Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071321\
Data File : BF124547.D
Acq On : 13 Jul 2021 15:18
Operator : JU/CG
Sample : M2940-01
Misc : LOD-MDL-SOIL 8ppm
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : LOD-MDL-SOIL-01-QT3-2021

Quant Time: Jul 13 15:43:34 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF070721.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 13 14:57:42 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.928	152	8896	20.000	ng		0.00
21) Naphthalene-d8	8.210	136	34691	20.000	ng		0.00
39) Acenaphthene-d10	9.969	164	19467	20.000	ng		0.00
64) Phenanthrene-d10	11.457	188	35310	20.000	ng		0.00
76) Chrysene-d12	14.098	240	24638	20.000	ng	#	0.00
86) Perylene-d12	15.592	264	18776	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.551	112	54330	105.812	ng		0.01
7) Phenol-d6	6.551	99	66324	106.183	ng		0.00
23) Nitrobenzene-d5	7.492	82	39171	71.279	ng		0.00
42) 2,4,6-Tribromophenol	10.757	330	15757	104.014	ng		0.00
45) 2-Fluorobiphenyl	9.286	172	93522	70.056	ng		0.00
79) Terphenyl-d14	13.045	244	99426	67.764	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.822	88	1018	6.061	ng	#	100
3) Pyridine	3.598	79	2212	5.135	ng		94
4) n-Nitrosodimethylamine	3.504	42	2053	5.864	ng		98
6) Aniline	6.592	93	4931	7.492	ng		99
8) 2-Chlorophenol	6.710	128	3793	6.589	ng		93
9) Benzaldehyde	6.475	77	2748	7.499	ng		94
10) Phenol	6.557	94	3831	6.282	ng		75
11) bis(2-Chloroethyl)ether	6.663	93	3285	6.948	ng		96
12) 1,3-Dichlorobenzene	6.869	146	4509	7.157	ng		90
13) 1,4-Dichlorobenzene	6.945	146	4311	6.699	ng		97
14) 1,2-Dichlorobenzene	7.098	146	4285	7.007	ng		94
15) Benzyl Alcohol	7.057	79	2922	6.761	ng		95
16) 2,2'-oxybis(1-Chloropr...	7.198	45	5686	6.978	ng		99
17) 2-Methylphenol	7.163	107	2845	6.752	ng		95
18) Hexachloroethane	7.439	117	1516	6.256	ng	#	83
19) n-Nitroso-di-n-propyla...	7.328	70	2434	6.931	ng	#	92
20) 3+4-Methylphenols	7.316	107	3662	6.601	ng	#	89
22) Acetophenone	7.328	105	5518	7.009	ng	#	88
24) Nitrobenzene	7.504	77	3616	6.636	ng		96
25) Isophorone	7.739	82	6094	6.041	ng	#	94
26) 2-Nitrophenol	7.822	139	1752	5.960	ng	#	88
27) 2,4-Dimethylphenol	7.851	122	3667	7.529	ng		92
28) bis(2-Chloroethoxy)met...	7.951	93	4327	7.353	ng		98
29) 2,4-Dichlorophenol	8.051	162	3171	6.312	ng		95
30) 1,2,4-Trichlorobenzene	8.145	180	3587	6.452	ng		93
31) Naphthalene	8.227	128	11840	6.599	ng		97
32) Benzoic acid	7.904	122	1113	3.278	ng		91
33) 4-Chloroaniline	8.269	127	4707	6.942	ng		93
34) Hexachlorobutadiene	8.345	225	2036	6.488	ng		93
35) Caprolactam	8.610	113	724	5.697	ng		91
36) 4-Chloro-3-methylphenol	8.739	107	3174	6.389	ng		97
37) 2-Methylnaphthalene	8.922	142	8186	6.761	ng		95
38) 1-Methylnaphthalene	9.022	142	7401	6.509	ng		93
40) 1,2,4,5-Tetrachloroben...	9.086	216	3478	6.699	ng	#	96
41) Hexachlorocyclopentadiene	9.075	237	2610	8.047	ng		95
43) 2,4,6-Trichlorophenol	9.192	196	2148	5.730	ng		98

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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	9.227	196	2221	5.745	ng		95
46) 1,1'-Biphenyl	9.386	154	10405	7.038	ng		97
47) 2-Chloronaphthalene	9.410	162	7594	6.551	ng		98
48) 2-Nitroaniline	9.498	65	1829	6.561	ng		97
49) Acenaphthylene	9.827	152	11711	6.474	ng		99
50) Dimethylphthalate	9.680	163	8797	6.495	ng	#	95
51) 2,6-Dinitrotoluene	9.739	165	1784	6.682	ng		92
52) Acenaphthene	9.998	154	7461	6.450	ng		95
53) 3-Nitroaniline	9.904	138	2044	6.860	ng	#	95
54) 2,4-Dinitrophenol	10.010	184	585	4.199	ng	#	86
55) Dibenzofuran	10.169	168	10940	6.433	ng		98
56) 4-Nitrophenol	10.045	139	1370	5.525	ng	#	76
57) 2,4-Dinitrotoluene	10.139	165	2592	7.091	ng	#	83
58) Fluorene	10.510	166	8715	6.625	ng		97
59) 2,3,4,6-Tetrachlorophenol	10.280	232	1762	5.902	ng	#	88
60) Diethylphthalate	10.380	149	9572	6.759	ng		97
61) 4-Chlorophenyl-phenyle...	10.504	204	3896	6.525	ng		94
62) 4-Nitroaniline	10.516	138	2063	6.870	ng	#	79
63) Azobenzene	10.669	77	8106	6.548	ng		94
65) 4,6-Dinitro-2-methylph...	10.545	198	883	4.378	ng		93
66) n-Nitrosodiphenylamine	10.621	169	7258	6.313	ng		95
67) 4-Bromophenyl-phenylether	10.998	248	2432	6.661	ng		94
68) Hexachlorobenzene	11.057	284	2305	6.162	ng	#	89
69) Atrazine	11.145	200	2479	7.040	ng		95
70) Pentachlorophenol	11.251	266	1415	5.980	ng		99
71) Phenanthrene	11.474	178	12157	6.311	ng		96
72) Anthracene	11.527	178	12708	6.576	ng		98
73) Carbazole	11.680	167	11721	6.564	ng		96
74) Di-n-butylphthalate	12.010	149	14893	6.191	ng		97
75) Fluoranthene	12.663	202	12098	6.225	ng		95
77) Benzidine	12.786	184	7838	8.510	ng		99
78) Pyrene	12.892	202	12571	6.141	ng		98
80) Butylbenzylphthalate	13.509	149	5641	5.699	ng		91
81) Benzo(a)anthracene	14.080	228	10315	6.313	ng		98
82) 3,3'-Dichlorobenzidine	14.045	252	3906	9.126	ng	#	98
83) Chrysene	14.121	228	9672	6.179	ng		95
84) Bis(2-ethylhexyl)phtha...	14.074	149	8018	6.034	ng	#	97
85) Di-n-octyl phthalate	14.686	149	12043	6.263	ng	#	100
87) Indeno(1,2,3-cd)pyrene	17.092	276	6377	5.856	ng		90
88) Benzo(b)fluoranthene	15.145	252	8593	6.376	ng		99
89) Benzo(k)fluoranthene	15.174	252	8471	6.851	ng		98
90) Benzo(a)pyrene	15.521	252	7829	7.038	ng	#	95
91) Dibenzo(a,h)anthracene	17.109	278	5917	6.384	ng	#	92
92) Benzo(g,h,i)perylene	17.550	276	5067	5.599	ng	#	92

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

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