Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081922\
Data File : BM036356.D
Acq On : 19 Aug 2022 14:22
Operator : CG/JU
Sample : N3670-04
Misc : MDL-SOIL-4ppm
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 20 02:19:08 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM081622.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Aug 16 15:00:33 2022
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-QT2-2022-04

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 08/22/2022
Supervised By :Sohil Jodhani 08/24/2022

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.793	152	253877	20.000	ng/ul	-0.01
20) Naphthalene-d8	10.593	136	1123729	20.000	ng/ul	-0.01
38) Acenaphthene-d10	14.439	164	650784	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.180	188	1273282	20.000	ng/ul	-0.01
79) Chrysene-d12	21.362	240	1183963	20.000	ng/ul	-0.01
88) Perylene-d12	23.692	264	1216297	20.000	ng/ul	-0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.211	96	30152	4.526	ng/uL	0.00
4) Pyridine-d5	3.634	84	366388	19.944	ng/ul	0.00
7) Phenol-d5	6.975	99	497330	22.950	ng/ul	-0.01
9) Bis-(2-Chloroethyl)eth...	7.134	67	321145	23.543	ng/ul	0.00
11) 2-Chlorophenol-d4	7.328	132	416456	24.459	ng/ul	0.00
15) 4-Methylphenol-d8	8.516	113	393266	24.305	ng/ul	-0.01
21) Nitrobenzene-d5	8.963	128	204915	24.051	ng/ul	-0.01
24) 2-Nitrophenol-d4	9.687	143	210853	24.398	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.228	165	365533	23.672	ng/ul	0.00
31) 4-Chloroaniline-d4	10.745	131	553190	23.108	ng/ul	-0.01
46) Dimethylphthalate-d6	13.857	166	1042766	25.327	ng/ul	-0.01
49) Acenaphthylene-d8	14.133	160	1362562	26.534	ng/ul	0.00
54) 4-Nitrophenol-d4	14.669	143	161002	20.638	ng/ul	-0.01
60) Fluorene-d10	15.433	176	896302	24.092	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.563	200	122362	18.692	ng/ul	0.00
73) Anthracene-d10	17.280	188	1348942	23.826	ng/ul	0.00
81) Pyrene-d10	19.574	212	1496643	24.369	ng/ul	0.00
92) Benzo(a)pyrene-d12	23.545	264	1443450	24.205	ng/ul	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.246	88	8181	1.166	ng/uL#	84
5) Pyridine	3.658	79	81894	4.315	ng/ul	89
6) Benzaldehyde	6.946	77	53957	6.062	ng/ul	89
8) Phenol	7.005	94	99322	4.408	ng/ul	96
10) Bis(2-Chloroethyl)ether	7.228	93	80388	4.461	ng/ul	97
12) 2-Chlorophenol	7.357	128	79443	4.462	ng/ul	97
13) 2-Methylphenol	8.251	108	70930	4.271	ng/ul	95
14) 2,2'-oxybis(1-Chloropr...	8.334	45	111834	4.638	ng/ul#	95
16) Acetophenone	8.628	105	115765	4.448	ng/ul	94
17) N-Nitroso-di-n-propyla...	8.610	70	61835	4.774	ng/ul	96
18) 4-Methylphenol	8.581	108	78709	4.427	ng/ul	100
19) Hexachloroethane	8.869	117	32815	4.405	ng/ul	89
22) Nitrobenzene	9.010	77	89585	4.438	ng/ul	97
23) Isophorone	9.534	82	154531	4.311	ng/ul	98
25) 2-Nitrophenol	9.716	139	42201	4.383	ng/ul	94
26) 2,4-Dimethylphenol	9.781	107	84845	4.406	ng/ul	99
27) Bis(2-Chloroethoxy)met...	10.022	93	103457	4.433	ng/ul	99
29) 2,4-Dichlorophenol	10.251	162	69650	4.409	ng/ul	94
30) Naphthalene	10.645	128	262944	4.458	ng/ul	100
32) 4-Chloroaniline	10.769	127	103596	4.255	ng/ul	97
33) Hexachlorobutadiene	10.922	225	43758	4.409	ng/ul	98
34) Caprolactam	11.575	113	22213m	4.693	ng/ul	
35) 4-Chloro-3-methylphenol	11.910	107	68542	4.291	ng/ul	96
36) 2-Methylnaphthalene	12.263	142	163455	4.417	ng/ul	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.481	142	170419	4.573	ng/ul	94
39) 1,2,4,5-Tetrachloroben...	12.628	216	78562	4.368	ng/ul	99
40) Hexachlorocyclopentadiene	12.598	237	38384	3.597	ng/ul	93
41) 2,4,6-Trichlorophenol	12.881	196	46739	4.129	ng/ul	99
42) 2,4,5-Trichlorophenol	12.957	196	48186	4.013	ng/ul	99
43) 1,1'-Biphenyl	13.275	154	215295	4.399	ng/ul	98
44) 2-Chloronaphthalene	13.316	162	162360	4.323	ng/ul	99
45) 2-Nitroaniline	13.539	65	40110	3.944	ng/ul	93
47) Dimethylphthalate	13.904	163	195336	4.609	ng/ul	99
48) 2,6-Dinitrotoluene	14.033	165	31593	3.951	ng/ul#	80
50) Acenaphthylene	14.163	152	273160	4.511	ng/ul	100
51) 3-Nitroaniline	14.369	138	33600	3.842	ng/ul	99
52) Acenaphthene	14.504	153	175259	4.440	ng/ul	98
53) 2,4-Dinitrophenol	14.586	184	13241	3.039	ng/ul	89
55) 4-Nitrophenol	14.680	109	28785	4.670	ng/ul	92
56) Dibenzofuran	14.839	168	248342	4.535	ng/ul	97
57) 2,4-Dinitrotoluene	14.822	165	46852	4.132	ng/ul	89
58) 2,3,4,6-Tetrachlorophenol	15.075	232	38993	4.278	ng/ul#	95
59) Diethylphthalate	15.269	149	234863	5.622	ng/ul	99
61) Fluorene	15.486	166	198492	4.569	ng/ul	96
62) 4-Chlorophenyl-phenyle...	15.486	204	94287	4.647	ng/ul	94
63) 4-Nitroaniline	15.527	138	34198m	4.192	ng/ul	
66) 4,6-Dinitro-2-methylph...	15.580	198	29040	4.388	ng/ul#	81
67) N-Nitrosodiphenylamine	15.698	169	157004	4.313	ng/ul	98
68) 4-Bromophenyl-phenylether	16.374	248	53552	4.542	ng/ul	97
69) Hexachlorobenzene	16.480	284	62072	4.344	ng/ul	93
70) Atrazine	16.657	200	61624	4.955	ng/ul	96
71) Pentachlorophenol	16.845	266	38569	4.896	ng/ul	95
72) Phenanthrene	17.221	178	304426	4.548	ng/ul	99
74) Anthracene	17.316	178	305884	4.558	ng/ul	99
75) 1,2,3,4-Tetrachloroben...	13.239	216	82192	4.302	ng/uL	99
76) Pentachlorobenzene	14.751	250	85698	4.804	ng/uL	98
77) Carbazole	17.598	167	263978	4.201	ng/ul	100
78) Di-n-butylphthalate	18.157	149	314703	4.579	ng/ul	99
80) Fluoranthene	19.239	202	329926	4.445	ng/ul	99
82) Pyrene	19.604	202	347430	4.485	ng/ul	99
83) Butylbenzylphthalate	20.510	149	139848	4.826	ng/ul	94
84) 3,3'-Dichlorobenzidine	21.292	252	85181	3.494	ng/ul	99
85) Benzo(a)anthracene	21.351	228	318580	4.478	ng/ul	99
86) Bis(2-ethylhexyl)phtha...	21.280	149	207923	5.197	ng/ul	97
87) Chrysene	21.404	228	308487	4.413	ng/ul	99
89) Di-n-octyl phthalate	22.180	149	344185	4.760	ng/ul	100
90) Benzo(b)fluoranthene	22.980	252	323433	4.362	ng/ul	100
91) Benzo(k)fluoranthene	23.027	252	315609	4.473	ng/ul	99
93) Benzo(a)pyrene	23.592	252	324379	4.446	ng/ul	99
94) Indeno(1,2,3-cd)pyrene	26.097	276	365122	4.257	ng/ul	95
95) Dibenzo(a,h)anthracene	26.115	278	313572	4.244	ng/ul	96
96) Benzo(g,h,i)perylene	26.844	276	306054	4.173	ng/ul	99

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

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