

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG042424\
 Data File : BG061027.D
 Acq On : 24 Apr 2024 16:06
 Operator : MA/JU
 Sample : P2228-01MSD
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 EXCAVATION-SOILMSD

Quant Time: Apr 24 17:04:24 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

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 04/26/2024
 Supervised By :mohammad ahmed 04/27/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.948	152	27933	20.000	ng	0.00
21) Naphthalene-d8	10.738	136	121901	20.000	ng	# 0.00
39) Acenaphthene-d10	14.575	164	83358	20.000	ng	0.00
64) Phenanthrene-d10	17.325	188	191612	20.000	ng	0.00
76) Chrysene-d12	21.590	240	210503	20.000	ng	0.01
86) Perylene-d12	24.716	264	248725	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.539	112	177683	128.668	ng	0.01
7) Phenol-d6	7.119	99	223805	109.229	ng	0.01
23) Nitrobenzene-d5	9.099	82	177596	65.457	ng	0.00
42) 2,4,6-Tribromophenol	16.067	330	187246	102.293	ng	0.00
45) 2-Fluorobiphenyl	13.194	172	411050	68.248	ng	0.00
79) Terphenyl-d14	19.939	244	809543	59.695	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.453	88	17604	36.834	ng	98
3) Pyridine	3.841	79	47021	31.829	ng	91
4) n-Nitrosodimethylamine	3.758	42	54425	40.962	ng	97
6) Aniline	7.272	93	58776	23.868	ng	97
8) 2-Chlorophenol	7.513	128	77120	44.820	ng	98
9) Benzaldehyde	7.078	77	3011	2.857	ng	89
10) Phenol	7.149	94	91691	45.042	ng	95
11) bis(2-Chloroethyl)ether	7.366	93	99330	68.201	ng	94
12) 1,3-Dichlorobenzene	7.836	146	86232	45.192	ng	97
13) 1,4-Dichlorobenzene	7.983	146	87794	44.669	ng	99
14) 1,2-Dichlorobenzene	8.300	146	96969	50.483	ng	90
15) Benzyl Alcohol	8.183	79	84747	43.807	ng	97
16) 2,2'-oxybis(1-Chloropr...	8.465	45	143667	45.314	ng	98
17) 2-Methylphenol	8.388	107	69495	42.280	ng	96
18) Hexachloroethane	9.029	117	36450	51.468	ng	92
19) n-Nitroso-di-n-propyla...	8.747	70	62813	41.136	ng	98
20) 3+4-Methylphenols	8.717	107	97168	42.270	ng	94
22) Acetophenone	8.764	105	135202	39.720	ng	# 98
24) Nitrobenzene	9.146	77	100426	38.520	ng	98
25) Isophorone	9.663	82	172335	37.954	ng	99
26) 2-Nitrophenol	9.851	139	51964	42.408	ng	96
27) 2,4-Dimethylphenol	9.916	122	63380	32.271	ng	96
28) bis(2-Chloroethoxy)met...	10.145	93	93281	39.053	ng	94
29) 2,4-Dichlorophenol	10.392	162	95128	41.967	ng	98
30) 1,2,4-Trichlorobenzene	10.603	180	113127	45.233	ng	97
31) Naphthalene	10.791	128	276586	41.444	ng	99
32) Benzoic acid	10.063	122	62047m	41.463	ng	
33) 4-Chloroaniline	10.897	127	66277	21.862	ng	97
34) Hexachlorobutadiene	11.079	225	98746	44.895	ng	95
35) Caprolactam	11.679	113	24852m	34.421	ng	
36) 4-Chloro-3-methylphenol	12.025	107	100787	38.124	ng	94
37) 2-Methylnaphthalene	12.395	142	186382	35.520	ng	97
38) 1-Methylnaphthalene	12.619	142	171703	35.065	ng	96
40) 1,2,4,5-Tetrachloroben...	12.765	216	146341	49.401	ng	99
41) Hexachlorocyclopentadiene	12.748	237	60584	34.758	ng	95
43) 2,4,6-Trichlorophenol	13.006	196	87527	44.948	ng	96

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44) 2,4,5-Trichlorophenol	13.089	196	93430	40.561	ng	97
46) 1,1'-Biphenyl	13.406	154	255136	45.439	ng	96
47) 2-Chloronaphthalene	13.447	162	198460	46.098	ng	97
48) 2-Nitroaniline	13.647	65	67916	39.088	ng	96
49) Acenaphthylene	14.299	152	329750	45.479	ng	99
50) Dimethylphthalate	14.029	163	276589	40.238	ng	100
51) 2,6-Dinitrotoluene	14.146	165	58006	40.443	ng	96
52) Acenaphthene	14.640	154	198394	45.032	ng	97
53) 3-Nitroaniline	14.475	138	45340	32.059	ng	96
54) 2,4-Dinitrophenol	14.687	184	34653	40.071	ng	98
55) Dibenzofuran	14.975	168	328114	43.129	ng	97
56) 4-Nitrophenol	14.798	139	84758	83.654	ng	97
57) 2,4-Dinitrotoluene	14.939	165	81352	39.383	ng	99
58) Fluorene	15.627	166	289526	45.089	ng	100
59) 2,3,4,6-Tetrachlorophenol	15.204	232	95580	41.113	ng	99
60) Diethylphthalate	15.398	149	262790	38.820	ng	98
61) 4-Chlorophenyl-phenyle...	15.621	204	156710	39.571	ng	97
62) 4-Nitroaniline	15.639	138	51339	33.666	ng	97
63) Azobenzene	15.915	77	213155	38.713	ng	98
65) 4,6-Dinitro-2-methylph...	15.703	198	28890	24.418	ng	99
66) n-Nitrosodiphenylamine	15.832	169	235766	44.661	ng	100
67) 4-Bromophenyl-phenylether	16.514	248	112478	44.479	ng	96
68) Hexachlorobenzene	16.632	284	136561	48.890	ng	98
69) Atrazine	16.784	200	98962	50.088	ng	97
70) Pentachlorophenol	16.978	266	172238	94.036	ng	97
71) Phenanthrene	17.366	178	858045	87.730	ng	99
72) Anthracene	17.460	178	587981	58.372	ng	99
73) Carbazole	17.724	167	424017	50.685	ng	99
74) Di-n-butylphthalate	18.294	149	417411	41.097	ng	100
75) Fluoranthene	19.381	202	1497424	115.364	ng	97
77) Benzidine	19.558	184	236958	60.752	ng	100
78) Pyrene	19.746	202	1365300	95.255	ng	99
80) Butylbenzylphthalate	20.639	149	191134	40.009	ng	97
81) Benzo(a)anthracene	21.573	228	1088328	73.538	ng	97
82) 3,3'-Dichlorobenzidine	21.485	252	206091	38.532	ng	97
83) Chrysene	21.637	228	979308	69.502	ng	98
84) Bis(2-ethylhexyl)phtha...	21.491	149	285593	41.119	ng	100
85) Di-n-octyl phthalate	22.677	149	484622	42.026	ng	97
87) Indeno(1,2,3-cd)pyrene	28.265	276	791445	45.870	ng	# 69
88) Benzo(b)fluoranthene	23.735	252	976149	69.255	ng	100
89) Benzo(k)fluoranthene	23.800	252	827168	58.133	ng	97
90) Benzo(a)pyrene	24.575	252	866293	63.497	ng	99
91) Dibenzo(a,h)anthracene	28.335	278	563011	39.939	ng	98
92) Benzo(g,h,i)perylene	29.375	276	546200m	39.077	ng	

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

