Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM011723\
Data File : BM038468.D
Acq On : 17 Jan 2023 17:29
Operator : CG/JU
Sample : N3980-02
Misc : LOQ-SOIL 5ppm
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jan 19 04:50:55 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM011623.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jan 17 03:06:05 2023
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2022

Manual Integrations APPROVED

Reviewed By :Christian Giraldo 01/24/2023
Supervised By :Jagrut Upadhyay 01/27/2023

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.975	152	70616	20.000	ng		0.00
21) Naphthalene-d8	10.787	136	251296	20.000	ng		0.00
39) Acenaphthene-d10	14.610	164	154394	20.000	ng		0.00
64) Phenanthrene-d10	17.351	188	348497	20.000	ng		0.00
76) Chrysene-d12	21.527	240	358011	20.000	ng		0.00
86) Perylene-d12	23.950	264	429290	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.522	112	374634	80.926	ng		-0.01
7) Phenol-d6	7.140	99	461351	77.798	ng		0.00
23) Nitrobenzene-d5	9.151	82	387188	62.779	ng		0.00
42) 2,4,6-Tribromophenol	16.098	330	194622	74.567	ng		0.00
45) 2-Fluorobiphenyl	13.239	172	734987	59.368	ng		0.00
79) Terphenyl-d14	19.968	244	1273690	66.601	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.381	88	8750	4.136	ng		97
3) Pyridine	3.811	79	24706m	4.037	ng		
4) n-Nitrosodimethylamine	3.716	42	17585	4.856	ng	#	86
6) Aniline	7.304	93	33245	4.438	ng		94
8) 2-Chlorophenol	7.534	128	22402	4.888	ng		96
9) Benzaldehyde	7.116	77	20091	5.066	ng		91
10) Phenol	7.163	94	30602	4.952	ng		94
11) bis(2-Chloroethyl)ether	7.399	93	23615	4.715	ng		95
12) 1,3-Dichlorobenzene	7.863	146	24556	5.001	ng		97
13) 1,4-Dichlorobenzene	8.010	146	25442	5.150	ng		94
14) 1,2-Dichlorobenzene	8.328	146	24837	5.142	ng		96
15) Benzyl Alcohol	8.228	79	21250	4.474	ng		95
16) 2,2'-oxybis(1-Chloropr...	8.498	45	36384	5.211	ng		97
17) 2-Methylphenol	8.422	107	17473	4.186	ng		97
18) Hexachloroethane	9.051	117	10137	5.010	ng		96
19) n-Nitroso-di-n-propyla...	8.787	70	19533	4.538	ng		99
20) 3+4-Methylphenols	8.751	107	23079	4.118	ng		94
22) Acetophenone	8.810	105	27629	3.720	ng	#	95
24) Nitrobenzene	9.193	77	32423m	4.976	ng		
25) Isophorone	9.716	82	48298	4.421	ng		98
26) 2-Nitrophenol	9.904	139	9392	4.105	ng		93
27) 2,4-Dimethylphenol	9.957	122	16606	4.263	ng		100
28) bis(2-Chloroethoxy)met...	10.198	93	28866	4.698	ng		94
29) 2,4-Dichlorophenol	10.440	162	18164	4.221	ng		92
30) 1,2,4-Trichlorobenzene	10.645	180	22811	4.583	ng		97
31) Naphthalene	10.840	128	60136	4.515	ng		98
32) Benzoic acid	10.034	122	5587m	6.638	ng		
33) 4-Chloroaniline	10.957	127	23310	3.988	ng		95
34) Hexachlorobutadiene	11.116	225	15978	4.578	ng		95
35) Caprolactam	11.739	113	3160	2.598	ng	#	83
36) 4-Chloro-3-methylphenol	12.075	107	19522	4.160	ng		96
37) 2-Methylnaphthalene	12.445	142	39437	4.050	ng		98
38) 1-Methylnaphthalene	12.663	142	38261	4.185	ng		95
40) 1,2,4,5-Tetrachloroben...	12.810	216	20937	3.623	ng		98
41) Hexachlorocyclopentadiene	12.781	237	14985	4.561	ng		98
43) 2,4,6-Trichlorophenol	13.051	196	15356	4.204	ng		98

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	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44)	2,4,5-Trichlorophenol	13.122	196	16504	3.832	ng		93
46)	1,1'-Biphenyl	13.445	154	43577	3.638	ng		98
47)	2-Chloronaphthalene	13.492	162	44000	4.667	ng		94
48)	2-Nitroaniline	13.704	65	13320	5.648	ng		98
49)	Acenaphthylene	14.333	152	63240	4.255	ng		100
50)	Dimethylphthalate	14.069	163	52833	4.222	ng		99
51)	2,6-Dinitrotoluene	14.198	165	9958	3.912	ng		95
52)	Acenaphthene	14.675	154	39618	4.386	ng		99
53)	3-Nitroaniline	14.528	138	8741	5.597	ng		97
54)	2,4-Dinitrophenol	14.739	184	5235	7.817	ng		86
55)	Dibenzofuran	15.010	168	64899	4.220	ng		97
56)	4-Nitrophenol	14.833	139	6658	6.673	ng		94
57)	2,4-Dinitrotoluene	14.980	165	12918	3.651	ng	#	94
58)	Fluorene	15.657	166	50298	3.914	ng		100
59)	2,3,4,6-Tetrachlorophenol	15.233	232	14703	3.850	ng	#	97
60)	Diethylphthalate	15.422	149	52558	4.095	ng		96
61)	4-Chlorophenyl-phenyle...	15.645	204	28376	4.023	ng		97
62)	4-Nitroaniline	15.686	138	8142	5.497	ng		95
63)	Azobenzene	15.939	77	59903	4.241	ng		98
65)	4,6-Dinitro-2-methylph...	15.739	198	7687	3.251	ng		91
66)	n-Nitrosodiphenylamine	15.863	169	43176	4.222	ng		95
67)	4-Bromophenyl-phenylether	16.539	248	16391	4.066	ng		93
68)	Hexachlorobenzene	16.657	284	19918	4.412	ng		97
69)	Atrazine	16.810	200	12257	3.390	ng		97
70)	Pentachlorophenol	17.004	266	10650	3.232	ng		94
71)	Phenanthrene	17.392	178	82725	4.291	ng		98
72)	Anthracene	17.486	178	81299	4.103	ng		99
73)	Carbazole	17.763	167	70367	4.061	ng		99
74)	Di-n-butylphthalate	18.310	149	83891	4.076	ng		98
75)	Fluoranthene	19.404	202	95849	3.955	ng		97
77)	Benzidine	19.592	184	29327	3.739	ng		99
78)	Pyrene	19.768	202	101073	4.242	ng		98
80)	Butylbenzylphthalate	20.657	149	35880	4.120	ng		90
81)	Benzo(a)anthracene	21.509	228	114340	4.441	ng		98
82)	3,3'-Dichlorobenzidine	21.445	252	30655	3.697	ng		96
83)	Chrysene	21.562	228	107916	4.313	ng		100
84)	Bis(2-ethylhexyl)phtha...	21.427	149	51574	4.120	ng		96
85)	Di-n-octyl phthalate	22.351	149	92610	4.204	ng		97
87)	Indeno(1,2,3-cd)pyrene	26.468	276	130773	4.116	ng		98
88)	Benzo(b)fluoranthene	23.209	252	120548	4.529	ng		97
89)	Benzo(k)fluoranthene	23.256	252	115212m	4.185	ng		
90)	Benzo(a)pyrene	23.839	252	102857	3.938	ng		99
91)	Dibenzo(a,h)anthracene	26.480	278	112568	4.222	ng		97
92)	Benzo(g,h,i)perylene	27.250	276	113694	4.298	ng	#	97

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

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