Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD112123\
Data File : VD077655.D
Acq On : 21 Nov 2023 19:40
Operator : JC/SY
Sample : VSTDCCC025EC
Misc : 5.00G/10ml/MSVOA_D/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VSTD025218

Quant Time: Nov 22 01:44:10 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM110923SMA.M
Quant Title : SFAM01.0
QLast Update : Wed Nov 22 01:40:25 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	8.781	114	238144	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.581	117	226420	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.516	152	117558	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.281	65	157243	25.956	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 103.840%			
7) Chloroethane-d5	2.811	69	128834	27.071	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 108.280%			
11) 1,1-Dichloroethene-d2	3.922	65	46792	24.979	ug/L	0.00
Spiked Amount 25.000	Range 45 - 110		Recovery = 99.920%			
21) 2-Butanone-d5	6.987	46	48923	46.644	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 93.280%			
24) Chloroform-d	7.569	84	182226	26.489	ug/L	0.00
Spiked Amount 25.000	Range 40 - 150		Recovery = 105.960%			
26) 1,2-Dichloroethane-d4	8.234	65	98578	26.939	ug/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 107.760%			
32) Benzene-d6	8.204	84	380425	25.887	ug/L	0.00
Spiked Amount 25.000	Range 20 - 135		Recovery = 103.560%			
36) 1,2-Dichloropropane-d6	9.210	67	116251	24.286	ug/L	0.00
Spiked Amount 25.000	Range 70 - 120		Recovery = 97.160%			
41) Toluene-d8	10.269	98	346111	26.064	ug/L	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery = 104.240%			
43) trans-1,3-Dichloroprop...	10.528	79	49807	24.133	ug/L	0.00
Spiked Amount 25.000	Range 30 - 135		Recovery = 96.520%			
47) 2-Hexanone-d5	10.881	63	41179	48.090	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 96.180%			
56) 1,1,2,2-Tetrachloroeth...	12.651	84	84517	26.649	ug/L	0.00
Spiked Amount 25.000	Range 45 - 120		Recovery = 106.600%			
66) 1,2-Dichlorobenzene-d4	13.816	152	105835	25.306	ug/L	0.00
Spiked Amount 25.000	Range 75 - 120		Recovery = 101.240%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.934	85	79346	20.689	ug/L	98
3) Chloromethane	2.152	50	111618	20.229	ug/L	98
5) Vinyl chloride	2.287	62	133883	21.497	ug/L	100
6) Bromomethane	2.699	94	79142	23.869	ug/L	96
8) Chloroethane	2.846	64	89284	23.060	ug/L	96
9) Trichlorofluoromethane	3.181	101	131675	23.232	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	3.975	101	82733	23.721	ug/L	99
12) 1,1-Dichloroethene	3.946	96	73356	21.661	ug/L	88
13) Acetone	4.022	43	50573	45.871	ug/L	98
14) Carbon disulfide	4.275	76	217380	17.826	ug/L	99
15) Methyl Acetate	4.564	43	42111	23.217	ug/L #	85
16) Methylene chloride	4.805	84	113510	28.231	ug/L	99
17) trans-1,2-Dichloroethene	5.316	96	81044	22.750	ug/L	93
18) Methyl tert-butyl Ether	5.322	73	203348	24.320	ug/L #	87
19) 1,1-Dichloroethane	6.116	63	167887	23.489	ug/L	95
20) cis-1,2-Dichloroethene	7.081	96	93437	24.142	ug/L	95
22) 2-Butanone	7.087	43	59314	44.713	ug/L	99
23) Bromochloromethane	7.434	128	38765	24.927	ug/L	92
25) Chloroform	7.599	83	167233	25.469	ug/L	100

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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
27) 1,2-Dichloroethane	8.328	62	110876	25.473	ug/L	#	93
29) Cyclohexane	7.881	56	134733	18.327	ug/L		97
30) 1,1,1-Trichloroethane	7.793	97	139151	23.476	ug/L		98
31) Carbon tetrachloride	7.993	117	118063	23.177	ug/L		99
33) Benzene	8.252	78	364167	23.193	ug/L		100
34) Trichloroethene	9.028	95	87351	22.452	ug/L		88
35) Methylcyclohexane	9.275	83	142012	20.227	ug/L		96
37) 1,2-Dichloropropane	9.304	63	102178	23.409	ug/L		100
38) Bromodichloromethane	9.581	83	124779	24.922	ug/L		99
39) cis-1,3-Dichloropropene	10.016	75	155783	23.225	ug/L		99
40) 4-Methyl-2-pentanone	10.157	43	121445	45.656	ug/L		97
42) Toluene	10.334	91	385963	23.413	ug/L		100
44) trans-1,3-Dichloropropene	10.551	75	133608	24.107	ug/L		99
45) 1,1,2-Trichloroethane	10.734	97	70306	26.350	ug/L		97
46) Tetrachloroethene	10.810	164	67116	23.445	ug/L		95
48) 2-Hexanone	10.922	43	92336	43.794	ug/L		98
49) Dibromochloromethane	11.075	129	77254	25.490	ug/L		98
50) 1,2-Dibromoethane	11.181	107	64044	25.100	ug/L		97
51) Chlorobenzene	11.610	112	239627	24.812	ug/L		95
52) Ethylbenzene	11.687	91	429020	23.652	ug/L		99
53) m,p-Xylene	11.793	106	157399	23.846	ug/L		97
54) o-Xylene	12.122	106	156847	24.811	ug/L		91
55) Styrene	12.134	104	277509	25.141	ug/L		96
57) 1,1,2,2-Tetrachloroethane	12.675	83	85568	27.223	ug/L		99
59) Bromoform	12.298	173	48806	24.351	ug/L		99
60) Isopropylbenzene	12.422	105	427850	22.500	ug/L		99
61) 1,2,3-Trichloropropane	12.728	75	58882	23.514	ug/L		98
62) 1,3,5-Trimethylbenzene	12.904	105	319625	22.148	ug/L		98
63) 1,2,4-Trimethylbenzene	13.210	105	335072	22.921	ug/L		100
64) 1,3-Dichlorobenzene	13.457	146	183054	23.465	ug/L		96
65) 1,4-Dichlorobenzene	13.540	146	187159	23.773	ug/L		96
67) 1,2-Dichlorobenzene	13.834	146	166964	24.208	ug/L		92
68) 1,2-Dibromo-3-chloropr...	14.451	75	11829	21.717	ug/L	#	72
69) 1,3,5-Trichlorobenzene	14.592	180	126050	23.731	ug/L		99
70) 1,2,4-trichlorobenzene	15.098	180	102785	22.960	ug/L		98
71) Naphthalene	15.334	128	197394	23.396	ug/L		99
72) 1,2,3-Trichlorobenzene	15.522	180	94493	24.755	ug/L		99

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

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