Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF120224\
Data File : BF140698.D
Acq On : 02 Dec 2024 19:23
Operator : RC/JU
Sample : P5026-05MSD
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SOIL-1-HAMMSD

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 12/03/2024
Supervised By :mohammad ahmed 12/05/2024

Quant Time: Dec 03 00:05:34 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 21 15:23:48 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.869	152	79657	20.000	ng		0.00
21) Naphthalene-d8	8.151	136	312268	20.000	ng		0.00
39) Acenaphthene-d10	9.910	164	178661	20.000	ng		0.00
64) Phenanthrene-d10	11.398	188	336781	20.000	ng		0.00
76) Chrysene-d12	14.051	240	217135	20.000	ng		0.00
86) Perylene-d12	15.539	264	164773	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.504	112	419830	89.925	ng		0.00
7) Phenol-d6	6.510	99	550647	89.216	ng		0.00
23) Nitrobenzene-d5	7.433	82	352369	57.719	ng		0.00
42) 2,4,6-Tribromophenol	10.704	330	167906	87.872	ng		0.00
45) 2-Fluorobiphenyl	9.222	172	676167	56.389	ng		-0.01
79) Terphenyl-d14	12.980	244	714513	51.240	ng		-0.01
Target Compounds							Qvalue
2) 1,4-Dioxane	2.716	88	94211	47.995	ng		99
3) Pyridine	3.475	79	230481	53.366	ng		99
4) n-Nitrosodimethylamine	3.434	42	124593	49.084	ng		90
6) Aniline	6.534	93	219863	50.610	ng		94
8) 2-Chlorophenol	6.663	128	276737	55.097	ng		95
9) Benzaldehyde	6.422	77	96302	29.474	ng		100
10) Phenol	6.528	94	360754	57.233	ng		96
11) bis(2-Chloroethyl)ether	6.604	93	254946	52.856	ng		100
12) 1,3-Dichlorobenzene	6.810	146	286720	50.803	ng		99
13) 1,4-Dichlorobenzene	6.886	146	296042	51.805	ng		99
14) 1,2-Dichlorobenzene	7.039	146	280397	52.364	ng		100
15) Benzyl Alcohol	7.016	79	252958	55.265	ng		97
16) 2,2'-oxybis(1-Chloropr...	7.139	45	317603	55.736	ng		90
17) 2-Methylphenol	7.128	107	217313	54.049	ng		97
18) Hexachloroethane	7.381	117	107705	50.463	ng		98
19) n-Nitroso-di-n-propyla...	7.281	70	194291	53.264	ng		97
20) 3+4-Methylphenols	7.286	107	283449	54.848	ng	#	91
22) Acetophenone	7.281	105	376247	49.422	ng		97
24) Nitrobenzene	7.451	77	301973	47.859	ng		99
25) Isophorone	7.692	82	535049	52.546	ng		99
26) 2-Nitrophenol	7.769	139	152098	54.396	ng		95
27) 2,4-Dimethylphenol	7.810	122	226936m	67.833	ng		
28) bis(2-Chloroethoxy)met...	7.898	93	329168	53.064	ng		99
29) 2,4-Dichlorophenol	8.016	162	240204	54.185	ng		99
30) 1,2,4-Trichlorobenzene	8.092	180	246073	48.616	ng		99
31) Naphthalene	8.175	128	818308	50.875	ng		99
32) Benzoic acid	7.945	122	125984	43.982	ng		94
33) 4-Chloroaniline	8.222	127	100122	20.790	ng		98
34) Hexachlorobutadiene	8.286	225	162697	48.529	ng		100
35) Caprolactam	8.598	113	77302m	56.347	ng		
36) 4-Chloro-3-methylphenol	8.716	107	268516	54.099	ng		100
37) 2-Methylnaphthalene	8.863	142	533953	52.265	ng		99
38) 1-Methylnaphthalene	8.963	142	501673	50.097	ng		99
40) 1,2,4,5-Tetrachloroben...	9.033	216	263275	50.336	ng		99
41) Hexachlorocyclopentadiene	9.016	237	209986	169.623	ng		98
43) 2,4,6-Trichlorophenol	9.145	196	164648	50.168	ng		100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.192	196	182267	51.172	ng	98
46) 1,1'-Biphenyl	9.327	154	681374	51.081	ng	99
47) 2-Chloronaphthalene	9.357	162	512365	50.693	ng	98
48) 2-Nitroaniline	9.457	65	170492	52.552	ng	94
49) Acenaphthylene	9.769	152	838978	54.938	ng	99
50) Dimethylphthalate	9.627	163	628031	53.374	ng	100
51) 2,6-Dinitrotoluene	9.698	165	135837	50.902	ng	93
52) Acenaphthene	9.945	154	508773	52.433	ng	99
53) 3-Nitroaniline	9.869	138	84129	32.233	ng	95
54) 2,4-Dinitrophenol	9.986	184	140162	99.320	ng	92
55) Dibenzofuran	10.116	168	767785	51.875	ng	99
56) 4-Nitrophenol	10.045	139	173362	97.394	ng	93
57) 2,4-Dinitrotoluene	10.104	165	184775	52.099	ng	98
58) Fluorene	10.457	166	618783	52.086	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.239	232	157369	57.488	ng	93
60) Diethylphthalate	10.327	149	622107	52.037	ng	99
61) 4-Chlorophenyl-phenyle...	10.445	204	300216	51.493	ng	99
62) 4-Nitroaniline	10.486	138	147772	53.983	ng	92
63) Azobenzene	10.610	77	642082	56.714	ng	96
65) 4,6-Dinitro-2-methylph...	10.516	198	102299	59.443	ng	98
66) n-Nitrosodiphenylamine	10.569	169	537070	53.925	ng	100
67) 4-Bromophenyl-phenylether	10.939	248	181516	52.335	ng	97
68) Hexachlorobenzene	11.010	284	209827	52.248	ng	99
69) Atrazine	11.098	200	177122	63.217	ng	99
70) Pentachlorophenol	11.210	266	173723	98.286	ng	99
71) Phenanthrene	11.427	178	882952	54.541	ng	100
72) Anthracene	11.474	178	900612	56.872	ng	100
73) Carbazole	11.633	167	830304	54.503	ng	100
74) Di-n-butylphthalate	11.951	149	967085	54.987	ng	100
75) Fluoranthene	12.615	202	987002	56.154	ng	99
77) Benzidine	12.739	184	283123	44.847	ng	99
78) Pyrene	12.845	202	1017400	50.675	ng	99
80) Butylbenzylphthalate	13.457	149	389520	53.857	ng	99
81) Benzo(a)anthracene	14.039	228	783436	54.506	ng	100
82) 3,3'-Dichlorobenzidine	13.998	252	134922	31.265	ng	99
83) Chrysene	14.074	228	706592	53.762	ng	99
84) Bis(2-ethylhexyl)phtha...	14.010	149	508699	55.702	ng	99
85) Di-n-octyl phthalate	14.633	149	714100	57.216	ng	98
87) Indeno(1,2,3-cd)pyrene	17.056	276	548707	51.099	ng	98
88) Benzo(b)fluoranthene	15.104	252	586026	56.623	ng	99
89) Benzo(k)fluoranthene	15.133	252	522940	57.740	ng	100
90) Benzo(a)pyrene	15.480	252	528843	62.845	ng	98
91) Dibenzo(a,h)anthracene	17.062	278	439698	49.999	ng	99
92) Benzo(g,h,i)perylene	17.509	276	420045	46.808	ng	98

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

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