Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG051923\
Data File : BG057464.D
Acq On : 19 May 2023 12:12
Operator : CG/JU
Sample : 02213-03
Misc : MDL-MDL-SOIL 8ppm
ALS Vial : 5 Sample Multiplier: 1

Quant Time: May 20 07:02:47 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG042723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat May 20 04:19:55 2023
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT2-2023

Manual Integrations APPROVED

Reviewed By :Christian Giraldo 05/22/2023
Supervised By :Jagrut Upadhyay 05/22/2023

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	8.360	152	17891	20.000	ng		0.00
21) Naphthalene-d8	11.197	136	70928	20.000	ng		0.00
39) Acenaphthene-d10	14.968	164	57925	20.000	ng		0.00
64) Phenanthrene-d10	17.712	188	146192	20.000	ng		0.00
76) Chrysene-d12	22.018	240	133935	20.000	ng		0.00
86) Perylene-d12	25.519	264	140852	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.875	112	108738	103.968	ng		0.00
7) Phenol-d6	7.496	99	162635	102.401	ng		0.00
23) Nitrobenzene-d5	9.540	82	121837	72.095	ng		0.00
42) 2,4,6-Tribromophenol	16.455	330	96064	116.881	ng		0.00
45) 2-Fluorobiphenyl	13.594	172	322492	74.982	ng		0.00
79) Terphenyl-d14	20.279	244	605344	73.758	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.672	88	3356	7.760	ng		89
3) Pyridine	4.112	79	7897	5.682	ng		88
4) n-Nitrosodimethylamine	4.013	42	4370	6.691	ng	#	97
6) Aniline	7.672	93	14090	6.993	ng		98
8) 2-Chlorophenol	7.913	128	8064	7.297	ng		89
9) Benzaldehyde	7.484	77	9568	5.305	ng		99
10) Phenol	7.525	94	11262	7.274	ng		92
11) bis(2-Chloroethyl)ether	7.760	93	8804	7.541	ng		99
12) 1,3-Dichlorobenzene	8.242	146	10279	8.427	ng		91
13) 1,4-Dichlorobenzene	8.395	146	9411	7.681	ng		96
14) 1,2-Dichlorobenzene	8.718	146	9280	7.846	ng		95
15) Benzyl Alcohol	8.595	79	8222	6.214	ng		95
16) 2,2'-oxybis(1-Chloropr...	8.882	45	9886	6.718	ng		98
17) 2-Methylphenol	8.800	107	7515	6.734	ng		93
18) Hexachloroethane	9.458	117	3653	8.262	ng		84
19) n-Nitroso-di-n-propyla...	9.159	70	8117	6.703	ng		97
20) 3+4-Methylphenols	9.129	107	10702	7.003	ng		88
22) Acetophenone	9.188	105	14948	7.363	ng	#	94
24) Nitrobenzene	9.581	77	12295	7.208	ng		98
25) Isophorone	10.093	82	22002	6.714	ng		98
26) 2-Nitrophenol	10.298	139	5189	7.948	ng		86
27) 2,4-Dimethylphenol	10.339	122	8945	7.824	ng		92
28) bis(2-Chloroethoxy)met...	10.568	93	12234	7.452	ng		98
29) 2,4-Dichlorophenol	10.844	162	9870	8.140	ng		93
30) 1,2,4-Trichlorobenzene	11.050	180	11054	7.904	ng		99
31) Naphthalene	11.250	128	29364	7.744	ng		98
32) Benzoic acid	10.557	122	560m	5.483	ng		
33) 4-Chloroaniline	11.350	127	12605	7.402	ng		96
34) Hexachlorobutadiene	11.514	225	8038	7.746	ng		97
35) Caprolactam	12.096	113	3178	7.673	ng		88
36) 4-Chloro-3-methylphenol	12.448	107	10365	7.522	ng	#	82
37) 2-Methylnaphthalene	12.824	142	23184	7.776	ng		98
38) 1-Methylnaphthalene	13.041	142	21842	7.773	ng		97
40) 1,2,4,5-Tetrachloroben...	13.188	216	16403	7.977	ng	#	97
41) Hexachlorocyclopentadiene	13.159	237	2257	8.399	ng		92
43) 2,4,6-Trichlorophenol	13.423	196	9417	7.517	ng		96

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	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44)	2,4,5-Trichlorophenol	13.506	196	10286	6.980	ng		97
46)	1,1'-Biphenyl	13.805	154	33644	7.827	ng		95
47)	2-Chloronaphthalene	13.864	162	25102	7.853	ng		96
48)	2-Nitroaniline	14.058	65	7585	6.979	ng		96
49)	Acenaphthylene	14.698	152	39150	7.539	ng		97
50)	Dimethylphthalate	14.404	163	34660	7.281	ng		96
51)	2,6-Dinitrotoluene	14.534	165	7040	7.244	ng		95
52)	Acenaphthene	15.033	154	24900	7.674	ng		98
53)	3-Nitroaniline	14.874	138	6784	6.968	ng		85
54)	2,4-Dinitrophenol	15.098	184	1161	6.727	ng	#	89
55)	Dibenzofuran	15.368	168	42157	7.732	ng		97
56)	4-Nitrophenol	15.186	139	3712	5.732	ng	#	77
57)	2,4-Dinitrotoluene	15.327	165	10509	7.566	ng	#	96
58)	Fluorene	16.014	166	34901	7.772	ng		98
59)	2,3,4,6-Tetrachlorophenol	15.597	232	10070	7.537	ng	#	94
60)	Diethylphthalate	15.750	149	34992	7.239	ng		99
61)	4-Chlorophenyl-phenyle...	15.990	204	20371	7.530	ng		100
62)	4-Nitroaniline	16.026	138	6588	6.707	ng		88
63)	Azobenzene	16.284	77	31955	6.851	ng		96
65)	4,6-Dinitro-2-methylph...	16.096	198	5057	5.794	ng		94
66)	n-Nitrosodiphenylamine	16.202	169	30397	7.656	ng		97
67)	4-Bromophenyl-phenylether	16.883	248	13359	7.486	ng		99
68)	Hexachlorobenzene	17.018	284	14965	8.629	ng		92
69)	Atrazine	17.136	200	13352	8.815	ng		97
70)	Pentachlorophenol	17.371	266	5718m	5.721	ng		
71)	Phenanthrene	17.753	178	58456	7.803	ng		99
72)	Anthracene	17.841	178	58714	7.639	ng		96
73)	Carbazole	18.111	167	50264	7.768	ng		98
74)	Di-n-butylphthalate	18.628	149	54776	7.357	ng		99
75)	Fluoranthene	19.744	202	69604	7.471	ng		99
77)	Benzidine	19.909	184	31715	10.592	ng		98
78)	Pyrene	20.103	202	71066	7.302	ng		97
80)	Butylbenzylphthalate	20.954	149	22660	7.338	ng		93
81)	Benzo(a)anthracene	21.994	228	74072	7.762	ng		99
82)	3,3'-Dichlorobenzidine	21.894	252	27336	8.944	ng		90
83)	Chrysene	22.070	228	68616	7.642	ng		97
84)	Bis(2-ethylhexyl)phtha...	21.841	149	33462	7.324	ng	#	98
85)	Di-n-octyl phthalate	23.128	149	55734	7.317	ng		97
87)	Indeno(1,2,3-cd)pyrene	29.549	276	78535	7.650	ng	#	95
88)	Benzo(b)fluoranthene	24.391	252	71191	7.732	ng		99
89)	Benzo(k)fluoranthene	24.461	252	72822	7.783	ng		98
90)	Benzo(a)pyrene	25.342	252	63265	7.033	ng		98
91)	Dibenzo(a,h)anthracene	29.596	278	65571	7.670	ng	#	96
92)	Benzo(g,h,i)perylene	30.817	276	63294	7.582	ng		99

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

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