 40 - 150		Recovery = 101.400%			
26) 1,2-Dichloroethane-d4	8.234	65	122567	24.808	ug/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 99.240%			
32) Benzene-d6	8.205	84	467400	24.151	ug/L	0.00
Spiked Amount 25.000	Range 20 - 135		Recovery = 96.600%			
36) 1,2-Dichloropropane-d6	9.210	67	154151	24.453	ug/L	0.00
Spiked Amount 25.000	Range 70 - 120		Recovery = 97.800%			
41) Toluene-d8	10.269	98	417765	23.888	ug/L	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery = 95.560%			
43) trans-1,3-Dichloroprop...	10.528	79	64054	23.566	ug/L	0.00
Spiked Amount 25.000	Range 30 - 135		Recovery = 94.280%			
47) 2-Hexanone-d5	10.881	63	55668	49.364	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 98.720%			
56) 1,1,2,2-Tetrachloroeth...	12.651	84	103984	24.896	ug/L	0.00
Spiked Amount 25.000	Range 45 - 120		Recovery = 99.600%			
66) 1,2-Dichlorobenzene-d4	13.816	152	126033	24.797	ug/L	0.00
Spiked Amount 25.000	Range 75 - 120		Recovery = 99.200%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.934	85	127323	24.589	ug/L	97
3) Chloromethane	2.152	50	182752	24.531	ug/L	99
5) Vinyl chloride	2.293	62	206760	24.590	ug/L	96
6) Bromomethane	2.705	94	115718	25.850	ug/L	98
8) Chloroethane	2.846	64	132172	25.284	ug/L	93
9) Trichlorofluoromethane	3.187	101	195145	25.502	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	3.981	101	119619	25.402	ug/L #	86
12) 1,1-Dichloroethene	3.946	96	111023	24.281	ug/L	86
13) Acetone	4.022	43	74306	49.919	ug/L	97
14) Carbon disulfide	4.281	76	396839	24.103	ug/L	100
15) Methyl Acetate	4.569	43	57630	23.534	ug/L #	82
16) Methylene chloride	4.816	84	124134	22.867	ug/L	97
17) trans-1,2-Dichloroethene	5.322	96	119385	24.822	ug/L	99
18) Methyl tert-butyl Ether	5.322	73	275015	24.362	ug/L #	88
19) 1,1-Dichloroethane	6.116	63	244338	25.320	ug/L	99
20) cis-1,2-Dichloroethene	7.087	96	132427	25.343	ug/L	97
22) 2-Butanone	7.087	43	83477	46.609	ug/L	96
23) Bromochloromethane	7.434	128	50718	24.155	ug/L	96
25) Chloroform	7.599	83	229699	25.911	ug/L	97

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Quant Title : SFAM01.0
QLast Update : Fri Nov 10 02:07:44 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	8.328	62	150317	25.579	ug/L	97
29) Cyclohexane	7.881	56	232929	24.059	ug/L	99
30) 1,1,1-Trichloroethane	7.799	97	196066	25.117	ug/L	100
31) Carbon tetrachloride	7.999	117	167498	24.968	ug/L	98
33) Benzene	8.257	78	519265	25.112	ug/L	100
34) Trichloroethene	9.028	95	130098	25.391	ug/L	94
35) Methylcyclohexane	9.275	83	224747	24.307	ug/L	99
37) 1,2-Dichloropropane	9.304	63	143571	24.976	ug/L	100
38) Bromodichloromethane	9.587	83	164182	24.900	ug/L	97
39) cis-1,3-Dichloropropene	10.022	75	222334	25.170	ug/L	99
40) 4-Methyl-2-pentanone	10.163	43	165708	47.303	ug/L	98
42) Toluene	10.334	91	546587	25.177	ug/L	99
44) trans-1,3-Dichloropropene	10.557	75	178956	24.518	ug/L	99
45) 1,1,2-Trichloroethane	10.734	97	86191	24.529	ug/L	96
46) Tetrachloroethene	10.810	164	92503	24.536	ug/L	95
48) 2-Hexanone	10.922	43	131235	47.263	ug/L	99
49) Dibromochloromethane	11.075	129	96892	24.275	ug/L	98
50) 1,2-Dibromoethane	11.181	107	78916	23.485	ug/L	98
51) Chlorobenzene	11.610	112	318642	25.053	ug/L	99
52) Ethylbenzene	11.687	91	606261	25.379	ug/L	98
53) m,p-Xylene	11.798	106	221636	25.497	ug/L	97
54) o-Xylene	12.122	106	209318	25.142	ug/L	99
55) Styrene	12.140	104	374180	25.741	ug/L	95
57) 1,1,2,2-Tetrachloroethane	12.675	83	99107	23.942	ug/L	97
59) Bromoform	12.304	173	56950	23.380	ug/L	99
60) Isopropylbenzene	12.422	105	584605	25.298	ug/L	99
61) 1,2,3-Trichloropropane	12.728	75	70475	23.158	ug/L	100
62) 1,3,5-Trimethylbenzene	12.904	105	442131	25.209	ug/L	100
63) 1,2,4-Trimethylbenzene	13.216	105	454068	25.558	ug/L	99
64) 1,3-Dichlorobenzene	13.463	146	235467	24.837	ug/L	97
65) 1,4-Dichlorobenzene	13.540	146	235919	24.658	ug/L	96
67) 1,2-Dichlorobenzene	13.834	146	210312	25.092	ug/L	95
68) 1,2-Dibromo-3-chloropr...	14.445	75	14723	22.242	ug/L	91
69) 1,3,5-Trichlorobenzene	14.592	180	159785	24.753	ug/L	99
70) 1,2,4-trichlorobenzene	15.098	180	130788	24.040	ug/L	99
71) Naphthalene	15.334	128	238342	23.245	ug/L	100
72) 1,2,3-Trichlorobenzene	15.522	180	113190	24.400	ug/L	99

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

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