

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM021224\
 Data File : BM044063.D
 Acq On : 12 Feb 2024 18:55
 Operator : MA/JU
 Sample : P1187-03
 Misc : MDL-MDL-SOIL-8PPM
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 MDL-SOIL-03-QT1-2024

Quant Time: Feb 13 00:48:26 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM020824.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Feb 09 02:42:01 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/14/2024
 Supervised By :mohammad ahmed 02/14/2024

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.904	152	577785	20.000	ng	0.00
21) Naphthalene-d8	10.710	136	2458831	20.000	ng	0.00
39) Acenaphthene-d10	14.551	164	1455035	20.000	ng	0.00
64) Phenanthrene-d10	17.298	188	2951678	20.000	ng	0.00
76) Chrysene-d12	21.497	240	2326356	20.000	ng	0.00
86) Perylene-d12	23.897	264	2402278	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.475	112	3237805	81.504	ng	0.00
7) Phenol-d6	7.075	99	4230619	83.700	ng	0.00
23) Nitrobenzene-d5	9.075	82	2863104	61.788	ng	0.00
42) 2,4,6-Tribromophenol	16.045	330	1358008	86.201	ng	0.00
45) 2-Fluorobiphenyl	13.174	172	6180583	59.949	ng	0.00
79) Terphenyl-d14	19.945	244	8097265	61.017	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.387	88	99556	6.315	ng	98
3) Pyridine	3.787	79	225066	5.407	ng	97
4) n-Nitrosodimethylamine	3.710	42	94678	5.995	ng	# 93
6) Aniline	7.240	93	355119	7.146	ng	99
8) 2-Chlorophenol	7.463	128	248654	5.994	ng	97
9) Benzaldehyde	7.051	77	224296m	8.635	ng	
10) Phenol	7.098	94	315580	6.186	ng	96
11) bis(2-Chloroethyl)ether	7.340	93	259035	6.132	ng	96
12) 1,3-Dichlorobenzene	7.792	146	272562	5.787	ng	96
13) 1,4-Dichlorobenzene	7.939	146	282489	5.950	ng	99
14) 1,2-Dichlorobenzene	8.257	146	268193	5.928	ng	97
15) Benzyl Alcohol	8.151	79	205650	6.249	ng	99
16) 2,2'-oxybis(1-Chloropr...	8.439	45	343822	6.420	ng	98
17) 2-Methylphenol	8.351	107	199936	5.971	ng	96
18) Hexachloroethane	8.975	117	103016	5.795	ng	97
19) n-Nitroso-di-n-propyla...	8.722	70	202257	6.517	ng	98
20) 3+4-Methylphenols	8.681	107	271871	5.899	ng	99
22) Acetophenone	8.734	105	402210	6.444	ng	# 97
24) Nitrobenzene	9.116	77	291837	6.150	ng	97
25) Isophorone	9.639	82	546016	6.120	ng	97
26) 2-Nitrophenol	9.822	139	116021	5.274	ng	97
27) 2,4-Dimethylphenol	9.886	122	192712	6.851	ng	99
28) bis(2-Chloroethoxy)met...	10.133	93	359871	6.236	ng	99
29) 2,4-Dichlorophenol	10.351	162	211920	5.722	ng	96
30) 1,2,4-Trichlorobenzene	10.569	180	241427	5.797	ng	98
31) Naphthalene	10.757	128	819979	6.042	ng	99
32) Benzoic acid	9.957	122	89697	3.165	ng	99
33) 4-Chloroaniline	10.875	127	327923	6.381	ng	98
34) Hexachlorobutadiene	11.033	225	132684	5.566	ng	96
35) Caprolactam	11.645	113	66311	5.564	ng	90
36) 4-Chloro-3-methylphenol	11.998	107	228909	5.708	ng	99
37) 2-Methylnaphthalene	12.369	142	544017	6.018	ng	98
38) 1-Methylnaphthalene	12.586	142	532458	5.995	ng	99
40) 1,2,4,5-Tetrachloroben...	12.733	216	259852	6.144	ng	99
41) Hexachlorocyclopentadiene	12.704	237	124528	6.747	ng	96
43) 2,4,6-Trichlorophenol	12.980	196	158140	5.494	ng	99

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44) 2,4,5-Trichlorophenol	13.045	196	171547	5.431	ng	96
46) 1,1'-Biphenyl	13.386	154	735072	6.402	ng	99
47) 2-Chloronaphthalene	13.427	162	540139	5.939	ng	99
48) 2-Nitroaniline	13.633	65	145854	5.701	ng	86
49) Acenaphthylene	14.268	152	894472	6.592	ng	100
50) Dimethylphthalate	14.016	163	675235	6.259	ng	100
51) 2,6-Dinitrotoluene	14.139	165	131693	5.533	ng	91
52) Acenaphthene	14.616	154	515887	6.143	ng	100
53) 3-Nitroaniline	14.463	138	142234	5.560	ng	92
54) 2,4-Dinitrophenol	14.668	184	46244	8.598	ng	93
55) Dibenzofuran	14.951	168	830689	6.391	ng	99
56) 4-Nitrophenol	14.763	139	100021	4.810	ng	90
57) 2,4-Dinitrotoluene	14.921	165	166219	5.343	ng	93
58) Fluorene	15.598	166	656259	6.534	ng	99
59) 2,3,4,6-Tetrachlorophenol	15.174	232	151274	6.103	ng	99
60) Diethylphthalate	15.380	149	671764	6.025	ng	98
61) 4-Chlorophenyl-phenyle...	15.598	204	313299	6.438	ng	97
62) 4-Nitroaniline	15.627	138	135872	5.277	ng	98
63) Azobenzene	15.892	77	656819	6.279	ng	97
65) 4,6-Dinitro-2-methylph...	15.680	198	73222	4.163	ng	95
66) n-Nitrosodiphenylamine	15.815	169	553186	6.169	ng	100
67) 4-Bromophenyl-phenylether	16.498	248	152791	5.236	ng	99
68) Hexachlorobenzene	16.592	284	208703	5.838	ng	97
69) Atrazine	16.774	200	179966	7.412	ng	98
70) Pentachlorophenol	16.945	266	103550	4.453	ng	98
71) Phenanthrene	17.345	178	984381	6.316	ng	99
72) Anthracene	17.433	178	957756	6.207	ng	100
73) Carbazole	17.709	167	898284	5.986	ng	100
74) Di-n-butylphthalate	18.286	149	1077337	5.523	ng	99
75) Fluoranthene	19.362	202	1033655	5.904	ng	99
77) Benzidine	19.562	184	370401	10.246	ng	98
78) Pyrene	19.727	202	1091075	6.090	ng	99
80) Butylbenzylphthalate	20.650	149	407300	5.114	ng	98
81) Benzo(a)anthracene	21.486	228	979322	6.052	ng	100
82) 3,3'-Dichlorobenzidine	21.427	252	315266	5.938	ng	99
83) Chrysene	21.539	228	920160	6.019	ng	99
84) Bis(2-ethylhexyl)phtha...	21.433	149	623242	5.304	ng	99
85) Di-n-octyl phthalate	22.374	149	914457	4.456	ng	98
87) Indeno(1,2,3-cd)pyrene	26.374	276	936564	5.508	ng	99
88) Benzo(b)fluoranthene	23.168	252	895116	5.961	ng	99
89) Benzo(k)fluoranthene	23.215	252	849673	5.955	ng	100
90) Benzo(a)pyrene	23.785	252	734197	5.597	ng	100
91) Dibenzo(a,h)anthracene	26.403	278	791348	5.564	ng	99
92) Benzo(g,h,i)perylene	27.132	276	756114	5.242	ng	99

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

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