Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122724\
Data File : BF141003.D
Acq On : 27 Dec 2024 18:13
Operator : RC/JU
Sample : P5362-01MSD
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219MSD

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 12/30/2024
Supervised By :mohammad ahmed 12/30/2024

Quant Time: Dec 27 22:19:54 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	6.822	152	253419	20.000	ng		0.00
21) Naphthalene-d8	8.104	136	1023386	20.000	ng		0.00
39) Acenaphthene-d10	9.857	164	549521	20.000	ng		0.00
64) Phenanthrene-d10	11.345	188	894495	20.000	ng		0.00
76) Chrysene-d12	13.980	240	509383	20.000	ng		0.00
86) Perylene-d12	15.439	264	560831	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.440	112	1762750	104.851	ng		0.00
7) Phenol-d6	6.446	99	2266172	104.638	ng		0.00
23) Nitrobenzene-d5	7.387	82	1399957	87.520	ng		0.00
42) 2,4,6-Tribromophenol	10.645	330	633400	118.620	ng		0.00
45) 2-Fluorobiphenyl	9.181	172	2410818	69.897	ng		0.00
79) Terphenyl-d14	12.928	244	2226516	72.602	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.646	88	353386	46.429	ng		99
3) Pyridine	3.381	79	900503	48.412	ng		99
4) n-Nitrosodimethylamine	3.334	42	462579	49.082	ng		100
6) Aniline	6.487	93	622195	32.213	ng		100
8) 2-Chlorophenol	6.604	128	903555	50.976	ng		99
9) Benzaldehyde	6.369	77	199802	13.360	ng		99
10) Phenol	6.463	94	1149319	51.322	ng		100
11) bis(2-Chloroethyl)ether	6.563	93	837222	46.301	ng		98
12) 1,3-Dichlorobenzene	6.763	146	914719	46.761	ng		100
13) 1,4-Dichlorobenzene	6.840	146	921998	46.755	ng		100
14) 1,2-Dichlorobenzene	6.993	146	882236	47.984	ng		99
15) Benzyl Alcohol	6.963	79	793572	50.991	ng		99
16) 2,2'-oxybis(1-Chloropr...	7.098	45	1356908	49.621	ng		99
17) 2-Methylphenol	7.075	107	735228	49.929	ng		100
18) Hexachloroethane	7.340	117	335171	47.847	ng		99
19) n-Nitroso-di-n-propyla...	7.240	70	643021	48.464	ng		100
20) 3+4-Methylphenols	7.228	107	914603	49.081	ng	#	85
22) Acetophenone	7.234	105	1179481	46.982	ng		97
24) Nitrobenzene	7.404	77	951609	53.241	ng		98
25) Isophorone	7.646	82	1711648	49.174	ng		99
26) 2-Nitrophenol	7.722	139	445336	59.384	ng		99
27) 2,4-Dimethylphenol	7.757	122	735156	57.790	ng		100
28) bis(2-Chloroethoxy)met...	7.857	93	1044883	47.379	ng		100
29) 2,4-Dichlorophenol	7.957	162	736390	51.040	ng		98
30) 1,2,4-Trichlorobenzene	8.045	180	743744	45.545	ng		99
31) Naphthalene	8.128	128	2522801	46.782	ng		100
32) Benzoic acid	7.869	122	572879	53.645	ng		99
33) 4-Chloroaniline	8.169	127	219803	11.267	ng		99
34) Hexachlorobutadiene	8.245	225	442655	45.981	ng		100
35) Caprolactam	8.540	113	250065m	50.983	ng		
36) 4-Chloro-3-methylphenol	8.651	107	796410	49.705	ng		100
37) 2-Methylnaphthalene	8.816	142	1663200	48.211	ng		99
38) 1-Methylnaphthalene	8.916	142	1551904	45.773	ng		99
40) 1,2,4,5-Tetrachloroben...	8.981	216	731418	48.381	ng		99
41) Hexachlorocyclopentadiene	8.969	237	615661	122.888	ng		99
43) 2,4,6-Trichlorophenol	9.092	196	529893	52.664	ng		100

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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	9.128	196	522273	50.730	ng		99
46) 1,1'-Biphenyl	9.281	154	2015832	47.909	ng		99
47) 2-Chloronaphthalene	9.304	162	1518070	46.519	ng		100
48) 2-Nitroaniline	9.398	65	496364	57.161	ng		96
49) Acenaphthylene	9.722	152	2387914	50.831	ng		100
50) Dimethylphthalate	9.587	163	1812430	50.142	ng		100
51) 2,6-Dinitrotoluene	9.640	165	406083	54.549	ng		99
52) Acenaphthene	9.892	154	1661885	52.328	ng		100
53) 3-Nitroaniline	9.804	138	210393	27.725	ng	#	95
54) 2,4-Dinitrophenol	9.910	184	310318	96.498	ng	#	1
55) Dibenzofuran	10.063	168	2181754	48.883	ng		100
56) 4-Nitrophenol	9.963	139	657289	106.306	ng		97
57) 2,4-Dinitrotoluene	10.045	165	530670	57.815	ng		97
58) Fluorene	10.410	166	1632155	47.158	ng		99
59) 2,3,4,6-Tetrachlorophenol	10.181	232	451490	52.952	ng		99
60) Diethylphthalate	10.287	149	1746446	48.942	ng		99
61) 4-Chlorophenyl-phenyle...	10.398	204	789415	47.402	ng		99
62) 4-Nitroaniline	10.422	138	366875	45.963	ng		94
63) Azobenzene	10.563	77	2025418	54.076	ng		95
65) 4,6-Dinitro-2-methylph...	10.451	198	221042	59.257	ng		93
66) n-Nitrosodiphenylamine	10.522	169	1483931	52.682	ng		99
67) 4-Bromophenyl-phenylether	10.892	248	521314	53.912	ng		97
68) Hexachlorobenzene	10.951	284	556990	52.239	ng		98
69) Atrazine	11.045	200	499952	63.534	ng		99
70) Pentachlorophenol	11.145	266	665427	100.239	ng		100
71) Phenanthrene	11.369	178	2425244	51.515	ng		100
72) Anthracene	11.422	178	2463235	53.397	ng		100
73) Carbazole	11.575	167	2018900	45.526	ng		100
74) Di-n-butylphthalate	11.910	149	2581274	51.176	ng		100
75) Fluoranthene	12.557	202	2224441	43.566	ng		99
77) Benzidine	12.675	184	295142	27.416	ng		99
78) Pyrene	12.786	202	2307667	51.800	ng		100
80) Butylbenzylphthalate	13.410	149	857483	52.712	ng		99
81) Benzo(a)anthracene	13.969	228	1787977	50.364	ng		99
82) 3,3'-Dichlorobenzidine	13.933	252	343860	32.238	ng		100
83) Chrysene	14.010	228	1567315	48.974	ng		100
84) Bis(2-ethylhexyl)phtha...	13.969	149	1087121	51.520	ng		99
85) Di-n-octyl phthalate	14.586	149	1820294	59.602	ng		99
87) Indeno(1,2,3-cd)pyrene	16.886	276	1680164	47.551	ng		99
88) Benzo(b)fluoranthene	15.016	252	1928344	49.300	ng		100
89) Benzo(k)fluoranthene	15.045	252	1560739	50.910	ng		100
90) Benzo(a)pyrene	15.380	252	1673025	55.106	ng		99
91) Dibenzo(a,h)anthracene	16.910	278	1330281	46.445	ng		99
92) Benzo(g,h,i)perylene	17.321	276	1240443	41.756	ng		99

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

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