Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG042924\
Data File : BG061055.D
Acq On : 29 Apr 2024 20:32
Operator : MA/JU
Sample : P2230-01MSD
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SOILMSD

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 04/30/2024
Supervised By :mohammad ahmed 05/03/2024

Quant Time: Apr 30 01:23:19 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG042024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 22 04:22:00 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.941	152	22565	20.000	ng		0.00
21) Naphthalene-d8	10.737	136	95442	20.000	ng	#	0.00
39) Acenaphthene-d10	14.568	164	84564	20.000	ng		0.00
64) Phenanthrene-d10	17.318	188	211507	20.000	ng		0.00
76) Chrysene-d12	21.578	240	208491	20.000	ng		0.00
86) Perylene-d12	24.698	264	247153	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.532	112	148445	133.068	ng		0.00
7) Phenol-d6	7.118	99	193481	116.894	ng		0.00
23) Nitrobenzene-d5	9.098	82	157112	73.960	ng		0.00
42) 2,4,6-Tribromophenol	16.061	330	224323	120.801	ng		0.00
45) 2-Fluorobiphenyl	13.193	172	494718	80.968	ng		0.00
79) Terphenyl-d14	19.938	244	1071249	79.755	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.452	88	13783	35.700	ng	#	20
3) Pyridine	3.846	79	29519	24.735	ng		93
4) n-Nitrosodimethylamine	3.752	42	46368	43.199	ng	#	100
6) Aniline	7.265	93	28104	14.127	ng		97
8) 2-Chlorophenol	7.512	128	62139	44.705	ng		96
9) Benzaldehyde	7.071	77	2132	2.504	ng	#	73
10) Phenol	7.142	94	69000	41.959	ng		97
11) bis(2-Chloroethyl)ether	7.365	93	46939	39.896	ng		97
12) 1,3-Dichlorobenzene	7.829	146	62591	40.606	ng		98
13) 1,4-Dichlorobenzene	7.976	146	66575	41.931	ng		97
14) 1,2-Dichlorobenzene	8.293	146	64450	41.535	ng		96
15) Benzyl Alcohol	8.182	79	71620	45.829	ng		98
16) 2,2'-oxybis(1-Chloropr...	8.458	45	112479	43.917	ng		99
17) 2-Methylphenol	8.387	107	55217	41.585	ng		97
18) Hexachloroethane	9.022	117	23646	41.331	ng		98
19) n-Nitroso-di-n-propyla...	8.746	70	52453	42.523	ng		98
20) 3+4-Methylphenols	8.716	107	78401	42.219	ng		97
22) Acetophenone	8.757	105	105739	39.676	ng	#	99
24) Nitrobenzene	9.139	77	78548	38.480	ng		96
25) Isophorone	9.662	82	147999	41.630	ng		98
26) 2-Nitrophenol	9.850	139	39867	41.556	ng		97
27) 2,4-Dimethylphenol	9.915	122	53815	34.997	ng		97
28) bis(2-Chloroethoxy)met...	10.144	93	76820	41.077	ng		94
29) 2,4-Dichlorophenol	10.385	162	76123	42.893	ng		98
30) 1,2,4-Trichlorobenzene	10.602	180	82896	42.334	ng		94
31) Naphthalene	10.790	128	209793	40.150	ng		99
32) Benzoic acid	10.068	122	50395	43.013	ng	#	89
34) Hexachlorobutadiene	11.072	225	70198	40.764	ng		94
35) Caprolactam	11.742	113	22283m	39.419	ng		
36) 4-Chloro-3-methylphenol	12.030	107	91973	44.434	ng		93
37) 2-Methylnaphthalene	12.394	142	167794	40.842	ng		98
38) 1-Methylnaphthalene	12.612	142	155473	40.553	ng		98
40) 1,2,4,5-Tetrachloroben...	12.765	216	132849	44.207	ng		99
41) Hexachlorocyclopentadiene	12.747	237	145424	82.241	ng		97
43) 2,4,6-Trichlorophenol	13.005	196	90219	45.670	ng		99
44) 2,4,5-Trichlorophenol	13.082	196	99390	42.533	ng		95

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	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
46)	1,1'-Biphenyl	13.405	154	248768	43.673	ng		98
47)	2-Chloronaphthalene	13.446	162	191775	43.910	ng		98
48)	2-Nitroaniline	13.646	65	73275	41.571	ng		96
49)	Acenaphthylene	14.292	152	324663	44.139	ng		99
50)	Dimethylphthalate	14.028	163	301841	43.286	ng		99
51)	2,6-Dinitrotoluene	14.145	165	60783	41.775	ng		98
52)	Acenaphthene	14.633	154	182370	40.804	ng		95
53)	3-Nitroaniline	14.474	138	21769	15.173	ng	#	97
54)	2,4-Dinitrophenol	14.686	184	93540	97.380	ng		96
55)	Dibenzofuran	14.974	168	322921	41.841	ng		98
56)	4-Nitrophenol	14.803	139	87683	85.307	ng		99
57)	2,4-Dinitrotoluene	14.938	165	92445	44.115	ng	#	95
58)	Fluorene	15.620	166	274262	42.102	ng		99
59)	2,3,4,6-Tetrachlorophenol	15.203	232	129784	55.029	ng	#	99
60)	Diethylphthalate	15.397	149	292455	42.587	ng		97
61)	4-Chlorophenyl-phenyle...	15.614	204	162578	40.467	ng		98
62)	4-Nitroaniline	15.644	138	52218	33.754	ng		96
63)	Azobenzene	15.908	77	232341	41.596	ng		98
65)	4,6-Dinitro-2-methylph...	15.702	198	63036	48.267	ng		97
66)	n-Nitrosodiphenylamine	15.832	169	253238	43.458	ng		97
67)	4-Bromophenyl-phenylether	16.507	248	122024	43.715	ng		99
68)	Hexachlorobenzene	16.625	284	145886	47.315	ng		98
69)	Atrazine	16.783	200	101303	46.450	ng		95
70)	Pentachlorophenol	16.983	266	905558	447.900	ng		97
71)	Phenanthrene	17.365	178	467518	43.305	ng		99
72)	Anthracene	17.453	178	466802	41.983	ng		97
73)	Carbazole	17.723	167	399604	43.274	ng		99
74)	Di-n-butylphthalate	18.287	149	480330	42.843	ng		99
75)	Fluoranthene	19.374	202	598461	41.769	ng		99
78)	Pyrene	19.733	202	612356	43.136	ng		99
80)	Butylbenzylphthalate	20.632	149	204591	43.239	ng		98
81)	Benzo(a)anthracene	21.560	228	653843	44.606	ng		99
82)	3,3'-Dichlorobenzidine	21.472	252	62977	11.888	ng	#	99
83)	Chrysene	21.625	228	614845	44.057	ng		100
84)	Bis(2-ethylhexyl)phtha...	21.478	149	296224	43.061	ng		100
85)	Di-n-octyl phthalate	22.665	149	499872	43.767	ng		100
87)	Indeno(1,2,3-cd)pyrene	28.246	276	818834	47.759	ng	#	98
88)	Benzo(b)fluoranthene	23.716	252	650845	46.469	ng		98
89)	Benzo(k)fluoranthene	23.781	252	636248	45.000	ng		99
90)	Benzo(a)pyrene	24.557	252	593909	43.809	ng		99
91)	Dibenzo(a,h)anthracene	28.311	278	660691	47.166	ng		100
92)	Benzo(g,h,i)perylene	29.357	276	620903	44.705	ng		97

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

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