Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF123124\
Data File : BF141051.D
Acq On : 31 Dec 2024 11:49
Operator : RC/JU
Sample : P5362-02MSD
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219MSD

Quant Time: Dec 31 12:24:02 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 27 00:31:16 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.828	152	232407	20.000	ng		0.00
21) Naphthalene-d8	8.110	136	925099	20.000	ng		0.00
39) Acenaphthene-d10	9.863	164	503882	20.000	ng		0.00
64) Phenanthrene-d10	11.345	188	849705	20.000	ng		0.00
76) Chrysene-d12	13.986	240	416215	20.000	ng		0.00
86) Perylene-d12	15.439	264	472841	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.457	112	2232244	144.782	ng		0.02
7) Phenol-d6	6.457	99	2798607	140.905	ng		0.00
23) Nitrobenzene-d5	7.393	82	1830790	126.614	ng		0.00
42) 2,4,6-Tribromophenol	10.651	330	902078	184.238	ng		0.00
45) 2-Fluorobiphenyl	9.187	172	3174486	100.375	ng		0.00
79) Terphenyl-d14	12.933	244	3052555	121.819	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.757	88	301805	43.237	ng	#	84
3) Pyridine	3.463	79	525609	30.812	ng		99
4) n-Nitrosodimethylamine	3.393	42	404046	46.747	ng		98
6) Aniline	6.493	93	313867	17.719	ng		96
8) 2-Chlorophenol	6.616	128	856828	52.711	ng		96
10) Phenol	6.475	94	994035	48.401	ng		99
11) bis(2-Chloroethyl)ether	6.569	93	791469	47.729	ng		97
12) 1,3-Dichlorobenzene	6.769	146	845122	47.109	ng		100
13) 1,4-Dichlorobenzene	6.845	146	855568	47.309	ng		99
14) 1,2-Dichlorobenzene	6.998	146	821715	48.733	ng		99
15) Benzyl Alcohol	6.969	79	713963	50.023	ng		99
16) 2,2'-oxybis(1-Chloropr...	7.104	45	1231138	49.092	ng		99
17) 2-Methylphenol	7.081	107	691685	51.219	ng		99
18) Hexachloroethane	7.345	117	315734	49.147	ng		98
19) n-Nitroso-di-n-propyla...	7.245	70	598936	49.223	ng		99
20) 3+4-Methylphenols	7.234	107	847125	49.570	ng	#	85
22) Acetophenone	7.240	105	1093369	48.179	ng		98
24) Nitrobenzene	7.410	77	884486	54.743	ng		96
25) Isophorone	7.651	82	1611721	51.223	ng		100
26) 2-Nitrophenol	7.728	139	438453	64.206	ng		98
27) 2,4-Dimethylphenol	7.757	122	700554	60.921	ng		99
28) bis(2-Chloroethoxy)met...	7.863	93	987760	49.547	ng		100
29) 2,4-Dichlorophenol	7.963	162	694221	53.229	ng		99
30) 1,2,4-Trichlorobenzene	8.051	180	718917	48.702	ng		99
31) Naphthalene	8.134	128	2349067	48.189	ng		100
32) Benzoic acid	7.875	122	547658	56.289	ng		97
33) 4-Chloroaniline	8.175	127	72192	4.094	ng		99
34) Hexachlorobutadiene	8.251	225	426348	48.992	ng		100
35) Caprolactam	8.539	113	191933m	43.289	ng		
36) 4-Chloro-3-methylphenol	8.657	107	760877	52.532	ng		99
37) 2-Methylnaphthalene	8.822	142	1569379	50.324	ng		100
38) 1-Methylnaphthalene	8.922	142	1473767	48.086	ng		100
40) 1,2,4,5-Tetrachloroben...	8.987	216	700190	50.510	ng		99
41) Hexachlorocyclopentadiene	8.975	237	837030	182.207	ng		99
43) 2,4,6-Trichlorophenol	9.098	196	516987	56.035	ng		99
44) 2,4,5-Trichlorophenol	9.139	196	517247	54.792	ng		98

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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
46) 1,1'-Biphenyl	9.287	154	1932118	50.078	ng		99
47) 2-Chloronaphthalene	9.310	162	1464242	48.934	ng		99
48) 2-Nitroaniline	9.404	65	460638	57.795	ng		92
49) Acenaphthylene	9.728	152	2262303	52.519	ng		99
50) Dimethylphthalate	9.586	163	1786357	53.897	ng		100
51) 2,6-Dinitrotoluene	9.645	165	395932	57.772	ng		96
52) Acenaphthene	9.898	154	1698760	58.334	ng		99
53) 3-Nitroaniline	9.810	138	65298	11.544	ng	#	95
54) 2,4-Dinitrophenol	9.922	184	446375	129.142	ng	#	1
55) Dibenzofuran	10.069	168	2073334	50.661	ng		99
56) 4-Nitrophenol	9.969	139	661085	116.604	ng		97
57) 2,4-Dinitrotoluene	10.051	165	542012	63.887	ng		95
58) Fluorene	10.410	166	1580114	49.790	ng		99
59) 2,3,4,6-Tetrachlorophenol	10.186	232	462961	59.215	ng		97
60) Diethylphthalate	10.286	149	1712441	52.335	ng		99
61) 4-Chlorophenyl-phenyle...	10.404	204	773442	50.650	ng		98
62) 4-Nitroaniline	10.428	138	328695	44.986	ng		94
63) Azobenzene	10.563	77	1711084	49.822	ng		99
65) 4,6-Dinitro-2-methylph...	10.457	198	293693	79.159	ng		92
66) n-Nitrosodiphenylamine	10.522	169	1374523	51.370	ng		99
67) 4-Bromophenyl-phenylether	10.892	248	515279	56.097	ng		98
68) Hexachlorobenzene	10.957	284	560058	55.296	ng		99
69) Atrazine	11.045	200	283213	37.888	ng		99
70) Pentachlorophenol	11.151	266	714191	113.255	ng		99
71) Phenanthrene	11.375	178	2330937	52.122	ng		100
72) Anthracene	11.422	178	2382528	54.370	ng		100
73) Carbazole	11.575	167	1997834	47.426	ng		100
74) Di-n-butylphthalate	11.910	149	2541145	53.036	ng		100
75) Fluoranthene	12.557	202	2282314	47.056	ng		99
77) Benzidine	12.680	184	44837	5.097	ng		97
78) Pyrene	12.786	202	2253520	61.908	ng		100
80) Butylbenzylphthalate	13.410	149	842846	63.410	ng		99
81) Benzo(a)anthracene	13.974	228	1407543	48.523	ng		100
82) 3,3'-Dichlorobenzidine	13.939	252	91490	10.498	ng		99
83) Chrysene	14.010	228	1343766	51.388	ng		99
84) Bis(2-ethylhexyl)phtha...	13.969	149	931448	54.023	ng		99
85) Di-n-octyl phthalate	14.586	149	1386309	55.553	ng		98
87) Indeno(1,2,3-cd)pyrene	16.904	276	1983646	66.588	ng		98
88) Benzo(b)fluoranthene	15.021	252	1491587	45.230	ng		99
89) Benzo(k)fluoranthene	15.051	252	1375012	53.198	ng		98
90) Benzo(a)pyrene	15.380	252	1441471	56.315	ng		99
91) Dibenzo(a,h)anthracene	16.921	278	1593652	65.995	ng		98
92) Benzo(g,h,i)perylene	17.339	276	1488983	59.450	ng		99

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

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