

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN021424\
 Data File : BN029806.D
 Acq On : 15 Feb 2024 13:41
 Operator : MA/JU
 Sample : PB158823BS
 Misc :
 ALS Vial : 85 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 SLCS823

Quant Time: Feb 15 14:16:51 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-BN020724.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Feb 13 22:50:45 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/16/2024
 Supervised By :mohammad ahmed 02/17/2024

02/16/2024
 Supervised By :mohammad
 ahmed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.869	152	163972	20.000	ng/u1	0.00
20) Naphthalene-d8	10.663	136	677584	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.510	164	374036	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.269	188	771423	20.000	ng/u1	0.00
79) Chrysene-d12	21.469	240	653393	20.000	ng/u1	0.00
88) Perylene-d12	23.833	264	766088	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.317	96	27842	5.585	ng/uL	0.00
4) Pyridine-d5	3.728	84	375911	28.275	ng/u1	0.00
7) Phenol-d5	7.040	99	479601	31.270	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.211	67	301795	29.484	ng/u1	0.00
11) 2-Chlorophenol-d4	7.399	132	379447	34.141	ng/u1	0.00
15) 4-Methylphenol-d8	8.587	113	375797	32.855	ng/u1	0.00
21) Nitrobenzene-d5	9.034	128	185090	35.195	ng/u1	0.00
24) 2-Nitrophenol-d4	9.752	143	191473	41.805	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.287	165	332427	36.771	ng/u1	0.00
31) 4-Chloroaniline-d4	10.810	131	463442	30.048	ng/u1	0.00
46) Dimethylphthalate-d6	13.934	166	975390	35.026	ng/u1	0.00
49) Acenaphthylene-d8	14.204	160	1145291	34.632	ng/u1	0.00
54) 4-Nitrophenol-d4	14.728	143	192331	36.389	ng/u1	0.00
60) Fluorene-d10	15.510	176	817157	34.494	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.640	200	141928	37.759	ng/u1	0.00
73) Anthracene-d10	17.363	188	1246365	34.474	ng/u1	0.00
81) Pyrene-d10	19.663	212	1389183	35.429	ng/u1	0.00
92) Benzo(a)pyrene-d12	23.686	264	1345029	35.087	ng/u1	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.352	88	56319	10.907	ng/uL	97
5) Pyridine	3.746	79	395924	28.786	ng/u1	94
6) Benzaldehyde	7.016	77	244642	35.584	ng/u1	93
8) Phenol	7.069	94	506688	32.235	ng/u1	99
10) Bis(2-Chloroethyl)ether	7.305	93	412148	31.182	ng/u1	97
12) 2-Chlorophenol	7.428	128	403247	34.582	ng/u1	98
13) 2-Methylphenol	8.316	108	375091	33.068	ng/u1	99
14) 2,2'-oxybis(1-Chloropr...	8.399	45	489700	28.368	ng/u1	95
16) Acetophenone	8.699	105	600490	32.986	ng/u1	100
17) N-Nitroso-di-n-propyla...	8.687	70	324059	34.479	ng/u1	100
18) 4-Methylphenol	8.652	108	403430	33.658	ng/u1	92
19) Hexachloroethane	8.934	117	175274	32.391	ng/u1	95
22) Nitrobenzene	9.081	77	499166	33.500	ng/u1	99
23) Isophorone	9.605	82	895128	34.488	ng/u1	99
25) 2-Nitrophenol	9.787	139	210886	40.320	ng/u1	98
26) 2,4-Dimethylphenol	9.846	107	389384	31.064	ng/u1	96
27) Bis(2-Chloroethoxy)met...	10.093	93	534294	32.392	ng/u1	99
29) 2,4-Dichlorophenol	10.316	162	339285	36.320	ng/u1	97
30) Naphthalene	10.716	128	1258281	32.489	ng/u1	100
32) 4-Chloroaniline	10.834	127	400848	26.328	ng/u1	99
33) Hexachlorobutadiene	10.987	225	206304	35.784	ng/u1	93
34) Caprolactam	11.616	113	122480m	39.402	ng/u1	
35) 4-Chloro-3-methylphenol	11.963	107	418685	38.803	ng/u1	97
36) 2-Methylnaphthalene	12.334	142	823758	34.697	ng/u1	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.552	142	799571	33.970	ng/ul	100
39) 1,2,4,5-Tetrachloroben...	12.699	216	374643	33.791	ng/ul	98
40) Hexachlorocyclopentadiene	12.669	237	194206	26.798	ng/ul	94
41) 2,4,6-Trichlorophenol	12.946	196	239195	37.430	ng/ul	97
42) 2,4,5-Trichlorophenol	13.016	196	264670	36.860	ng/ul	97
43) 1,1'-Biphenyl	13.346	154	1035536	32.828	ng/ul	98
44) 2-Chloronaphthalene	13.387	162	815105	33.248	ng/ul	100
45) 2-Nitroaniline	13.604	65	281228	39.018	ng/ul	92
47) Dimethylphthalate	13.987	163	1026703	36.017	ng/ul	100
48) 2,6-Dinitrotoluene	14.110	165	206597	40.503	ng/ul	99
50) Acenaphthylene	14.234	152	1364784	34.387	ng/ul	99
51) 3-Nitroaniline	14.434	138	220165	37.086	ng/ul	95
52) Acenaphthene	14.575	153	883785	33.709	ng/ul	96
53) 2,4-Dinitrophenol	14.640	184	96007	37.088	ng/ul	97
55) 4-Nitrophenol	14.740	109	179935	37.231	ng/ul	97
56) Dibenzofuran	14.916	168	1149990	33.217	ng/ul	99
57) 2,4-Dinitrotoluene	14.893	165	303140	42.211	ng/ul	96
58) 2,3,4,6-Tetrachlorophenol	15.140	232	193845	38.038	ng/ul	99
59) Diethylphthalate	15.351	149	1097221	37.472	ng/ul	100
61) Fluorene	15.563	166	952101	34.791	ng/ul	99
62) 4-Chlorophenyl-phenyle...	15.563	204	441274	36.052	ng/ul	99
63) 4-Nitroaniline	15.598	138	238695	44.548	ng/ul	94
66) 4,6-Dinitro-2-methylph...	15.651	198	156000	37.645	ng/ul#	98
67) N-Nitrosodiphenylamine	15.781	169	834527	34.715	ng/ul	95
68) 4-Bromophenyl-phenylether	16.463	248	268775	36.811	ng/ul	90
69) Hexachlorobenzene	16.563	284	301540	36.639	ng/ul	95
70) Atrazine	16.740	200	136483	18.172	ng/ul	98
71) Pentachlorophenol	16.910	266	163463	34.201	ng/ul	91
72) Phenanthrene	17.310	178	1523459	34.140	ng/ul	99
74) Anthracene	17.404	178	1568772	35.030	ng/ul	99
75) 1,2,3,4-Tetrachloroben...	13.304	216	382666	33.804	ng/ul	97
76) Pentachlorobenzene	14.828	250	341596	33.701	ng/ul	95
77) Carbazole	17.675	167	1434947	35.080	ng/ul	100
78) Di-n-butylphthalate	18.251	149	1930895	39.255	ng/ul	100
80) Fluoranthene	19.328	202	1722849	36.171	ng/ul	99
82) Pyrene	19.692	202	1811795	35.956	ng/ul	95
83) Butylbenzylphthalate	20.616	149	931606	45.365	ng/ul	90
84) 3,3'-Dichlorobenzidine	21.392	252	518778	40.992	ng/ul	97
85) Benzo(a)anthracene	21.451	228	1690546	35.221	ng/ul	99
86) Bis(2-ethylhexyl)phtha...	21.398	149	1351489	42.546	ng/ul	99
87) Chrysene	21.504	228	1596101	35.483	ng/ul	98
89) Di-n-octyl phthalate	22.327	149	2401505	40.441	ng/ul	100
90) Benzo(b)fluoranthene	23.116	252	1716968	35.582	ng/ul	98
91) Benzo(k)fluoranthene	23.169	252	1724737	34.921	ng/ul	97
93) Benzo(a)pyrene	23.733	252	1601474	34.608	ng/ul	95
94) Indeno(1,2,3-cd)pyrene	26.292	276	1981319	35.161	ng/ul	99
95) Dibenzo(a,h)anthracene	26.321	278	1627380	35.375	ng/ul#	92
96) Benzo(g,h,i)perylene	27.045	276	1598183	33.910	ng/ul	94

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

