

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081324\
 Data File : BM047170.D
 Acq On : 13 Aug 2024 11:02
 Operator : RC/JU
 Sample : P3390-03
 Misc : MDL-MDL-SOIL-4NG
 ALS Vial : 5 Sample Multiplier: 1

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

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 08/14/2024
 Supervised By :mohammad ahmed 08/14/2024

Quant Time: Aug 13 12:39:19 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM081024.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sun Aug 11 23:47:58 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.369	152	182499	20.000	ng	0.00
21) Naphthalene-d8	10.128	136	787140	20.000	ng	0.00
39) Acenaphthene-d10	14.027	164	510539	20.000	ng	0.00
64) Phenanthrene-d10	16.792	188	1115889	20.000	ng	0.00
76) Chrysene-d12	21.027	240	1090704	20.000	ng	0.00
86) Perylene-d12	23.721	264	1358635	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.022	112	1305970	127.867	ng	0.00
7) Phenol-d6	6.581	99	1777709	126.318	ng	0.00
23) Nitrobenzene-d5	8.516	82	1352145	86.497	ng	0.00
42) 2,4,6-Tribromophenol	15.539	330	775824	131.056	ng	0.00
45) 2-Fluorobiphenyl	12.639	172	2646970	79.975	ng	0.00
79) Terphenyl-d14	19.456	244	4293965	84.358	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.034	88	19970	4.719	ng	95
3) Pyridine	3.422	79	48983	3.947	ng	# 94
4) n-Nitrosodimethylamine	3.334	42	22821	4.209	ng	# 89
6) Aniline	6.722	93	69546	5.228	ng	99
8) 2-Chlorophenol	6.945	128	48496	4.353	ng	95
9) Benzaldehyde	6.534	77	49047m	4.477	ng	
10) Phenol	6.604	94	57477	4.093	ng	86
11) bis(2-Chloroethyl)ether	6.822	93	53216	4.425	ng	95
12) 1,3-Dichlorobenzene	7.257	146	56194	4.245	ng	97
13) 1,4-Dichlorobenzene	7.404	146	56357	4.205	ng	94
14) 1,2-Dichlorobenzene	7.716	146	54561	4.315	ng	99
15) Benzyl Alcohol	7.622	79	39231	3.917	ng	97
16) 2,2'-oxybis(1-Chloropr...	7.892	45	75425	4.888	ng	97
17) 2-Methylphenol	7.828	107	38936	4.156	ng	94
18) Hexachloroethane	8.422	117	22552	4.344	ng	# 83
19) n-Nitroso-di-n-propyla...	8.181	70	44155	4.658	ng	95
20) 3+4-Methylphenols	8.157	107	52060	3.975	ng	97
22) Acetophenone	8.192	105	85472	4.498	ng	# 95
24) Nitrobenzene	8.557	77	66074	4.198	ng	95
25) Isophorone	9.086	82	110590	4.063	ng	99
26) 2-Nitrophenol	9.263	139	21737	3.118	ng	# 90
27) 2,4-Dimethylphenol	9.339	122	29623	3.628	ng	93
28) bis(2-Chloroethoxy)met...	9.575	93	70635	4.124	ng	98
29) 2,4-Dichlorophenol	9.798	162	41719	3.443	ng	95
30) 1,2,4-Trichlorobenzene	9.998	180	51151	3.730	ng	97
31) Naphthalene	10.175	128	166201	4.238	ng	99
32) Benzoic acid	9.428	122	24180m	2.549	ng	
33) 4-Chloroaniline	10.304	127	62217	4.126	ng	100
34) Hexachlorobutadiene	10.463	225	27240	3.394	ng	95
35) Caprolactam	11.086	113	13428	3.191	ng	# 85
36) 4-Chloro-3-methylphenol	11.445	107	45957	3.562	ng	94
37) 2-Methylnaphthalene	11.804	142	111009	3.976	ng	98
38) 1-Methylnaphthalene	12.027	142	107209	3.885	ng	96
40) 1,2,4,5-Tetrachloroben...	12.180	216	51229	3.679	ng	# 98
41) Hexachlorocyclopentadiene	12.163	237	18315	3.767	ng	88
43) 2,4,6-Trichlorophenol	12.445	196	32137	3.247	ng	96

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44) 2,4,5-Trichlorophenol	12.522	196	34248	3.116	ng	96
46) 1,1'-Biphenyl	12.851	154	159606	4.391	ng	99
47) 2-Chloronaphthalene	12.886	162	118012	4.154	ng	97
48) 2-Nitroaniline	13.110	65	31291	3.516	ng	# 84
49) Acenaphthylene	13.745	152	188284	4.496	ng	100
50) Dimethylphthalate	13.504	163	146278	4.102	ng	99
51) 2,6-Dinitrotoluene	13.621	165	27823	3.338	ng	91
52) Acenaphthene	14.092	154	111099	4.183	ng	96
53) 3-Nitroaniline	13.957	138	28469	3.409	ng	# 84
54) 2,4-Dinitrophenol	14.174	184	9367	1.875	ng	97
55) Dibenzofuran	14.433	168	184354	4.394	ng	97
56) 4-Nitrophenol	14.298	139	20948	2.909	ng	91
57) 2,4-Dinitrotoluene	14.421	165	35624	3.202	ng	# 70
58) Fluorene	15.092	166	145123	4.192	ng	98
59) 2,3,4,6-Tetrachlorophenol	14.674	232	32170	3.562	ng	91
60) Diethylphthalate	14.892	149	145081	3.984	ng	99
61) 4-Chlorophenyl-phenyle...	15.098	204	67429	4.091	ng	99
62) 4-Nitroaniline	15.127	138	27418	3.332	ng	94
63) Azobenzene	15.392	77	153047	4.433	ng	98
65) 4,6-Dinitro-2-methylph...	15.192	198	15529	2.377	ng	88
66) n-Nitrosodiphenylamine	15.315	169	121771	4.006	ng	97
67) 4-Bromophenyl-phenylether	15.992	248	37598	3.497	ng	92
68) Hexachlorobenzene	16.098	284	48639	3.777	ng	96
69) Atrazine	16.286	200	38087	4.164	ng	97
70) Pentachlorophenol	16.451	266	23461	2.599	ng	98
71) Phenanthrene	16.833	178	244898	4.373	ng	99
72) Anthracene	16.921	178	225516	4.139	ng	100
73) Carbazole	17.204	167	218839	3.933	ng	99
74) Di-n-butylphthalate	17.792	149	236591	3.655	ng	# 98
75) Fluoranthene	18.868	202	253799	3.726	ng	98
77) Benzidine	19.074	184	71948	3.890	ng	99
78) Pyrene	19.233	202	275824	3.542	ng	97
80) Butylbenzylphthalate	20.174	149	100391	3.159	ng	93
81) Benzo(a)anthracene	21.009	228	282431	3.901	ng	99
82) 3,3'-Dichlorobenzidine	20.956	252	85234	3.762	ng	97
83) Chrysene	21.068	228	273990	3.988	ng	99
84) Bis(2-ethylhexyl)phtha...	20.974	149	149049	3.307	ng	95
85) Di-n-octyl phthalate	22.003	149	229077	2.990	ng	# 96
87) Indeno(1,2,3-cd)pyrene	26.709	276	352379	4.013	ng	98
88) Benzo(b)fluoranthene	22.880	252	287423	3.562	ng	98
89) Benzo(k)fluoranthene	22.933	252	288710	3.788	ng	98
90) Benzo(a)pyrene	23.591	252	258453	3.698	ng	# 98
91) Dibenzo(a,h)anthracene	26.756	278	291958	4.108	ng	99
92) Benzo(g,h,i)perylene	27.626	276	289415	3.922	ng	98

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

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