Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061724\
Data File : BF138211.D
Acq On : 17 Jun 2024 18:29
Operator : CG\JU
Sample : P2883-01MS
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
Soil/Gravel-SPMS

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 06/18/2024
Supervised By :mohammad ahmed 06/19/2024

Quant Time: Jun 17 19:00:00 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061224.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jun 13 01:52:47 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.892	152	407656	20.000	ng	0.00
21) Naphthalene-d8	8.175	136	1630789	20.000	ng	0.00
39) Acenaphthene-d10	9.927	164	892654	20.000	ng	0.00
64) Phenanthrene-d10	11.416	188	1547026	20.000	ng	0.00
76) Chrysene-d12	14.051	240	802352	20.000	ng	0.00
86) Perylene-d12	15.521	264	872455	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.522	112	2538714	104.177	ng	0.01
7) Phenol-d6	6.522	99	3241064	104.885	ng	0.00
23) Nitrobenzene-d5	7.457	82	1975476	70.521	ng	0.00
42) 2,4,6-Tribromophenol	10.721	330	910704	102.481	ng	0.00
45) 2-Fluorobiphenyl	9.251	172	3622270	64.526	ng	0.00
79) Terphenyl-d14	12.998	244	3831363	75.631	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.775	88	431925	38.730	ng	99
3) Pyridine	3.528	79	1119397	42.233	ng	100
4) n-Nitrosodimethylamine	3.487	42	573487	46.751	ng	96
6) Aniline	6.557	93	1137553	37.622	ng	98
8) 2-Chlorophenol	6.675	128	1256359	47.686	ng	95
9) Benzaldehyde	6.439	77	240089	14.629	ng	98
10) Phenol	6.539	94	1535003m	48.949	ng	
11) bis(2-Chloroethyl)ether	6.628	93	1169492	46.596	ng	97
12) 1,3-Dichlorobenzene	6.833	146	1259152	42.053	ng	98
13) 1,4-Dichlorobenzene	6.910	146	1284791	42.639	ng	99
14) 1,2-Dichlorobenzene	7.063	146	1220659	43.153	ng	99
15) Benzyl Alcohol	7.033	79	1024040	49.149	ng	98
16) 2,2'-oxybis(1-Chloropr...	7.163	45	1629769	46.010	ng	99
17) 2-Methylphenol	7.145	107	990774	47.664	ng	99
18) Hexachloroethane	7.404	117	454155	44.489	ng	91
19) n-Nitroso-di-n-propyla...	7.310	70	845565	46.163	ng	99
20) 3+4-Methylphenols	7.298	107	1197154	45.757	ng	97
22) Acetophenone	7.304	105	1562886	41.952	ng	98
24) Nitrobenzene	7.475	77	1268543	43.815	ng	99
25) Isophorone	7.716	82	2315287	45.694	ng	99
26) 2-Nitrophenol	7.792	139	633924	54.451	ng	98
27) 2,4-Dimethylphenol	7.828	122	887447m	50.105	ng	
28) bis(2-Chloroethoxy)met...	7.928	93	1443068	45.497	ng	100
29) 2,4-Dichlorophenol	8.033	162	1040086	45.611	ng	98
30) 1,2,4-Trichlorobenzene	8.116	180	1115096	41.465	ng	99
31) Naphthalene	8.198	128	3348733	41.528	ng	99
32) Benzoic acid	7.957	122	768433	49.225	ng	99
33) 4-Chloroaniline	8.239	127	434516	14.417	ng	99
34) Hexachlorobutadiene	8.310	225	619846	39.410	ng	98
35) Caprolactam	8.616	113	344744m	50.077	ng	
36) 4-Chloro-3-methylphenol	8.722	107	1093315	48.154	ng	95
37) 2-Methylnaphthalene	8.886	142	2265572	42.809	ng	99
38) 1-Methylnaphthalene	8.986	142	2124321	40.961	ng	100
40) 1,2,4,5-Tetrachloroben...	9.051	216	1038498	39.812	ng	99
41) Hexachlorocyclopentadiene	9.039	237	1084129	127.462	ng	99
43) 2,4,6-Trichlorophenol	9.163	196	763984	46.775	ng	100

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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	9.204	196	803137	44.776	ng		98
46) 1,1'-Biphenyl	9.351	154	2674695	40.834	ng		99
47) 2-Chloronaphthalene	9.375	162	2180031	42.113	ng		99
48) 2-Nitroaniline	9.475	65	644287	51.680	ng		90
49) Acenaphthylene	9.792	152	3308048	45.572	ng		98
50) Dimethylphthalate	9.657	163	2494473	45.608	ng		100
51) 2,6-Dinitrotoluene	9.716	165	581694	49.025	ng		89
52) Acenaphthene	9.963	154	2291543m	46.295	ng		
53) 3-Nitroaniline	9.880	138	430862	33.992	ng		99
54) 2,4-Dinitrophenol	9.986	184	551610	88.070	ng		98
55) Dibenzofuran	10.139	168	2985371	43.144	ng		99
56) 4-Nitrophenol	10.045	139	951185	94.958	ng		87
57) 2,4-Dinitrotoluene	10.116	165	768364	52.503	ng	#	85
58) Fluorene	10.480	166	2260757	41.554	ng		100
59) 2,3,4,6-Tetrachlorophenol	10.251	232	655779	46.781	ng		97
60) Diethylphthalate	10.351	149	2436318	46.934	ng		99
61) 4-Chlorophenyl-phenyle...	10.469	204	1146819	42.325	ng		98
62) 4-Nitroaniline	10.498	138	568671	44.902	ng		100
63) Azobenzene	10.627	77	2420717	46.548	ng		99
65) 4,6-Dinitro-2-methylph...	10.522	198	385027	48.721	ng		92
66) n-Nitrosodiphenylamine	10.592	169	2096253	44.260	ng		100
67) 4-Bromophenyl-phenylether	10.957	248	768683	44.095	ng	#	89
68) Hexachlorobenzene	11.021	284	855200	42.038	ng		98
69) Atrazine	11.116	200	684601	50.748	ng		98
70) Pentachlorophenol	11.216	266	1001017	84.371	ng		98
71) Phenanthrene	11.439	178	3281220	42.888	ng		98
72) Anthracene	11.492	178	3354220	44.158	ng		98
73) Carbazole	11.645	167	2904698	41.693	ng		99
74) Di-n-butylphthalate	11.974	149	3550726	49.230	ng		99
75) Fluoranthene	12.627	202	3246361	41.612	ng		99
77) Benzidine	12.751	184	954014	102.797	ng		98
78) Pyrene	12.857	202	3224091	46.586	ng		99
80) Butylbenzylphthalate	13.474	149	1286063	68.317	ng		98
81) Benzo(a)anthracene	14.039	228	2383179	46.298	ng		100
82) 3,3'-Dichlorobenzidine	14.004	252	630852	44.504	ng		99
83) Chrysene	14.074	228	2318587	47.256	ng		99
84) Bis(2-ethylhexyl)phtha...	14.033	149	1674852	76.496	ng		99
85) Di-n-octyl phthalate	14.645	149	2482189	76.312	ng		100
87) Indeno(1,2,3-cd)pyrene	17.003	276	2580230	45.366	ng		99
88) Benzo(b)fluoranthene	15.092	252	2341140	45.503	ng		99
89) Benzo(k)fluoranthene	15.121	252	2252598	44.675	ng		99
90) Benzo(a)pyrene	15.462	252	2165600	48.995	ng		99
91) Dibenzo(a,h)anthracene	17.027	278	2074349	44.434	ng		99
92) Benzo(g,h,i)perylene	17.450	276	1960561	40.595	ng		97

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

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