Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD111623\
Data File : VD077580.D
Acq On : 16 Nov 2023 08:24
Operator : JC/SY
Sample : VSTDCCC025
Misc : 5.00G/10ml/MSVOA_D/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VSTD025211

Quant Time: Nov 17 00:29:12 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	294625	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.581	117	272862	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.516	152	137086	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.281	65	142147	18.966	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 75.880%			
7) Chloroethane-d5	2.811	69	125032	21.236	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 84.960%			
11) 1,1-Dichloroethene-d2	3.928	65	45398	19.589	ug/L	0.00
Spiked Amount 25.000	Range 45 - 110		Recovery = 78.360%			
21) 2-Butanone-d5	6.993	46	65143	50.202	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 100.400%			
24) Chloroform-d	7.569	84	201046	23.622	ug/L	0.00
Spiked Amount 25.000	Range 40 - 150		Recovery = 94.480%			
26) 1,2-Dichloroethane-d4	8.234	65	109591	24.207	ug/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 96.840%			
32) Benzene-d6	8.204	84	391401	22.101	ug/L	0.00
Spiked Amount 25.000	Range 20 - 135		Recovery = 88.400%			
36) 1,2-Dichloropropane-d6	9.210	67	128291	22.240	ug/L	0.00
Spiked Amount 25.000	Range 70 - 120		Recovery = 88.960%			
41) Toluene-d8	10.269	98	351647	21.974	ug/L	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery = 87.880%			
43) trans-1,3-Dichloroprop...	10.528	79	56843	22.854	ug/L	0.00
Spiked Amount 25.000	Range 30 - 135		Recovery = 91.400%			
47) 2-Hexanone-d5	10.881	63	52010	50.400	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 100.800%			
56) 1,1,2,2-Tetrachloroeth...	12.651	84	101017	26.431	ug/L	0.00
Spiked Amount 25.000	Range 45 - 120		Recovery = 105.720%			
66) 1,2-Dichlorobenzene-d4	13.816	152	113281	23.228	ug/L	0.00
Spiked Amount 25.000	Range 75 - 120		Recovery = 92.920%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.934	85	108288	22.822	ug/L	99
3) Chloromethane	2.152	50	161996	23.731	ug/L	100
5) Vinyl chloride	2.293	62	178934	23.223	ug/L	98
6) Bromomethane	2.705	94	102073	24.884	ug/L	95
8) Chloroethane	2.846	64	117191	24.465	ug/L	90
9) Trichlorofluoromethane	3.181	101	177306	25.286	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	3.975	101	107509	24.915	ug/L	98
12) 1,1-Dichloroethene	3.946	96	98883	23.601	ug/L	97
13) Acetone	4.022	43	74731	54.789	ug/L	97
14) Carbon disulfide	4.281	76	332927	22.068	ug/L	98
15) Methyl Acetate	4.575	43	54526	24.299	ug/L	99
16) Methylene chloride	4.805	84	107012	21.512	ug/L	98
17) trans-1,2-Dichloroethene	5.322	96	103888	23.572	ug/L	97
18) Methyl tert-butyl Ether	5.322	73	257944	24.936	ug/L #	86
19) 1,1-Dichloroethane	6.116	63	217431	24.589	ug/L	98
20) cis-1,2-Dichloroethene	7.081	96	117475	24.534	ug/L	98
22) 2-Butanone	7.087	43	82649	50.360	ug/L	96
23) Bromochloromethane	7.428	128	48554	25.236	ug/L	94
25) Chloroform	7.598	83	204029	25.117	ug/L	98

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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
27) 1,2-Dichloroethane	8.328	62	136948	25.432	ug/L		100
29) Cyclohexane	7.881	56	199242	22.489	ug/L		99
30) 1,1,1-Trichloroethane	7.793	97	176999	24.779	ug/L		99
31) Carbon tetrachloride	7.998	117	151459	24.672	ug/L		97
33) Benzene	8.251	78	458397	24.226	ug/L		100
34) Trichloroethene	9.028	95	111891	23.864	ug/L		88
35) Methylcyclohexane	9.275	83	196685	23.246	ug/L		98
37) 1,2-Dichloropropane	9.304	63	128706	24.467	ug/L		100
38) Bromodichloromethane	9.587	83	149172	24.723	ug/L		96
39) cis-1,3-Dichloropropene	10.016	75	196431	24.301	ug/L		100
40) 4-Methyl-2-pentanone	10.157	43	162203	50.600	ug/L		98
42) Toluene	10.334	91	486630	24.495	ug/L		99
44) trans-1,3-Dichloropropene	10.557	75	167366	25.058	ug/L		100
45) 1,1,2-Trichloroethane	10.734	97	80518	25.041	ug/L		98
46) Tetrachloroethene	10.810	164	84223	24.413	ug/L		97
48) 2-Hexanone	10.922	43	127758	50.281	ug/L		99
49) Dibromochloromethane	11.075	129	92639	25.363	ug/L		98
50) 1,2-Dibromoethane	11.181	107	76156	24.767	ug/L		99
51) Chlorobenzene	11.610	112	292270	25.112	ug/L		98
52) Ethylbenzene	11.687	91	540314	24.718	ug/L		95
53) m,p-Xylene	11.792	106	198079	24.902	ug/L		100
54) o-Xylene	12.122	106	189658	24.895	ug/L		97
55) Styrene	12.134	104	334309	25.132	ug/L		98
57) 1,1,2,2-Tetrachloroethane	12.675	83	98208	25.927	ug/L		98
59) Bromoform	12.298	173	57062	24.414	ug/L		100
60) Isopropylbenzene	12.422	105	523026	23.587	ug/L		100
61) 1,2,3-Trichloropropane	12.728	75	69031	23.640	ug/L		99
62) 1,3,5-Trimethylbenzene	12.904	105	395877	23.524	ug/L		98
63) 1,2,4-Trimethylbenzene	13.216	105	410110	24.057	ug/L		99
64) 1,3-Dichlorobenzene	13.457	146	217090	23.864	ug/L		98
65) 1,4-Dichlorobenzene	13.539	146	221635	24.142	ug/L		98
67) 1,2-Dichlorobenzene	13.833	146	194018	24.124	ug/L		99
68) 1,2-Dibromo-3-chloropr...	14.451	75	14432	22.722	ug/L	#	76
69) 1,3,5-Trichlorobenzene	14.598	180	149849	24.192	ug/L		99
70) 1,2,4-trichlorobenzene	15.098	180	127083	24.344	ug/L		99
71) Naphthalene	15.333	128	241951	24.593	ug/L		100
72) 1,2,3-Trichlorobenzene	15.522	180	111887	25.136	ug/L		98

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

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