Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM072121\
Data File : BM031040.D
Acq On : 21 Jul 2021 11:57
Operator : CG/JU
Sample : M2940-02
Misc : LOQ-SOIL-10PPM
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2021

Manual Integrations APPROVED
mohammad
7/22/2021 1:29:51 PM

Quant Time: Jul 21 12:27:06 2021
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM072021.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jul 21 11:41:39 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.634	152	53734	20.00	ng		0.00
21) Naphthalene-d8	10.404	136	240348	20.00	ng		# 0.00
39) Acenaphthene-d10	14.263	164	179934	20.00	ng		-0.01
64) Phenanthrene-d10	17.015	188	422606	20.00	ng		0.00
76) Chrysene-d12	21.197	240	521702	20.00	ng		-0.01
86) Perylene-d12	23.380	264	573516	20.00	ng		-0.01
System Monitoring Compounds							
5) 2-Fluorophenol	5.251	112	320562	107.13	ng		0.00
7) Phenol-d6	6.816	99	453964	104.65	ng		0.00
23) Nitrobenzene-d5	8.781	82	332991	69.56	ng		-0.01
42) 2,4,6-Tribromophenol	15.762	330	239213	101.81	ng		0.00
45) 2-Fluorobiphenyl	12.886	172	781310	64.79	ng		0.00
79) Terphenyl-d14	19.650	244	1739611	65.97	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.240	88	14312	11.90	ng		97
3) Pyridine	3.628	79	31937	9.39	ng	#	87
4) n-Nitrosodimethylamine	3.546	42	19647	10.16	ng	#	93
6) Aniline	6.975	93	52536	11.28	ng		95
8) 2-Chlorophenol	7.204	128	34909	9.91	ng		94
9) Benzaldehyde	6.792	77	31805	12.30	ng		96
10) Phenol	6.839	94	40368	9.61	ng		84
11) bis(2-Chloroethyl)ether	7.075	93	30602	9.84	ng		99
12) 1,3-Dichlorobenzene	7.528	146	39580	10.33	ng		95
13) 1,4-Dichlorobenzene	7.669	146	38349	9.84	ng		97
14) 1,2-Dichlorobenzene	7.981	146	38304	10.06	ng		96
15) Benzyl Alcohol	7.875	79	34669	9.49	ng		95
16) 2,2'-oxybis(1-Chloropr...	8.169	45	40614	10.43	ng		95
17) 2-Methylphenol	8.075	107	28537	9.71	ng	#	87
18) Hexachloroethane	8.698	117	15072	10.02	ng		88
19) n-Nitroso-di-n-propyla...	8.439	70	29011	9.47	ng	#	94
20) 3+4-Methylphenols	8.398	107	39746	9.56	ng		96
22) Acetophenone	8.451	105	60335	10.14	ng		94
24) Nitrobenzene	8.822	77	47831	9.90	ng		97
25) Isophorone	9.345	82	76406	8.93	ng		99
26) 2-Nitrophenol	9.528	139	17445	8.57	ng	#	84
27) 2,4-Dimethylphenol	9.592	122	33975	10.59	ng		99
28) bis(2-Chloroethoxy)met...	9.833	93	43527	10.09	ng		97
29) 2,4-Dichlorophenol	10.051	162	33900	8.94	ng		97
30) 1,2,4-Trichlorobenzene	10.269	180	39970	9.60	ng		95
31) Naphthalene	10.451	128	118100	9.55	ng		98
32) Benzoic acid	9.669	122	19779	7.24	ng	#	83
33) 4-Chloroaniline	10.569	127	52413	9.82	ng		98
34) Hexachlorobutadiene	10.733	225	25449	9.52	ng		91
35) Caprolactam	11.333	113	11561	9.07	ng		93
36) 4-Chloro-3-methylphenol	11.692	107	39410	9.10	ng		92
37) 2-Methylnaphthalene	12.069	142	90724	9.52	ng		96
38) 1-Methylnaphthalene	12.292	142	82777	9.12	ng	#	99
40) 1,2,4,5-Tetrachloroben...	12.439	216	48083	9.59	ng	#	97
41) Hexachlorocyclopentadiene	12.416	237	30424	10.91	ng		97
43) 2,4,6-Trichlorophenol	12.686	196	29985	8.51	ng		98

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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	12.751	196	33196	8.51	ng	#	92
46) 1,1'-Biphenyl	13.098	154	122309	9.59	ng		99
47) 2-Chloronaphthalene	13.133	162	92861	9.29	ng	#	93
48) 2-Nitroaniline	13.345	65	27996	8.79	ng		94
49) Acenaphthylene	13.986	152	146083	9.15	ng		98
50) Dimethylphthalate	13.733	163	124179	9.20	ng		100
51) 2,6-Dinitrotoluene	13.845	165	26045	8.62	ng	#	80
52) Acenaphthene	14.327	154	90689	9.02	ng		96
53) 3-Nitroaniline	14.174	138	26924	8.82	ng		98
54) 2,4-Dinitrophenol	14.386	184	13309	7.46	ng		93
55) Dibenzofuran	14.668	168	148490	9.01	ng		92
56) 4-Nitrophenol	14.486	139	23516	8.71	ng		88
57) 2,4-Dinitrotoluene	14.639	165	35036	8.32	ng	#	82
58) Fluorene	15.315	166	122984	8.84	ng		98
59) 2,3,4,6-Tetrachlorophenol	14.892	232	30715m	8.45	ng		
60) Diethylphthalate	15.110	149	134506	9.30	ng		97
61) 4-Chlorophenyl-phenyle...	15.321	204	62635	9.10	ng	#	88
62) 4-Nitroaniline	15.339	138	29624	8.79	ng		88
63) Azobenzene	15.615	77	130466	9.06	ng		95
65) 4,6-Dinitro-2-methylph...	15.398	198	19014	7.17	ng		83
66) n-Nitrosodiphenylamine	15.533	169	108637	8.75	ng		99
67) 4-Bromophenyl-phenylether	16.215	248	38688	8.85	ng	#	91
68) Hexachlorobenzene	16.315	284	43729	8.88	ng		92
69) Atrazine	16.492	200	43737	9.59	ng		99
70) Pentachlorophenol	16.662	266	27318	8.48	ng		97
71) Phenanthrene	17.056	178	210462	8.99	ng		99
72) Anthracene	17.145	178	213456	9.25	ng		99
73) Carbazole	17.421	167	202675	8.87	ng		99
74) Di-n-butylphthalate	17.998	149	236709	8.82	ng	#	98
75) Fluoranthene	19.074	202	262495	8.96	ng		99
77) Benzidine	19.268	184	148983	11.57	ng		98
78) Pyrene	19.439	202	280554	8.61	ng		97
80) Butylbenzylphthalate	20.356	149	116074	8.34	ng		99
81) Benzo(a)anthracene	21.186	228	307680	8.90	ng		98
82) 3,3'-Dichlorobenzidine	21.127	252	112335	11.85	ng		97
83) Chrysene	21.239	228	303958	9.05	ng		97
84) Bis(2-ethylhexyl)phtha...	21.139	149	188746	8.76	ng		95
85) Di-n-octyl phthalate	22.003	149	328293	8.90	ng		97
87) Indeno(1,2,3-cd)pyrene	25.538	276	374438	9.14	ng		99
88) Benzo(b)fluoranthene	22.727	252	341732	8.99	ng		98
89) Benzo(k)fluoranthene	22.774	252	323647	9.11	ng		98
90) Benzo(a)pyrene	23.285	252	324771	9.49	ng		99
91) Dibenzo(a,h)anthracene	25.556	278	316911	8.93	ng		99
92) Benzo(g,h,i)perylene	26.197	276	310247	9.18	ng		98

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

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