Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG090424\
Data File : BG062642.D
Acq On : 4 Sep 2024 14:08
Operator : MA/JU
Sample : P2403-02
Misc : LOQ-SOIL-5 ng
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2024

Quant Time: Sep 04 14:51:57 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG083024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Aug 31 02:36:01 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.918	152	54239	20.000	ng		0.00
21) Naphthalene-d8	10.715	136	234825	20.000	ng		0.00
39) Acenaphthene-d10	14.545	164	192507	20.000	ng		0.00
64) Phenanthrene-d10	17.289	188	539399	20.000	ng		0.00
76) Chrysene-d12	21.537	240	610809	20.000	ng		0.00
86) Perylene-d12	24.610	264	675838	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.497	112	306402	97.647	ng		0.00
7) Phenol-d6	7.084	99	440581	97.193	ng		0.00
23) Nitrobenzene-d5	9.070	82	337736	77.459	ng		0.00
42) 2,4,6-Tribromophenol	16.038	330	293838	108.460	ng		0.00
45) 2-Fluorobiphenyl	13.171	172	891063	74.976	ng		0.00
79) Terphenyl-d14	19.910	244	2134687	69.297	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.406	88	6367	4.871	ng		96
3) Pyridine	3.805	79	15472	4.108	ng	#	81
4) n-Nitrosodimethylamine	3.717	42	8710	4.757	ng	#	84
6) Aniline	7.242	93	21631	5.107	ng		96
8) 2-Chlorophenol	7.489	128	14245	4.228	ng		94
9) Benzaldehyde	7.060	77	15697	5.953	ng		95
10) Phenol	7.107	94	19673	4.287	ng		90
11) bis(2-Chloroethyl)ether	7.342	93	15370	4.375	ng		95
12) 1,3-Dichlorobenzene	7.812	146	16172	4.374	ng		93
13) 1,4-Dichlorobenzene	7.953	146	16189m	4.255	ng		
14) 1,2-Dichlorobenzene	8.270	146	15979	4.273	ng		96
15) Benzyl Alcohol	8.153	79	13407	3.997	ng		91
16) 2,2'-oxybis(1-Chloropr...	8.435	45	28454	4.249	ng		99
17) 2-Methylphenol	8.359	107	11992	3.749	ng		89
18) Hexachloroethane	8.999	117	6070	4.255	ng		95
19) n-Nitroso-di-n-propyla...	8.711	70	13387	3.748	ng		97
20) 3+4-Methylphenols	8.682	107	17143	3.633	ng		99
22) Acetophenone	8.735	105	26875	4.242	ng	#	98
24) Nitrobenzene	9.117	77	20478	4.417	ng		93
25) Isophorone	9.634	82	38405	4.013	ng	#	89
26) 2-Nitrophenol	9.827	139	7465	4.262	ng	#	90
27) 2,4-Dimethylphenol	9.886	122	11721m	4.567	ng		
28) bis(2-Chloroethoxy)met...	10.121	93	22113	4.316	ng		95
29) 2,4-Dichlorophenol	10.362	162	15983	4.454	ng		92
30) 1,2,4-Trichlorobenzene	10.579	180	19575	4.601	ng		91
31) Naphthalene	10.762	128	51209	4.400	ng	#	95
32) Benzoic acid	9.945	122	6432m	2.330	ng		
33) 4-Chloroaniline	10.867	127	19960	4.358	ng	#	91
34) Hexachlorobutadiene	11.055	225	12997	4.374	ng		96
35) Caprolactam	11.614	113	5894	4.260	ng	#	81
36) 4-Chloro-3-methylphenol	11.996	107	16162	3.734	ng		88
37) 2-Methylnaphthalene	12.372	142	37495	4.153	ng		96
38) 1-Methylnaphthalene	12.589	142	36277m	4.002	ng		
40) 1,2,4,5-Tetrachloroben...	12.742	216	26821	4.633	ng		98
41) Hexachlorocyclopentadiene	12.724	237	4488	2.717	ng		86
43) 2,4,6-Trichlorophenol	12.977	196	14933	4.069	ng		94

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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	13.047	196	17153	4.127	ng		96
46) 1,1'-Biphenyl	13.382	154	58637	4.566	ng		98
47) 2-Chloronaphthalene	13.423	162	45895	4.409	ng		95
48) 2-Nitroaniline	13.617	65	11379	4.157	ng		87
49) Acenaphthylene	14.269	152	73793	4.787	ng		97
50) Dimethylphthalate	13.999	163	62231	4.421	ng		99
51) 2,6-Dinitrotoluene	14.117	165	10898	4.093	ng		90
52) Acenaphthene	14.610	154	41358	4.292	ng		96
53) 3-Nitroaniline	14.446	138	11182	4.340	ng	#	94
54) 2,4-Dinitrophenol	14.657	184	3417	2.287	ng		93
55) Dibenzofuran	14.945	168	75796	4.587	ng		95
56) 4-Nitrophenol	14.751	139	8623	3.949	ng		90
57) 2,4-Dinitrotoluene	14.904	165	14065	3.872	ng		88
58) Fluorene	15.591	166	57150	4.407	ng		98
59) 2,3,4,6-Tetrachlorophenol	15.174	232	17345	4.405	ng	#	95
60) Diethylphthalate	15.362	149	59949	4.297	ng		100
61) 4-Chlorophenyl-phenyle...	15.591	204	34808	4.675	ng		93
62) 4-Nitroaniline	15.603	138	11247	3.959	ng		93
63) Azobenzene	15.879	77	54838	4.186	ng		98
65) 4,6-Dinitro-2-methylph...	15.668	198	7893	3.279	ng		89
66) n-Nitrosodiphenylamine	15.797	169	52492	4.048	ng		99
67) 4-Bromophenyl-phenylether	16.478	248	23533	4.227	ng		93
68) Hexachlorobenzene	16.602	284	27708	4.203	ng	#	94
69) Atrazine	16.749	200	24956	5.666	ng		96
70) Pentachlorophenol	16.943	266	11718	2.775	ng		97
71) Phenanthrene	17.330	178	117369	4.662	ng		98
72) Anthracene	17.424	178	108538	4.385	ng		98
73) Carbazole	17.689	167	100183	4.402	ng		99
74) Di-n-butylphthalate	18.259	149	108936	4.245	ng	#	98
75) Fluoranthene	19.346	202	146187	4.591	ng		97
77) Benzidine	19.528	184	41128	3.736	ng	#	94
78) Pyrene	19.704	202	158213	4.075	ng		99
80) Butylbenzylphthalate	20.603	149	41935	3.677	ng		97
81) Benzo(a)anthracene	21.520	228	172303	4.472	ng		96
82) 3,3'-Dichlorobenzidine	21.437	252	55698	4.438	ng		98
83) Chrysene	21.578	228	164072	4.446	ng		98
84) Bis(2-ethylhexyl)phtha...	21.437	149	69162	3.992	ng		99
85) Di-n-octyl phthalate	22.601	149	111214	3.666	ng		98
87) Indeno(1,2,3-cd)pyrene	28.065	276	188609	4.352	ng	#	93
88) Benzo(b)fluoranthene	23.635	252	155851	4.175	ng		99
89) Benzo(k)fluoranthene	23.699	252	159794	4.376	ng		99
90) Benzo(a)pyrene	24.463	252	143386	4.348	ng		97
91) Dibenzo(a,h)anthracene	28.124	278	157513	4.412	ng		95
92) Benzo(g,h,i)perylene	29.146	276	147724	4.104	ng		98

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

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