

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP092324\
 Data File : BP021978.D
 Acq On : 23 Sep 2024 11:50
 Operator : RC/JU
 Sample : P2403-03
 Misc : MDL-MDL-SOIL-4 PPM
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 MDL-SOIL-03-QT2-2024

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 09/25/2024
 Supervised By :mohammad ahmed 09/25/2024

Quant Time: Sep 23 12:20:55 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP091924.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Sep 20 01:22:00 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.710	152	82616	20.000	ng	0.00
21) Naphthalene-d8	10.475	136	318886	20.000	ng	0.00
39) Acenaphthene-d10	14.334	164	259790	20.000	ng	0.00
64) Phenanthrene-d10	17.122	188	676864	20.000	ng	-0.02
76) Chrysene-d12	21.551	240	900175	20.000	ng	-0.01
86) Perylene-d12	24.845	264	1128695	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.328	112	463621	105.460	ng	0.00
7) Phenol-d6	6.893	99	599683	105.078	ng	0.00
23) Nitrobenzene-d5	8.851	82	459840	76.302	ng	0.00
42) 2,4,6-Tribromophenol	15.839	330	593824	123.297	ng	-0.02
45) 2-Fluorobiphenyl	12.939	172	1284547	72.179	ng	0.00
79) Terphenyl-d14	19.845	244	2947256	61.503	ng	-0.01
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.258	88	6286	3.444	ng	# 90
3) Pyridine	3.663	79	14328	2.943	ng	# 88
4) n-Nitrosodimethylamine	3.563	42	10715	4.172	ng	# 93
6) Aniline	7.052	93	20947	4.177	ng	95
8) 2-Chlorophenol	7.281	128	16826	3.579	ng	91
9) Benzaldehyde	6.863	77	15464m	5.182	ng	
10) Phenol	6.916	94	19116	3.372	ng	83
11) bis(2-Chloroethyl)ether	7.140	93	15461	3.621	ng	96
12) 1,3-Dichlorobenzene	7.599	146	20607	3.472	ng	91
13) 1,4-Dichlorobenzene	7.746	146	22088	3.670	ng	96
14) 1,2-Dichlorobenzene	8.057	146	20621	3.570	ng	97
15) Benzyl Alcohol	7.946	79	15314	3.499	ng	# 90
16) 2,2'-oxybis(1-Chloropr...	8.228	45	16902	3.711	ng	99
17) 2-Methylphenol	8.151	107	12134	3.169	ng	96
18) Hexachloroethane	8.775	117	7296	3.297	ng	94
19) n-Nitroso-di-n-propyla...	8.504	70	13289	3.746	ng	99
20) 3+4-Methylphenols	8.469	107	16392	3.032	ng	89
22) Acetophenone	8.522	105	27965	3.595	ng	95
24) Nitrobenzene	8.893	77	21365	3.491	ng	95
25) Isophorone	9.416	82	34042	3.426	ng	# 94
26) 2-Nitrophenol	9.598	139	8083	3.021	ng	95
27) 2,4-Dimethylphenol	9.657	122	8078	2.607	ng	95
28) bis(2-Chloroethoxy)met...	9.893	93	19916	3.343	ng	98
29) 2,4-Dichlorophenol	10.134	162	16213	3.083	ng	93
30) 1,2,4-Trichlorobenzene	10.334	180	22423	3.423	ng	97
31) Naphthalene	10.528	128	54503	3.425	ng	99
32) Benzoic acid	9.722	122	7904m	2.182	ng	
33) 4-Chloroaniline	10.634	127	21111	3.678	ng	98
34) Hexachlorobutadiene	10.816	225	17450	3.405	ng	90
35) Caprolactam	11.404	113	4455	2.846	ng	94
36) 4-Chloro-3-methylphenol	11.757	107	16727	2.964	ng	# 87
37) 2-Methylnaphthalene	12.134	142	39481	3.391	ng	96
38) 1-Methylnaphthalene	12.345	142	37615	3.273	ng	94
40) 1,2,4,5-Tetrachloroben...	12.510	216	29690	3.267	ng	98
41) Hexachlorocyclopentadiene	12.492	237	8038	2.380	ng	92
43) 2,4,6-Trichlorophenol	12.751	196	15977	2.864	ng	97

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44) 2,4,5-Trichlorophenol	12.828	196	17941	2.867	ng	97
46) 1,1'-Biphenyl	13.151	154	60975	3.442	ng	99
47) 2-Chloronaphthalene	13.198	162	46318	3.234	ng	95
48) 2-Nitroaniline	13.398	65	10709	2.738	ng	98
49) Acenaphthylene	14.051	152	69935	3.460	ng	99
50) Dimethylphthalate	13.775	163	61732	3.276	ng	97
51) 2,6-Dinitrotoluene	13.904	165	11383	2.711	ng	92
52) Acenaphthene	14.398	154	43527	3.309	ng	98
53) 3-Nitroaniline	14.239	138	10246	2.738	ng	# 92
54) 2,4-Dinitrophenol	14.439	184	5834	2.372	ng	97
55) Dibenzofuran	14.733	168	77086	3.487	ng	98
56) 4-Nitrophenol	14.569	139	8051	2.472	ng	91
57) 2,4-Dinitrotoluene	14.698	165	16740	2.820	ng	93
58) Fluorene	15.392	166	60905	3.299	ng	100
59) 2,3,4,6-Tetrachlorophenol	14.969	232	18754	3.105	ng	# 99
60) Diethylphthalate	15.175	149	62606	3.270	ng	97
61) 4-Chlorophenyl-phenyle...	15.392	204	36460	3.392	ng	96
62) 4-Nitroaniline	15.410	138	10916	2.653	ng	97
63) Azobenzene	15.692	77	52374	3.305	ng	95
65) 4,6-Dinitro-2-methylph...	15.469	198	9833	2.506	ng	89
66) n-Nitrosodiphenylamine	15.616	169	52236	3.099	ng	98
67) 4-Bromophenyl-phenylether	16.304	248	25312	3.208	ng	95
68) Hexachlorobenzene	16.416	284	32829	3.337	ng	98
69) Atrazine	16.586	200	23176	3.838	ng	98
70) Pentachlorophenol	16.769	266	17306	2.615	ng	89
71) Phenanthrene	17.163	178	107054	3.295	ng	98
72) Anthracene	17.263	178	98491	3.131	ng	99
73) Carbazole	17.533	167	96781	3.186	ng	98
74) Di-n-butylphthalate	18.133	149	103080	2.889	ng	98
75) Fluoranthene	19.251	202	144711	3.191	ng	98
77) Benzidine	19.451	184	45708	4.155	ng	98
78) Pyrene	19.621	202	153307	2.815	ng	99
80) Butylbenzylphthalate	20.580	149	49911	2.570	ng	96
81) Benzo(a)anthracene	21.527	228	187609	3.243	ng	99
82) 3,3'-Dichlorobenzidine	21.457	252	60507	2.883	ng	97
83) Chrysene	21.598	228	179390	3.294	ng	100
84) Bis(2-ethylhexyl)phtha...	21.474	149	74210	2.603	ng	98
85) Di-n-octyl phthalate	22.739	149	122452	2.529	ng	99
87) Indeno(1,2,3-cd)pyrene	28.574	276	267647m	3.565	ng	
88) Benzo(b)fluoranthene	23.798	252	202207	3.029	ng	99
89) Benzo(k)fluoranthene	23.862	252	204814	3.242	ng	99
90) Benzo(a)pyrene	24.680	252	184610	3.210	ng	97
91) Dibenzo(a,h)anthracene	28.662	278	219652	3.545	ng	97
92) Benzo(g,h,i)perylene	29.744	276	212406	3.347	ng	96

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

