Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG033121\
Data File : BG048528.D
Acq On : 31 Mar 2021 14:32
Operator : CG/JU
Sample : M1458-02
Misc : LOQ-SOIL-5PPM
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT1-2021

Manual Integrations APPROVED
mohammad
4/1/2021 10:50:35 AM

Quant Time: Mar 31 15:07:35 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG033021.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Mar 31 11:41:32 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	8.097	152	18433	20.00	ng		0.00
21) Naphthalene-d8	10.929	136	70287	20.00	ng		# 0.00
39) Acenaphthene-d10	14.754	164	51205	20.00	ng		0.00
64) Phenanthrene-d10	17.504	188	121748	20.00	ng		# 0.00
76) Chrysene-d12	21.799	240	125293	20.00	ng		# 0.00
86) Perylene-d12	25.142	264	126092	20.00	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.636	112	99358	95.16	ng		0.00
7) Phenol-d6	7.245	99	138661	91.57	ng		0.00
23) Nitrobenzene-d5	9.273	82	119021	81.98	ng		0.00
42) 2,4,6-Tribromophenol	16.241	330	66005	98.06	ng		0.00
45) 2-Fluorobiphenyl	13.374	172	293477	85.19	ng		0.00
79) Terphenyl-d14	20.113	244	576921	84.21	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.503	88	2474	5.89	ng	#	84
3) Pyridine	3.943	79	5284	5.02	ng	#	71
4) n-Nitrosodimethylamine	3.832	42	3605	5.24	ng	#	91
6) Aniline	7.416	93	10811	6.22	ng	#	92
8) 2-Chlorophenol	7.663	128	6261	5.31	ng		91
9) Benzaldehyde	7.228	77	6065	6.27	ng		88
10) Phenol	7.275	94	7851	5.18	ng		96
11) bis(2-Chloroethyl)ether	7.510	93	6141	5.84	ng		82
12) 1,3-Dichlorobenzene	7.986	146	7458	5.61	ng		98
13) 1,4-Dichlorobenzene	8.139	146	7920m	5.91	ng		
14) 1,2-Dichlorobenzene	8.456	146	7365m	5.74	ng		
15) Benzyl Alcohol	8.332	79	6070	4.89	ng		90
16) 2,2'-oxybis(1-Chloropr...	8.626	45	5515	5.44	ng		86
17) 2-Methylphenol	8.538	107	6006	6.12	ng	#	71
18) Hexachloroethane	9.196	117	2696	5.41	ng	#	62
19) n-Nitroso-di-n-propyla...	8.902	70	6049	5.80	ng	#	77
20) 3+4-Methylphenols	8.873	107	7362	5.41	ng		86
22) Acetophenone	8.926	105	11384	6.28	ng	#	94
24) Nitrobenzene	9.314	77	9055	6.36	ng		94
25) Isophorone	9.837	82	14669	5.47	ng		97
26) 2-Nitrophenol	10.025	139	3113	4.76	ng		97
27) 2,4-Dimethylphenol	10.083	122	6456	6.27	ng	#	83
28) bis(2-Chloroethoxy)met...	10.318	93	8210	6.68	ng	#	98
29) 2,4-Dichlorophenol	10.565	162	6309	5.41	ng	#	83
30) 1,2,4-Trichlorobenzene	10.782	180	7496	5.59	ng	#	72
31) Naphthalene	10.982	128	20758	5.74	ng		97
32) Benzoic acid	10.142	122	1678	2.12	ng	#	87
33) 4-Chloroaniline	11.076	127	9265	6.08	ng	#	87
34) Hexachlorobutadiene	11.264	225	5845	5.97	ng		88
35) Caprolactam	11.822	113	2075	4.88	ng	#	74
36) 4-Chloro-3-methylphenol	12.193	107	6690	5.11	ng		86
37) 2-Methylnaphthalene	12.580	142	16808	5.84	ng		90
38) 1-Methylnaphthalene	12.804	142	15145m	5.52	ng		
40) 1,2,4,5-Tetrachloroben...	12.951	216	9378	5.91	ng		97
41) Hexachlorocyclopentadiene	12.933	237	6007	6.53	ng		87
43) 2,4,6-Trichlorophenol	13.180	196	5786	5.30	ng	#	87

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	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44)	2,4,5-Trichlorophenol	13.256	196	6220m	5.33	ng		
46)	1,1'-Biphenyl	13.585	154	22642	6.05	ng		100
47)	2-Chloronaphthalene	13.626	162	16160	5.67	ng		99
48)	2-Nitroaniline	13.820	65	4584	5.06	ng		84
49)	Acenaphthylene	14.472	152	25623	5.73	ng		98
50)	Dimethylphthalate	14.190	163	21134	5.56	ng	#	94
51)	2,6-Dinitrotoluene	14.314	165	4456	5.12	ng	#	86
52)	Acenaphthene	14.819	154	16625	5.14	ng		99
53)	3-Nitroaniline	14.643	138	4886	5.73	ng		80
54)	2,4-Dinitrophenol	14.854	184	1589	3.25	ng	#	88
55)	Dibenzofuran	15.148	168	27320	5.79	ng	#	93
56)	4-Nitrophenol	14.948	139	3058	4.44	ng	#	78
57)	2,4-Dinitrotoluene	15.101	165	6568	5.34	ng	#	90
58)	Fluorene	15.800	166	22693	5.74	ng	#	94
59)	2,3,4,6-Tetrachlorophenol	15.371	232	5501	4.83	ng		94
60)	Diethylphthalate	15.559	149	23589	6.04	ng		97
61)	4-Chlorophenyl-phenyle...	15.788	204	12201	5.74	ng		92
62)	4-Nitroaniline	15.806	138	5004	5.61	ng	#	78
63)	Azobenzene	16.082	77	19763	5.14	ng		84
65)	4,6-Dinitro-2-methylph...	15.865	198	2916m	3.99	ng		
66)	n-Nitrosodiphenylamine	16.000	169	19432	5.61	ng		97
67)	4-Bromophenyl-phenylether	16.687	248	7531	5.58	ng		96
68)	Hexachlorobenzene	16.805	284	8660	6.15	ng		92
69)	Atrazine	16.946	200	7610	5.39	ng		83
70)	Pentachlorophenol	17.146	266	3121	3.56	ng		94
71)	Phenanthrene	17.545	178	36844	5.83	ng		97
72)	Anthracene	17.639	178	36546	5.80	ng		98
73)	Carbazole	17.904	167	32449	5.43	ng		99
74)	Di-n-butylphthalate	18.456	149	38393	5.75	ng	#	92
75)	Fluoranthene	19.555	202	45857	5.85	ng		97
77)	Benzidine	19.731	184	21853	5.15	ng	#	88
78)	Pyrene	19.919	202	48437	5.62	ng		98
80)	Butylbenzylphthalate	20.800	149	16673	5.21	ng		92
81)	Benzo(a)anthracene	21.775	228	46827	5.59	ng		99
82)	3,3'-Dichlorobenzidine	21.693	252	18835	6.55	ng	#	93
83)	Chrysene	21.846	228	44908	5.62	ng		97
84)	Bis(2-ethylhexyl)phtha...	21.676	149	23042	5.17	ng		99
85)	Di-n-octyl phthalate	22.933	149	41223	5.31	ng	#	100
87)	Indeno(1,2,3-cd)pyrene	28.949	276	51074	5.78	ng	#	81
88)	Benzo(b)fluoranthene	24.073	252	42890	5.24	ng		95
89)	Benzo(k)fluoranthene	24.137	252	46203m	5.87	ng		
90)	Benzo(a)pyrene	24.978	252	41097	5.44	ng		93
91)	Dibenzo(a,h)anthracene	29.032	278	43540	5.77	ng		94
92)	Benzo(g,h,i)perylene	30.154	276	42190	5.71	ng	#	92

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

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