Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM011723\
Data File : BM038471.D
Acq On : 17 Jan 2023 19:21
Operator : CG/JU
Sample : N3980-02
Misc : LOQ-SOIL 5ppm
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jan 19 04:52:32 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	69112	20.000	ng	0.00
21) Naphthalene-d8	10.787	136	250537	20.000	ng	0.00
39) Acenaphthene-d10	14.610	164	159405	20.000	ng	0.00
64) Phenanthrene-d10	17.351	188	366609	20.000	ng	0.00
76) Chrysene-d12	21.527	240	403166	20.000	ng	0.00
86) Perylene-d12	23.950	264	512933	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.522	112	373091	82.346	ng	-0.01
7) Phenol-d6	7.140	99	460021	79.262	ng	0.00
23) Nitrobenzene-d5	9.151	82	394768	64.202	ng	0.00
42) 2,4,6-Tribromophenol	16.098	330	201018	74.596	ng	0.00
45) 2-Fluorobiphenyl	13.239	172	752282	58.855	ng	0.00
79) Terphenyl-d14	19.968	244	1410708	65.504	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.381	88	8239	3.979	ng	# 91
3) Pyridine	3.810	79	25487m	4.255	ng	
4) n-Nitrosodimethylamine	3.716	42	18479	5.214	ng	# 92
6) Aniline	7.304	93	33734	4.602	ng	98
8) 2-Chlorophenol	7.534	128	22215	4.952	ng	92
9) Benzaldehyde	7.116	77	18915	4.874	ng	92
10) Phenol	7.163	94	29711	4.912	ng	89
11) bis(2-Chloroethyl)ether	7.398	93	24049	4.907	ng	98
12) 1,3-Dichlorobenzene	7.863	146	24548	5.108	ng	94
13) 1,4-Dichlorobenzene	8.010	146	24284	5.023	ng	92
14) 1,2-Dichlorobenzene	8.328	146	24652	5.215	ng	98
15) Benzyl Alcohol	8.222	79	20913	4.499	ng	97
16) 2,2'-oxybis(1-Chloropr...	8.504	45	35481	5.192	ng	98
17) 2-Methylphenol	8.422	107	17834	4.366	ng	93
18) Hexachloroethane	9.057	117	10413	5.258	ng	91
19) n-Nitroso-di-n-propyla...	8.787	70	20138	4.780	ng	97
20) 3+4-Methylphenols	8.751	107	22325	4.070	ng	93
22) Acetophenone	8.810	105	28496	3.848	ng	93
24) Nitrobenzene	9.192	77	33101	5.095	ng	99
25) Isophorone	9.716	82	50661	4.651	ng	98
26) 2-Nitrophenol	9.904	139	9411	4.126	ng	98
27) 2,4-Dimethylphenol	9.957	122	17479	4.500	ng	96
28) bis(2-Chloroethoxy)met...	10.198	93	28680	4.682	ng	93
29) 2,4-Dichlorophenol	10.439	162	17225	4.014	ng	99
30) 1,2,4-Trichlorobenzene	10.651	180	22139	4.462	ng	98
31) Naphthalene	10.839	128	61789	4.654	ng	96
32) Benzoic acid	10.034	122	5534m	6.628	ng	
33) 4-Chloroaniline	10.957	127	23811	4.086	ng	96
34) Hexachlorobutadiene	11.110	225	15596	4.482	ng	98
35) Caprolactam	11.745	113	3165	2.610	ng	96
36) 4-Chloro-3-methylphenol	12.075	107	20283	4.336	ng	86
37) 2-Methylnaphthalene	12.439	142	39219	4.040	ng	98
38) 1-Methylnaphthalene	12.663	142	38530m	4.227	ng	
40) 1,2,4,5-Tetrachloroben...	12.804	216	20499	3.436	ng	96
41) Hexachlorocyclopentadiene	12.780	237	14086	4.152	ng	96
43) 2,4,6-Trichlorophenol	13.051	196	15862	4.206	ng	88

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	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44)	2,4,5-Trichlorophenol	13.122	196	17050	3.834	ng		94
46)	1,1'-Biphenyl	13.445	154	45006	3.639	ng		100
47)	2-Chloronaphthalene	13.492	162	44463	4.568	ng		96
48)	2-Nitroaniline	13.704	65	14276	5.780	ng		94
49)	Acenaphthylene	14.333	152	65010	4.236	ng		99
50)	Dimethylphthalate	14.069	163	55563	4.301	ng		100
51)	2,6-Dinitrotoluene	14.192	165	10278	3.911	ng		89
52)	Acenaphthene	14.674	154	40408	4.333	ng		97
53)	3-Nitroaniline	14.527	138	9715	5.823	ng		96
54)	2,4-Dinitrophenol	14.745	184	5137	7.699	ng		94
55)	Dibenzofuran	15.010	168	68570	4.318	ng		99
56)	4-Nitrophenol	14.833	139	7229	6.812	ng	#	86
57)	2,4-Dinitrotoluene	14.980	165	13264	3.631	ng	#	95
58)	Fluorene	15.657	166	52899	3.987	ng		98
59)	2,3,4,6-Tetrachlorophenol	15.233	232	14794	3.752	ng		97
60)	Diethylphthalate	15.421	149	56186	4.240	ng		99
61)	4-Chlorophenyl-phenyle...	15.645	204	29422	4.040	ng		97
62)	4-Nitroaniline	15.680	138	9309m	5.773	ng		
63)	Azobenzene	15.939	77	63705	4.369	ng		96
65)	4,6-Dinitro-2-methylph...	15.745	198	8024	3.225	ng		97
66)	n-Nitrosodiphenylamine	15.863	169	44282	4.117	ng		97
67)	4-Bromophenyl-phenylether	16.539	248	17102	4.033	ng		94
68)	Hexachlorobenzene	16.657	284	20726	4.365	ng		94
69)	Atrazine	16.810	200	19837	5.215	ng		99
70)	Pentachlorophenol	17.004	266	11246	3.244	ng		94
71)	Phenanthrene	17.398	178	86641	4.272	ng		96
72)	Anthracene	17.486	178	84478	4.053	ng		99
73)	Carbazole	17.763	167	74473	4.086	ng		98
74)	Di-n-butylphthalate	18.310	149	88614	4.093	ng		99
75)	Fluoranthene	19.404	202	103162	4.046	ng		96
77)	Benzidine	19.598	184	31241	3.537	ng		99
78)	Pyrene	19.768	202	108823	4.056	ng		98
80)	Butylbenzylphthalate	20.656	149	41689	4.251	ng		90
81)	Benzo(a)anthracene	21.509	228	128854	4.444	ng		98
82)	3,3'-Dichlorobenzidine	21.445	252	33965	3.638	ng		95
83)	Chrysene	21.562	228	123979	4.400	ng		99
84)	Bis(2-ethylhexyl)phtha...	21.421	149	59872	4.247	ng	#	96
85)	Di-n-octyl phthalate	22.350	149	109368	4.409	ng		96
87)	Indeno(1,2,3-cd)pyrene	26.462	276	158877	4.185	ng		97
88)	Benzo(b)fluoranthene	23.209	252	140242	4.409	ng		99
89)	Benzo(k)fluoranthene	23.256	252	134989m	4.104	ng		
90)	Benzo(a)pyrene	23.839	252	123788	3.966	ng		99
91)	Dibenzo(a,h)anthracene	26.480	278	137952	4.331	ng	#	97
92)	Benzo(g,h,i)perylene	27.244	276	141480	4.477	ng		98

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

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