

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG090524\
 Data File : BG062662.D
 Acq On : 5 Sep 2024 11:50
 Operator : MA/JU
 Sample : P3390-03
 Misc : MDL-SOIL-8 ng
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 MDL-SOIL-03-QT3-2024

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 09/06/2024
 Supervised By :mohammad ahmed 09/07/2024

Quant Time: Sep 05 12:57:41 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG083024.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Aug 31 02:36:01 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.918	152	52287	20.000	ng	0.00
21) Naphthalene-d8	10.715	136	221555	20.000	ng	0.00
39) Acenaphthene-d10	14.546	164	178468	20.000	ng	0.00
64) Phenanthrene-d10	17.290	188	482507	20.000	ng	0.00
76) Chrysene-d12	21.532	240	523978	20.000	ng	0.00
86) Perylene-d12	24.605	264	581797	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	380621	125.828	ng	0.00
7) Phenol-d6	7.084	99	538297	123.182	ng	0.00
23) Nitrobenzene-d5	9.076	82	383150	93.137	ng	0.00
42) 2,4,6-Tribromophenol	16.032	330	370564	147.541	ng	0.00
45) 2-Fluorobiphenyl	13.171	172	1032183	93.682	ng	0.00
79) Terphenyl-d14	19.910	244	2170735	82.145	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.412	88	11145	8.844	ng	95
3) Pyridine	3.805	79	29172	8.035	ng	96
4) n-Nitrosodimethylamine	3.717	42	14497	8.213	ng	# 86
6) Aniline	7.248	93	40173	9.840	ng	94
8) 2-Chlorophenol	7.483	128	27555	8.485	ng	95
9) Benzaldehyde	7.060	77	26944	10.600	ng	92
10) Phenol	7.113	94	36967	8.356	ng	97
11) bis(2-Chloroethyl)ether	7.342	93	28483	8.409	ng	98
12) 1,3-Dichlorobenzene	7.813	146	29671	8.326	ng	97
13) 1,4-Dichlorobenzene	7.954	146	30583	8.339	ng	93
14) 1,2-Dichlorobenzene	8.271	146	29709	8.241	ng	92
15) Benzyl Alcohol	8.153	79	26624	8.234	ng	94
16) 2,2'-oxybis(1-Chloropr...	8.435	45	51039	7.906	ng	99
17) 2-Methylphenol	8.359	107	23318	7.562	ng	93
18) Hexachloroethane	9.005	117	10814	7.863	ng	91
19) n-Nitroso-di-n-propyla...	8.717	70	26191	7.606	ng	95
20) 3+4-Methylphenols	8.682	107	31896	7.011	ng	98
22) Acetophenone	8.735	105	47794	7.996	ng	# 97
24) Nitrobenzene	9.117	77	36839	8.422	ng	98
25) Isophorone	9.634	82	70665	7.825	ng	99
26) 2-Nitrophenol	9.828	139	14157	8.566	ng	92
27) 2,4-Dimethylphenol	9.887	122	17320	7.152	ng	96
28) bis(2-Chloroethoxy)met...	10.122	93	40482	8.374	ng	96
29) 2,4-Dichlorophenol	10.362	162	28913	8.539	ng	99
30) 1,2,4-Trichlorobenzene	10.580	180	35772	8.912	ng	99
31) Naphthalene	10.762	128	98049	8.929	ng	97
32) Benzoic acid	9.951	122	14471m	5.556	ng	
33) 4-Chloroaniline	10.868	127	37262	8.622	ng	98
34) Hexachlorobutadiene	11.056	225	23634	8.431	ng	90
35) Caprolactam	11.614	113	10516	8.056	ng	# 87
36) 4-Chloro-3-methylphenol	11.990	107	31810	7.789	ng	90
37) 2-Methylnaphthalene	12.372	142	69914	8.208	ng	98
38) 1-Methylnaphthalene	12.589	142	67033	7.838	ng	91
40) 1,2,4,5-Tetrachloroben...	12.736	216	48129	8.967	ng	97
41) Hexachlorocyclopentadiene	12.719	237	13697	8.945	ng	89
43) 2,4,6-Trichlorophenol	12.977	196	28256	8.305	ng	98

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44) 2,4,5-Trichlorophenol	13.048	196	32864	8.529	ng	94
46) 1,1'-Biphenyl	13.377	154	106268	8.925	ng	96
47) 2-Chloronaphthalene	13.424	162	83920	8.697	ng	97
48) 2-Nitroaniline	13.617	65	21231	8.365	ng	94
49) Acenaphthylene	14.264	152	132675	9.285	ng	96
50) Dimethylphthalate	13.993	163	114660	8.786	ng	99
51) 2,6-Dinitrotoluene	14.111	165	20743	8.403	ng	93
52) Acenaphthene	14.610	154	76855	8.604	ng	95
53) 3-Nitroaniline	14.446	138	20425	8.552	ng	97
54) 2,4-Dinitrophenol	14.652	184	6851	4.946	ng	93
55) Dibenzofuran	14.945	168	138747	9.057	ng	96
56) 4-Nitrophenol	14.751	139	16277	8.041	ng	95
57) 2,4-Dinitrotoluene	14.898	165	29627	8.797	ng	99
58) Fluorene	15.592	166	106636	8.869	ng	98
59) 2,3,4,6-Tetrachlorophenol	15.169	232	34006m	9.316	ng	
60) Diethylphthalate	15.362	149	110934	8.577	ng	99
61) 4-Chlorophenyl-phenyle...	15.586	204	63620	9.217	ng	92
62) 4-Nitroaniline	15.598	138	22897	8.694	ng	94
63) Azobenzene	15.880	77	106072	8.734	ng	97
65) 4,6-Dinitro-2-methylph...	15.668	198	15073	7.000	ng	93
66) n-Nitrosodiphenylamine	15.797	169	100266	8.643	ng	99
67) 4-Bromophenyl-phenylether	16.479	248	43952	8.826	ng	95
68) Hexachlorobenzene	16.596	284	51597	8.749	ng	95
69) Atrazine	16.743	200	42916	10.892	ng	94
70) Pentachlorophenol	16.943	266	23533m	6.230	ng	
71) Phenanthrene	17.331	178	206673	9.177	ng	99
72) Anthracene	17.419	178	202006	9.123	ng	98
73) Carbazole	17.689	167	179388	8.812	ng	99
74) Di-n-butylphthalate	18.253	149	189309	8.246	ng	99
75) Fluoranthene	19.340	202	257458	9.039	ng	97
77) Benzidine	19.522	184	100887	10.683	ng	98
78) Pyrene	19.704	202	280740	8.429	ng	98
80) Butylbenzylphthalate	20.598	149	72288	7.389	ng	98
81) Benzo(a)anthracene	21.514	228	287505	8.700	ng	98
82) 3,3'-Dichlorobenzidine	21.438	252	95385	8.860	ng	98
83) Chrysene	21.579	228	281612	8.896	ng	98
84) Bis(2-ethylhexyl)phtha...	21.438	149	111392	7.495	ng	# 96
85) Di-n-octyl phthalate	22.595	149	187545	7.207	ng	100
87) Indeno(1,2,3-cd)pyrene	28.065	276	332150	8.903	ng	# 92
88) Benzo(b)fluoranthene	23.629	252	275043	8.559	ng	99
89) Benzo(k)fluoranthene	23.694	252	274117	8.720	ng	98
90) Benzo(a)pyrene	24.452	252	251194	8.848	ng	99
91) Dibenzo(a,h)anthracene	28.118	278	274607	8.936	ng	97
92) Benzo(g,h,i)perylene	29.140	276	259388	8.370	ng	# 94

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

