Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081424\
Data File : BP021500.D
Acq On : 14 Aug 2024 14:56
Operator : RC/JU
Sample : P3390-02
Misc : LOQ-SOIL-10ng
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT3-2024

Quant Time: Aug 14 16:03:31 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 14 16:01:21 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.805	152	378854	20.000	ng		0.00
21) Naphthalene-d8	10.587	136	1726153	20.000	ng		-0.01
39) Acenaphthene-d10	14.457	164	1225049	20.000	ng		0.00
64) Phenanthrene-d10	17.263	188	2758152	20.000	ng		0.01
76) Chrysene-d12	21.704	240	2396526	20.000	ng		0.00
86) Perylene-d12	25.116	264	2074680	20.000	ng		0.01
System Monitoring Compounds							
5) 2-Fluorophenol	5.393	112	3515523	137.786	ng		0.00
7) Phenol-d6	6.964	99	5265335	141.466	ng		0.00
23) Nitrobenzene-d5	8.952	82	3529603	105.541	ng		0.00
42) 2,4,6-Tribromophenol	15.963	330	2117537	155.309	ng		0.00
45) 2-Fluorobiphenyl	13.069	172	7453315	92.853	ng		0.00
79) Terphenyl-d14	19.981	244	12056804	97.738	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.317	88	136756	11.304	ng		100
3) Pyridine	3.705	79	355080	10.514	ng		99
4) n-Nitrosodimethylamine	3.617	42	119398	11.762	ng	#	99
6) Aniline	7.128	93	523602	14.072	ng		99
8) 2-Chlorophenol	7.369	128	279597	11.858	ng		99
9) Benzaldehyde	6.946	77	349191	14.653	ng		97
10) Phenol	6.987	94	452502	11.740	ng		99
11) bis(2-Chloroethyl)ether	7.228	93	394806	12.106	ng		99
12) 1,3-Dichlorobenzene	7.693	146	308490	11.015	ng		98
13) 1,4-Dichlorobenzene	7.840	146	317693	11.233	ng		100
14) 1,2-Dichlorobenzene	8.158	146	305174	11.198	ng		98
15) Benzyl Alcohol	8.028	79	343346	12.857	ng		98
16) 2,2'-oxybis(1-Chloropr...	8.322	45	386779	12.878	ng		99
17) 2-Methylphenol	8.234	107	287787	11.811	ng		99
18) Hexachloroethane	8.887	117	126517	11.156	ng		96
19) n-Nitroso-di-n-propyla...	8.599	70	344455	13.398	ng		99
20) 3+4-Methylphenols	8.558	107	393573	11.979	ng		99
22) Acetophenone	8.611	105	627257	11.828	ng		99
24) Nitrobenzene	8.993	77	449150	12.366	ng		100
25) Isophorone	9.510	82	996300	12.610	ng		100
26) 2-Nitrophenol	9.705	139	88354	15.288	ng		97
27) 2,4-Dimethylphenol	9.758	122	211881	10.867	ng		97
28) bis(2-Chloroethoxy)met...	9.999	93	581459	12.057	ng		100
29) 2,4-Dichlorophenol	10.228	162	266983	11.589	ng		98
30) 1,2,4-Trichlorobenzene	10.457	180	319934	10.832	ng		98
31) Naphthalene	10.640	128	1013576	11.240	ng		100
32) Benzoic acid	9.828	122	109780	9.295	ng		99
33) 4-Chloroaniline	10.740	127	438260	12.939	ng		99
34) Hexachlorobutadiene	10.934	225	193273	10.393	ng		98
35) Caprolactam	11.481	113	125580	13.096	ng		96
36) 4-Chloro-3-methylphenol	11.857	107	390061	12.206	ng		100
37) 2-Methylnaphthalene	12.252	142	720874	11.713	ng		99
38) 1-Methylnaphthalene	12.481	142	681108	11.221	ng		99
40) 1,2,4,5-Tetrachloroben...	12.622	216	401984	11.199	ng		100
41) Hexachlorocyclopentadiene	12.616	237	137408	12.079	ng		97
43) 2,4,6-Trichlorophenol	12.857	196	221432	11.106	ng		100

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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	12.922	196	256668	11.586	ng		97
46) 1,1'-Biphenyl	13.275	154	1000426	11.542	ng		99
47) 2-Chloronaphthalene	13.310	162	756847	11.216	ng		99
48) 2-Nitroaniline	13.504	65	199376	12.708	ng		99
49) Acenaphthylene	14.169	152	1247845	12.580	ng		100
50) Dimethylphthalate	13.898	163	1015408	12.377	ng		99
51) 2,6-Dinitrotoluene	14.004	165	176911	13.787	ng		91
52) Acenaphthene	14.522	154	741356	11.390	ng		99
53) 3-Nitroaniline	14.334	138	184302	13.184	ng		92
54) 2,4-Dinitrophenol	14.546	184	45506	10.756	ng	#	83
55) Dibenzofuran	14.857	168	1197095	11.956	ng		98
56) 4-Nitrophenol	14.640	139	141408	11.846	ng		98
57) 2,4-Dinitrotoluene	14.810	165	213472	12.254	ng		99
58) Fluorene	15.516	166	983785	11.960	ng		99
59) 2,3,4,6-Tetrachlorophenol	15.087	232	228937	12.176	ng		96
60) Diethylphthalate	15.287	149	1042027	12.379	ng		100
61) 4-Chlorophenyl-phenyle...	15.516	204	507063	11.926	ng		99
62) 4-Nitroaniline	15.516	138	194825	13.180	ng		98
63) Azobenzene	15.816	77	1346702	13.015	ng		98
65) 4,6-Dinitro-2-methylph...	15.587	198	69769	9.307	ng		98
66) n-Nitrosodiphenylamine	15.728	169	865985	11.716	ng		99
67) 4-Bromophenyl-phenylether	16.428	248	304385	10.427	ng		97
68) Hexachlorobenzene	16.545	284	379497	11.001	ng		99
69) Atrazine	16.698	200	319618	12.595	ng		99
70) Pentachlorophenol	16.898	266	184723	9.811	ng		98
71) Phenanthrene	17.298	178	1562173	11.777	ng		100
72) Anthracene	17.387	178	1529278	11.756	ng		99
73) Carbazole	17.663	167	1460363	11.649	ng		100
74) Di-n-butylphthalate	18.275	149	1766411	11.473	ng		99
75) Fluoranthene	19.381	202	1850471	11.370	ng		99
77) Benzidine	19.563	184	690293	13.730	ng		98
78) Pyrene	19.751	202	1920613	12.261	ng		99
80) Butylbenzylphthalate	20.704	149	575800	10.990	ng		98
81) Benzo(a)anthracene	21.680	228	1784515	11.862	ng		99
82) 3,3'-Dichlorobenzidine	21.598	252	558870	11.586	ng		99
83) Chrysene	21.751	228	1650227	11.618	ng		99
84) Bis(2-ethylhexyl)phtha...	21.651	149	934397	10.508	ng		99
85) Di-n-octyl phthalate	22.957	149	1162330	11.528	ng		98
87) Indeno(1,2,3-cd)pyrene	28.968	276	1355109	10.076	ng		97
88) Benzo(b)fluoranthene	24.021	252	1430412	12.005	ng		100
89) Benzo(k)fluoranthene	24.104	252	1420351	12.220	ng		99
90) Benzo(a)pyrene	24.957	252	1219567	11.794	ng		98
91) Dibenzo(a,h)anthracene	29.068	278	1128497	10.099	ng		100
92) Benzo(g,h,i)perylene	30.186	276	1054044	9.411	ng		99

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

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