Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF120624\
Data File : BF140780.D
Acq On : 06 Dec 2024 21:10
Operator : RC/JU
Sample : P5112-01MS
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
10TH-ST-SOILMS

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 12/10/2024
Supervised By :mohammad ahmed 12/10/2024

Quant Time: Dec 06 21:57:23 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	69805	20.000	ng		0.00
21) Naphthalene-d8	8.151	136	258221	20.000	ng		0.00
39) Acenaphthene-d10	9.904	164	131159	20.000	ng		-0.01
64) Phenanthrene-d10	11.398	188	206862	20.000	ng		0.00
76) Chrysene-d12	14.057	240	144601	20.000	ng		0.00
86) Perylene-d12	15.557	264	118347	20.000	ng		0.02
System Monitoring Compounds							
5) 2-Fluorophenol	5.510	112	479754	117.264	ng		0.01
7) Phenol-d6	6.516	99	617571	114.181	ng		0.00
23) Nitrobenzene-d5	7.434	82	398848	79.007	ng		0.00
42) 2,4,6-Tribromophenol	10.704	330	153689	109.562	ng		0.00
45) 2-Fluorobiphenyl	9.222	172	739404	83.995	ng		-0.01
79) Terphenyl-d14	12.986	244	622115	66.992	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.693	88	76075	44.226	ng		98
3) Pyridine	3.469	79	181454	47.944	ng		99
4) n-Nitrosodimethylamine	3.422	42	101941	45.828	ng		95
6) Aniline	6.539	93	104176	27.365	ng	#	32
8) 2-Chlorophenol	6.663	128	231575	52.612	ng		96
9) Benzaldehyde	6.428	77	70554	24.641	ng		99
10) Phenol	6.534	94	291619	52.795	ng		91
11) bis(2-Chloroethyl)ether	6.604	93	222023	52.527	ng		99
12) 1,3-Dichlorobenzene	6.810	146	246479	49.836	ng		98
13) 1,4-Dichlorobenzene	6.886	146	249712	49.865	ng		100
14) 1,2-Dichlorobenzene	7.039	146	236351	50.368	ng		99
15) Benzyl Alcohol	7.016	79	199133	49.646	ng		97
16) 2,2'-oxybis(1-Chloropr...	7.139	45	263833	52.835	ng		64
17) 2-Methylphenol	7.139	107	179096	50.831	ng		93
18) Hexachloroethane	7.375	117	90808	48.551	ng		99
19) n-Nitroso-di-n-propyla...	7.281	70	165669	51.828	ng		97
20) 3+4-Methylphenols	7.292	107	240614	53.130	ng	#	68
22) Acetophenone	7.281	105	318476	50.589	ng	#	93
24) Nitrobenzene	7.457	77	245585	47.069	ng		96
25) Isophorone	7.692	82	446510	53.029	ng		99
26) 2-Nitrophenol	7.769	139	123914	53.592	ng		96
27) 2,4-Dimethylphenol	7.810	122	180381m	65.202	ng		
28) bis(2-Chloroethoxy)met...	7.898	93	268753	52.393	ng		99
29) 2,4-Dichlorophenol	8.022	162	192725	52.574	ng		98
30) 1,2,4-Trichlorobenzene	8.092	180	205081	48.998	ng		98
31) Naphthalene	8.175	128	715648	53.805	ng		100
32) Benzoic acid	7.951	122	89314	38.732	ng		93
33) 4-Chloroaniline	8.239	127	39048	9.805	ng		99
34) Hexachlorobutadiene	8.281	225	141982	51.215	ng		98
35) Caprolactam	8.598	113	57979	51.108	ng		97
36) 4-Chloro-3-methylphenol	8.722	107	202348	49.301	ng		99
37) 2-Methylnaphthalene	8.863	142	457956	54.209	ng		99
38) 1-Methylnaphthalene	8.963	142	426554	51.512	ng		100
40) 1,2,4,5-Tetrachloroben...	9.028	216	211135	54.988	ng		100
41) Hexachlorocyclopentadiene	9.010	237	55710	65.957	ng		98
43) 2,4,6-Trichlorophenol	9.151	196	131134	54.427	ng		99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.204	196	131630	50.339	ng	98
46) 1,1'-Biphenyl	9.328	154	540409	55.186	ng	99
47) 2-Chloronaphthalene	9.351	162	396081	53.381	ng	99
48) 2-Nitroaniline	9.457	65	121168	50.875	ng	96
49) Acenaphthylene	9.769	152	651419	58.105	ng	100
50) Dimethylphthalate	9.627	163	486793	56.354	ng	100
51) 2,6-Dinitrotoluene	9.698	165	100491	51.295	ng	92
52) Acenaphthene	9.939	154	431031	60.509	ng	99
53) 3-Nitroaniline	9.869	138	61090	31.883	ng	96
54) 2,4-Dinitrophenol	9.992	184	54335	56.139	ng	95
55) Dibenzofuran	10.116	168	614414	56.547	ng	100
56) 4-Nitrophenol	10.057	139	87028	66.599	ng	93
57) 2,4-Dinitrotoluene	10.104	165	126412	48.552	ng	94
58) Fluorene	10.457	166	508665	58.324	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.239	232	100101	49.811	ng	93
60) Diethylphthalate	10.327	149	477581	54.416	ng	99
61) 4-Chlorophenyl-phenyle...	10.445	204	224764	52.514	ng	98
62) 4-Nitroaniline	10.486	138	85376	42.484	ng	94
63) Azobenzene	10.604	77	455072	54.754	ng	97
65) 4,6-Dinitro-2-methylph...	10.522	198	48452	45.836	ng	97
66) n-Nitrosodiphenylamine	10.569	169	384581	62.866	ng	99
67) 4-Bromophenyl-phenylether	10.939	248	123268	57.862	ng	98
68) Hexachlorobenzene	11.010	284	132968	53.904	ng	99
69) Atrazine	11.098	200	113461	65.929	ng	99
70) Pentachlorophenol	11.216	266	88557	81.569	ng	100
71) Phenanthrene	11.427	178	1457178	146.544	ng	99
72) Anthracene	11.480	178	762241	78.365	ng	99
73) Carbazole	11.639	167	563151	60.184	ng	100
74) Di-n-butylphthalate	11.951	149	638201	59.077	ng	100
75) Fluoranthene	12.621	202	1695660	157.060	ng	98
77) Benzidine	12.745	184	138463	32.935	ng	99
78) Pyrene	12.857	202	1566168	117.139	ng	99
80) Butylbenzylphthalate	13.457	149	246729	51.226	ng	98
81) Benzo(a)anthracene	14.045	228	1105936	115.539	ng	97
82) 3,3'-Dichlorobenzidine	14.004	252	101927	35.467	ng	99
83) Chrysene	14.086	228	860669	98.334	ng	98
84) Bis(2-ethylhexyl)phtha...	14.015	149	369920	60.824	ng	99
85) Di-n-octyl phthalate	14.639	149	618045	74.360	ng	97
87) Indeno(1,2,3-cd)pyrene	17.086	276	472998	61.328	ng	98
88) Benzo(b)fluoranthene	15.121	252	885287	119.094	ng	98
89) Benzo(k)fluoranthene	15.151	252	511840m	78.684	ng	
90) Benzo(a)pyrene	15.498	252	633581	104.827	ng	98
91) Dibenzo(a,h)anthracene	17.086	278	302339	47.867	ng	99
92) Benzo(g,h,i)perylene	17.539	276	366946	56.931	ng	99

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

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