Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD121123\
Data File : VD077809.D
Acq On : 11 Dec 2023 12:48
Operator : JC/SY
Sample : VSTDCCC025EC
Misc : 5.00G/10ml/MSVOA_D/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VSTD025232

Quant Time: Dec 11 13:04:24 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM112923SMA.M
Quant Title : SFAM01.0
QLast Update : Wed Dec 06 00:24:24 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	8.781	114	279506	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.581	117	259583	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.522	152	136371	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.281	65	117927	15.471	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 61.880%			
7) Chloroethane-d5	2.811	69	113075	18.612	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 74.440%			
11) 1,1-Dichloroethene-d2	3.928	65	33128	16.762	ug/L	0.00
Spiked Amount 25.000	Range 45 - 110		Recovery = 67.040%			
21) 2-Butanone-d5	6.987	46	42715	44.340	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 88.680%			
24) Chloroform-d	7.569	84	171301	22.740	ug/L	0.00
Spiked Amount 25.000	Range 40 - 150		Recovery = 90.960%			
26) 1,2-Dichloroethane-d4	8.234	65	85414	22.378	ug/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 89.520%			
32) Benzene-d6	8.204	84	340553	21.783	ug/L	0.00
Spiked Amount 25.000	Range 20 - 135		Recovery = 87.120%			
36) 1,2-Dichloropropane-d6	9.216	67	104076	21.818	ug/L	0.00
Spiked Amount 25.000	Range 70 - 120		Recovery = 87.280%			
41) Toluene-d8	10.269	98	307924	21.398	ug/L	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery = 85.600%			
43) trans-1,3-Dichloroprop...	10.528	79	46188	21.896	ug/L	0.00
Spiked Amount 25.000	Range 30 - 135		Recovery = 87.600%			
47) 2-Hexanone-d5	10.875	63	35605	43.316	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 86.640%			
56) 1,1,2,2-Tetrachloroeth...	12.651	84	85009	24.662	ug/L	0.00
Spiked Amount 25.000	Range 45 - 120		Recovery = 98.640%			
66) 1,2-Dichlorobenzene-d4	13.816	152	111121	22.777	ug/L	0.00
Spiked Amount 25.000	Range 75 - 120		Recovery = 91.120%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.934	85	97641	21.882	ug/L	97
3) Chloromethane	2.152	50	130360	20.336	ug/L	98
5) Vinyl chloride	2.287	62	174511	21.856	ug/L	98
6) Bromomethane	2.705	94	84664	20.015	ug/L	92
8) Chloroethane	2.846	64	114519	22.977	ug/L	99
9) Trichlorofluoromethane	3.187	101	156986	23.052	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	3.975	101	96912	24.123	ug/L	98
12) 1,1-Dichloroethene	3.946	96	89104	23.436	ug/L	88
13) Acetone	4.022	43	49852	40.390	ug/L	94
14) Carbon disulfide	4.281	76	291626	21.644	ug/L	98
15) Methyl Acetate	4.563	43	35755	20.236	ug/L	95
16) Methylene chloride	4.805	84	102217	20.596	ug/L	96
17) trans-1,2-Dichloroethene	5.322	96	98115	24.751	ug/L	96
18) Methyl tert-butyl Ether	5.322	73	214473	24.543	ug/L	97
19) 1,1-Dichloroethane	6.122	63	181423	24.283	ug/L	98
20) cis-1,2-Dichloroethene	7.081	96	110181	25.012	ug/L	95
22) 2-Butanone	7.087	43	54944	39.551	ug/L #	61
23) Bromochloromethane	7.434	128	46928	25.588	ug/L #	86
25) Chloroform	7.599	83	184407	25.071	ug/L	95

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Quant Title : SFAM01.0
QLast Update : Wed Dec 06 00:24:24 2023
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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
27) 1,2-Dichloroethane	8.328	62	111929	24.328	ug/L		98
29) Cyclohexane	7.881	56	146985	21.458	ug/L		91
30) 1,1,1-Trichloroethane	7.799	97	155776	24.524	ug/L		99
31) Carbon tetrachloride	7.993	117	139296	24.937	ug/L		100
33) Benzene	8.257	78	413662	24.483	ug/L		100
34) Trichloroethene	9.028	95	106558	25.407	ug/L		95
35) Methylcyclohexane	9.275	83	171647	23.053	ug/L		94
37) 1,2-Dichloropropane	9.304	63	106206	24.109	ug/L		100
38) Bromodichloromethane	9.587	83	134867	25.176	ug/L		99
39) cis-1,3-Dichloropropene	10.016	75	166478	24.200	ug/L		97
40) 4-Methyl-2-pentanone	10.157	43	104891	43.149	ug/L		94
42) Toluene	10.334	91	449639	25.055	ug/L		95
44) trans-1,3-Dichloropropene	10.557	75	140859	24.515	ug/L		99
45) 1,1,2-Trichloroethane	10.734	97	77581	26.223	ug/L		97
46) Tetrachloroethene	10.810	164	85700	25.341	ug/L		98
48) 2-Hexanone	10.922	43	83615	40.468	ug/L	#	94
49) Dibromochloromethane	11.075	129	91001	25.868	ug/L		95
50) 1,2-Dibromoethane	11.181	107	72196	25.303	ug/L	#	100
51) Chlorobenzene	11.610	112	288725	25.946	ug/L		93
52) Ethylbenzene	11.687	91	494876	24.876	ug/L		99
53) m,p-Xylene	11.792	106	188668	25.099	ug/L		99
54) o-Xylene	12.122	106	186526	25.928	ug/L		95
55) Styrene	12.134	104	327972	26.054	ug/L		97
57) 1,1,2,2-Tetrachloroethane	12.675	83	87699	25.017	ug/L		95
59) Bromoform	12.298	173	57535	25.499	ug/L	#	99
60) Isopropylbenzene	12.422	105	497137	24.424	ug/L		99
61) 1,2,3-Trichloropropane	12.728	75	59036	23.535	ug/L		99
62) 1,3,5-Trimethylbenzene	12.904	105	370766	24.253	ug/L		99
63) 1,2,4-Trimethylbenzene	13.216	105	378598	24.425	ug/L		99
64) 1,3-Dichlorobenzene	13.457	146	221369	25.148	ug/L		99
65) 1,4-Dichlorobenzene	13.539	146	231770	25.374	ug/L		98
67) 1,2-Dichlorobenzene	13.834	146	199284	25.159	ug/L		99
68) 1,2-Dibromo-3-chloropr...	14.451	75	12793	21.629	ug/L		89
69) 1,3,5-Trichlorobenzene	14.592	180	148718	24.811	ug/L		99
70) 1,2,4-trichlorobenzene	15.104	180	124688	24.503	ug/L		99
71) Naphthalene	15.333	128	223498	24.024	ug/L		99
72) 1,2,3-Trichlorobenzene	15.522	180	109764	24.606	ug/L		98

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

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