Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD081023\
Data File : VD076974.D
Acq On : 10 Aug 2023 20:41
Operator : JC/SY
Sample : 03965-02MS
Misc : 5.09G/10.0ml/MSVOA_D/SOIL
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
A4832MS

Quant Time: Aug 11 03:08:09 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM080323SMA.M
Quant Title : SFAM01.0
QLast Update : Fri Aug 11 02:51:25 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	8.775	114	226499	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.581	117	222388	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.516	152	103790	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.270	65	124216	19.942	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 79.760%			
7) Chloroethane-d5	2.793	69	128856	22.377	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 89.520%			
11) 1,1-Dichloroethene-d2	3.911	65	28716	19.456	ug/L	0.00
Spiked Amount 25.000	Range 45 - 110		Recovery = 77.840%			
21) 2-Butanone-d5	6.987	46	34006	34.004	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 68.000%			
24) Chloroform-d	7.563	84	166902	22.629	ug/L	0.00
Spiked Amount 25.000	Range 40 - 150		Recovery = 90.520%			
26) 1,2-Dichloroethane-d4	8.228	65	86189	23.442	ug/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 93.760%			
32) Benzene-d6	8.199	84	322341	23.054	ug/L	0.00
Spiked Amount 25.000	Range 20 - 135		Recovery = 92.200%			
36) 1,2-Dichloropropane-d6	9.204	67	101622	23.639	ug/L	0.00
Spiked Amount 25.000	Range 70 - 120		Recovery = 94.560%			
41) Toluene-d8	10.269	98	291311	22.724	ug/L	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery = 90.880%			
43) trans-1,3-Dichloroprop...	10.528	79	37816	19.457	ug/L	0.00
Spiked Amount 25.000	Range 30 - 135		Recovery = 77.840%			
47) 2-Hexanone-d5	10.875	63	31091	37.861	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 75.720%			
56) 1,1,2,2-Tetrachloroeth...	12.651	84	93485	22.505	ug/L	0.00
Spiked Amount 25.000	Range 45 - 120		Recovery = 90.000%			
66) 1,2-Dichlorobenzene-d4	13.816	152	82119	21.642	ug/L	0.00
Spiked Amount 25.000	Range 75 - 120		Recovery = 86.560%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.928	85	81586	21.732	ug/L	100
3) Chloromethane	2.146	50	122036	25.056	ug/L	97
5) Vinyl chloride	2.275	62	171305	24.595	ug/L	95
6) Bromomethane	2.687	94	96305	18.523	ug/L	97
8) Chloroethane	2.828	64	122651	26.158	ug/L	99
9) Trichlorofluoromethane	3.170	101	141774	24.585	ug/L	97
10) 1,1,2-Trichloro-1,2,2-...	3.958	101	85152	22.661	ug/L	99
12) 1,1-Dichloroethene	3.934	96	82052	24.625	ug/L	80
13) Acetone	4.022	43	27454	26.847	ug/L	92
14) Carbon disulfide	4.258	76	262967	22.739	ug/L	98
15) Methyl Acetate	4.558	43	30198	17.471	ug/L #	76
16) Methylene chloride	4.793	84	101875	21.442	ug/L	76
17) trans-1,2-Dichloroethene	5.305	96	91360	24.216	ug/L	81
18) Methyl tert-butyl Ether	5.316	73	216683	25.997	ug/L #	91
19) 1,1-Dichloroethane	6.105	63	155563	24.695	ug/L	95
20) cis-1,2-Dichloroethene	7.075	96	101892	24.193	ug/L	86
22) 2-Butanone	7.081	43	47978	33.533	ug/L	86
23) Bromochloromethane	7.428	128	52471	25.686	ug/L #	74
25) Chloroform	7.593	83	175877	25.492	ug/L	96

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM080323SMA.M
Quant Title : SFAM01.0
QLast Update : Fri Aug 11 02:51:25 2023
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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
27) 1,2-Dichloroethane	8.322	62	109154	25.244	ug/L		99
29) Cyclohexane	7.875	56	106124	21.678	ug/L	#	83
30) 1,1,1-Trichloroethane	7.793	97	140933	25.576	ug/L		97
31) Carbon tetrachloride	7.987	117	112667	24.983	ug/L		99
33) Benzene	8.252	78	377711	25.911	ug/L		100
34) Trichloroethene	9.028	95	92123	24.267	ug/L		93
35) Methylcyclohexane	9.269	83	116658	18.844	ug/L		90
37) 1,2-Dichloropropane	9.305	63	96892	26.166	ug/L	#	96
38) Bromodichloromethane	9.587	83	134928	26.460	ug/L	#	98
39) cis-1,3-Dichloropropene	10.016	75	132542	22.178	ug/L		96
40) 4-Methyl-2-pentanone	10.163	43	110372	47.306	ug/L	#	90
42) Toluene	10.334	91	395055	24.923	ug/L		96
44) trans-1,3-Dichloropropene	10.551	75	116425	22.290	ug/L		98
45) 1,1,2-Trichloroethane	10.734	97	86444	26.267	ug/L		97
46) Tetrachloroethene	10.810	164	69555	24.311	ug/L		95
48) 2-Hexanone	10.922	43	75389	42.017	ug/L	#	97
49) Dibromochloromethane	11.075	129	98381	26.871	ug/L		99
50) 1,2-Dibromoethane	11.181	107	82662	25.754	ug/L		89
51) Chlorobenzene	11.604	112	244925	23.716	ug/L		98
52) Ethylbenzene	11.687	91	400989	23.740	ug/L		99
53) m,p-Xylene	11.793	106	156093	23.951	ug/L		99
54) o-Xylene	12.122	106	154511	24.650	ug/L		97
55) Styrene	12.134	104	267687	23.619	ug/L		91
57) 1,1,2,2-Tetrachloroethane	12.675	83	100438	24.675	ug/L		98
59) Bromoform	12.298	173	58097	28.225	ug/L	#	99
60) Isopropylbenzene	12.422	105	369900	24.781	ug/L		99
61) 1,2,3-Trichloropropane	12.728	75	67582	27.899	ug/L		97
62) 1,3,5-Trimethylbenzene	12.904	105	273947	24.091	ug/L		98
63) 1,2,4-Trimethylbenzene	13.210	105	278713	24.629	ug/L		99
64) 1,3-Dichlorobenzene	13.457	146	159224	23.373	ug/L		99
65) 1,4-Dichlorobenzene	13.540	146	167197	23.744	ug/L		97
67) 1,2-Dichlorobenzene	13.828	146	154601	24.208	ug/L		99
68) 1,2-Dibromo-3-chloropr...	14.451	75	13550	24.413	ug/L		97
69) 1,3,5-Trichlorobenzene	14.592	180	76636	17.977	ug/L		98
70) 1,2,4-trichlorobenzene	15.104	180	62985	16.796	ug/L		95
71) Naphthalene	15.334	128	167748	19.024	ug/L		99
72) 1,2,3-Trichlorobenzene	15.522	180	54989	16.169	ug/L		97

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

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