Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG071922\
Data File : BG054318.D
Acq On : 19 Jul 2022 14:56
Operator : CG/JU
Sample : N3214-03
Misc : MDL-MDL-SOIL 4ppm
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jul 19 15:31:32 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG071522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 19 14:41:07 2022
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT2-2022

Manual Integrations APPROVED

Reviewed By :Christian Giraldo 07/20/2022
Supervised By :Jagrut Upadhyay 07/20/2022

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.994	152	15050	20.000	ng		0.00
21) Naphthalene-d8	10.802	136	56161	20.000	ng	#	0.00
39) Acenaphthene-d10	14.627	164	47227	20.000	ng		0.00
64) Phenanthrene-d10	17.377	188	125710	20.000	ng	#	0.00
76) Chrysene-d12	21.637	240	167565	20.000	ng	#	0.00
86) Perylene-d12	24.839	264	177455	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.556	112	90167	125.089	ng		-0.01
7) Phenol-d6	7.160	99	124542	126.092	ng		-0.01
23) Nitrobenzene-d5	9.157	82	95027	92.144	ng		0.00
42) 2,4,6-Tribromophenol	16.120	330	120016	121.034	ng		0.00
45) 2-Fluorobiphenyl	13.252	172	301117	89.945	ng		0.00
79) Terphenyl-d14	19.986	244	729402	86.354	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.423	88	1307m	4.558	ng		
3) Pyridine	3.840	79	2326	3.197	ng	#	79
4) n-Nitrosodimethylamine	3.758	42	969	2.382	ng	#	55
6) Aniline	7.318	93	5034	4.415	ng	#	91
8) 2-Chlorophenol	7.559	128	3386	4.088	ng		90
9) Benzaldehyde	7.130	77	3006	5.418	ng	#	71
10) Phenol	7.189	94	3577	3.645	ng		91
11) bis(2-Chloroethyl)ether	7.406	93	2682	3.748	ng		92
12) 1,3-Dichlorobenzene	7.882	146	4029	3.992	ng		96
13) 1,4-Dichlorobenzene	8.029	146	4502	4.319	ng		87
14) 1,2-Dichlorobenzene	8.352	146	3979	4.048	ng		88
15) Benzyl Alcohol	8.235	79	2813	3.463	ng	#	84
16) 2,2'-oxybis(1-Chloropr...	8.523	45	3398	3.771	ng		79
17) 2-Methylphenol	8.440	107	2443	3.454	ng		93
18) Hexachloroethane	9.081	117	1321	3.828	ng	#	59
19) n-Nitroso-di-n-propyla...	8.799	70	2444	3.705	ng	#	88
20) 3+4-Methylphenols	8.770	107	3696	3.709	ng		96
22) Acetophenone	8.817	105	5049	3.738	ng	#	90
24) Nitrobenzene	9.198	77	4123	4.091	ng	#	88
25) Isophorone	9.721	82	7335	4.090	ng	#	94
26) 2-Nitrophenol	9.915	139	1515	2.982	ng	#	74
27) 2,4-Dimethylphenol	9.974	122	3001	4.276	ng		96
28) bis(2-Chloroethoxy)met...	10.203	93	3744	4.139	ng		92
29) 2,4-Dichlorophenol	10.456	162	3687	3.481	ng	#	84
30) 1,2,4-Trichlorobenzene	10.667	180	5042	3.843	ng	#	84
31) Naphthalene	10.849	128	11025	3.911	ng		98
33) 4-Chloroaniline	10.961	127	4071	3.551	ng	#	90
34) Hexachlorobutadiene	11.137	225	4627	3.991	ng		92
35) Caprolactam	11.707	113	806	3.022	ng	#	76
36) 4-Chloro-3-methylphenol	12.095	107	3398	3.526	ng		94
37) 2-Methylnaphthalene	12.459	142	8450	3.903	ng		98
38) 1-Methylnaphthalene	12.677	142	7877	3.734	ng		96
40) 1,2,4,5-Tetrachloroben...	12.835	216	8481	4.099	ng	#	91
43) 2,4,6-Trichlorophenol	13.070	196	3563m	3.163	ng		
44) 2,4,5-Trichlorophenol	13.153	196	3996	3.139	ng	#	81
46) 1,1'-Biphenyl	13.464	154	12772	3.953	ng		97

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	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
47)	2-Chloronaphthalene	13.505	162	10227	3.782	ng		97
48)	2-Nitroaniline	13.705	65	2542	3.602	ng		88
49)	Acenaphthylene	14.351	152	15864	3.948	ng		97
50)	Dimethylphthalate	14.075	163	13751	3.728	ng	#	98
51)	2,6-Dinitrotoluene	14.198	165	2597	3.210	ng	#	71
52)	Acenaphthene	14.698	154	9091	3.737	ng		94
53)	3-Nitroaniline	14.533	138	2411	3.563	ng	#	78
55)	Dibenzofuran	15.027	168	16426	3.794	ng		97
56)	4-Nitrophenol	14.862	139	973	2.155	ng		92
57)	2,4-Dinitrotoluene	14.998	165	3940	3.397	ng	#	75
58)	Fluorene	15.673	166	13568	3.812	ng		87
59)	2,3,4,6-Tetrachlorophenol	15.262	232	3538	2.855	ng	#	86
60)	Diethylphthalate	15.438	149	13183	3.725	ng		97
61)	4-Chlorophenyl-phenyle...	15.667	204	9268	3.967	ng	#	83
62)	4-Nitroaniline	15.691	138	2517	3.540	ng	#	86
63)	Azobenzene	15.961	77	9308	3.640	ng		85
66)	n-Nitrosodiphenylamine	15.879	169	12042	3.837	ng		96
67)	4-Bromophenyl-phenylether	16.560	248	6829	3.868	ng	#	89
68)	Hexachlorobenzene	16.684	284	8116	4.020	ng		94
69)	Atrazine	16.819	200	5833	4.176	ng		93
71)	Phenanthrene	17.418	178	24768	3.956	ng		99
72)	Anthracene	17.506	178	24734	4.026	ng		98
73)	Carbazole	17.777	167	20058	3.966	ng		96
74)	Di-n-butylphthalate	18.329	149	22259	3.729	ng	#	94
75)	Fluoranthene	19.428	202	34224	4.010	ng		97
77)	Benzidine	19.604	184	16313	5.375	ng	#	96
78)	Pyrene	19.792	202	35373	3.679	ng		98
80)	Butylbenzylphthalate	20.673	149	10112	3.375	ng	#	76
81)	Benzo(a)anthracene	21.619	228	40425	3.800	ng		99
82)	3,3'-Dichlorobenzidine	21.531	252	15250	4.610	ng	#	95
83)	Chrysene	21.684	228	37721	3.754	ng		98
84)	Bis(2-ethylhexyl)phtha...	21.525	149	14630	3.451	ng	#	91
85)	Di-n-octyl phthalate	22.724	149	24754	3.422	ng	#	95
87)	Indeno(1,2,3-cd)pyrene	28.493	276	48888	3.621	ng	#	99
88)	Benzo(b)fluoranthene	23.817	252	40056	3.817	ng	#	96
89)	Benzo(k)fluoranthene	23.893	252	41148	3.940	ng	#	92
90)	Benzo(a)pyrene	24.686	252	38968	4.348	ng		94
91)	Dibenzo(a,h)anthracene	28.552	278	42902	3.865	ng		94
92)	Benzo(g,h,i)perylene	29.639	276	40732	3.718	ng	#	87

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

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