

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN042624\
 Data File : BN031251.D
 Acq On : 26 Apr 2024 18:25
 Operator : MA/JU
 Sample : PB160497BS
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 SLCS497

Quant Time: Apr 26 19:26:34 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-BN041924.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Apr 19 22:56:25 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 04/29/2024
 Supervised By :mohammad ahmed 04/29/2024

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.622	152	247295	20.000	ng/ul	-0.02
20) Naphthalene-d8	10.404	136	1105630	20.000	ng/ul	-0.01
38) Acenaphthene-d10	14.269	164	729502	20.000	ng/ul	-0.01
64) Phenanthrene-d10	17.022	188	1522057	20.000	ng/ul	-0.01
79) Chrysene-d12	21.263	240	1216522	20.000	ng/ul	0.00
88) Perylene-d12	24.157	264	1184909	20.000	ng/ul	-0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.140	96	35330	6.675	ng/uL	0.00
4) Pyridine-d5	3.546	84	572364	37.547	ng/ul	0.00
7) Phenol-d5	6.805	99	666253	31.938	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	6.969	67	375507	30.939	ng/ul	-0.01
11) 2-Chlorophenol-d4	7.157	132	527921	32.502	ng/ul	-0.01
15) 4-Methylphenol-d8	8.340	113	543568	30.984	ng/ul	0.00
21) Nitrobenzene-d5	8.781	128	269419	33.915	ng/ul	-0.01
24) 2-Nitrophenol-d4	9.498	143	300767	36.424	ng/ul	-0.01
28) 2,4-Dichlorophenol-d3	10.028	165	540380	33.185	ng/ul	-0.01
31) 4-Chloroaniline-d4	10.546	131	129937	5.106	ng/ul	-0.02
46) Dimethylphthalate-d6	13.692	166	1606473	31.646	ng/ul	0.00
49) Acenaphthylene-d8	13.963	160	1830490	31.821	ng/ul	-0.01
54) 4-Nitrophenol-d4	14.498	143	328160	30.972	ng/ul	0.00
60) Fluorene-d10	15.269	176	1341593	30.358	ng/ul	-0.01
65) 4,6-Dinitro-2-methylph...	15.398	200	274507	35.747	ng/ul	0.00
73) Anthracene-d10	17.122	188	1978745	29.994	ng/ul	-0.01
81) Pyrene-d10	19.427	212	2282009	38.174	ng/ul	0.00
92) Benzo(a)pyrene-d12	23.962	264	1747356	31.098	ng/ul	-0.01
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.169	88	67990	12.121	ng/uL	95
5) Pyridine	3.564	79	497709	32.356	ng/ul	96
6) Benzaldehyde	6.775	77	117328	11.454	ng/ul	96
8) Phenol	6.828	94	669523	31.130	ng/ul	99
10) Bis(2-Chloroethyl)ether	7.057	93	527223	31.068	ng/ul	97
12) 2-Chlorophenol	7.187	128	544971	32.279	ng/ul	99
13) 2-Methylphenol	8.069	108	518328	31.099	ng/ul	99
14) 2,2'-oxybis(1-Chloropr...	8.146	45	694004	31.368	ng/ul	99
16) Acetophenone	8.446	105	792650	29.161	ng/ul	99
17) N-Nitroso-di-n-propyla...	8.434	70	400912	29.590	ng/ul	99
18) 4-Methylphenol	8.399	108	569377	30.498	ng/ul	99
19) Hexachloroethane	8.687	117	224626	32.063	ng/ul	97
22) Nitrobenzene	8.822	77	609607	32.514	ng/ul	100
23) Isophorone	9.346	82	1119458	29.258	ng/ul	100
25) 2-Nitrophenol	9.528	139	319655	34.989	ng/ul	96
26) 2,4-Dimethylphenol	9.593	107	588103	31.564	ng/ul	99
27) Bis(2-Chloroethoxy)met...	9.828	93	719752	30.970	ng/ul	99
29) 2,4-Dichlorophenol	10.057	162	539507	33.171	ng/ul	98
30) Naphthalene	10.451	128	1767229	30.842	ng/ul	100
32) 4-Chloroaniline	10.575	127	213855	8.649	ng/ul	96
33) Hexachlorobutadiene	10.728	225	313484	31.617	ng/ul	97
34) Caprolactam	11.363	113	193194m	30.148	ng/ul	
35) 4-Chloro-3-methylphenol	11.710	107	604064	32.033	ng/ul	97
36) 2-Methylnaphthalene	12.075	142	1211257	29.976	ng/ul	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.292	142	1211605	29.633	ng/ul	97
39) 1,2,4,5-Tetrachloroben...	12.445	216	609904	31.951	ng/ul	99
40) Hexachlorocyclopentadiene	12.416	237	324581	30.954	ng/ul	97
41) 2,4,6-Trichlorophenol	12.692	196	424734	33.428	ng/ul	93
42) 2,4,5-Trichlorophenol	12.769	196	466103	33.087	ng/ul	99
43) 1,1'-Biphenyl	13.098	154	1574412	31.380	ng/ul	99
44) 2-Chloronaphthalene	13.139	162	1264922	31.551	ng/ul	98
45) 2-Nitroaniline	13.357	65	378964	34.240	ng/ul	99
47) Dimethylphthalate	13.739	163	1606724	30.680	ng/ul	100
48) 2,6-Dinitrotoluene	13.863	165	348432	35.443	ng/ul	98
50) Acenaphthylene	13.992	152	2007593	29.876	ng/ul	99
51) 3-Nitroaniline	14.192	138	184083	16.311	ng/ul	94
52) Acenaphthene	14.339	153	1338808	30.055	ng/ul	96
53) 2,4-Dinitrophenol	14.398	184	197444	35.515	ng/ul	99
55) 4-Nitrophenol	14.510	109	255801	29.749	ng/ul	98
56) Dibenzofuran	14.675	168	1849941	30.037	ng/ul	99
57) 2,4-Dinitrotoluene	14.651	165	495678	33.184	ng/ul	99
58) 2,3,4,6-Tetrachlorophenol	14.904	232	388764	31.932	ng/ul	95
59) Diethylphthalate	15.110	149	1667317	30.957	ng/ul	99
61) Fluorene	15.328	166	1441487	28.441	ng/ul	98
62) 4-Chlorophenyl-phenyle...	15.322	204	692378	28.680	ng/ul	96
63) 4-Nitroaniline	15.363	138	321519m	26.423	ng/ul	
66) 4,6-Dinitro-2-methylph...	15.416	198	296197	35.922	ng/ul#	93
67) N-Nitrosodiphenylamine	15.539	169	868643	21.292	ng/ul	99
68) 4-Bromophenyl-phenylether	16.222	248	473225	32.876	ng/ul	93
69) Hexachlorobenzene	16.322	284	517513	31.186	ng/ul	98
70) Atrazine	16.498	200	87921	6.139	ng/ul	93
71) Pentachlorophenol	16.675	266	355729	32.995	ng/ul	96
72) Phenanthrene	17.069	178	2409647	29.932	ng/ul	98
74) Anthracene	17.157	178	2379109	29.202	ng/ul	99
75) 1,2,3,4-Tetrachloroben...	13.057	216	614575	34.424	ng/uL	96
76) Pentachlorobenzene	14.592	250	597627	32.417	ng/uL	96
77) Carbazole	17.433	167	1625088	21.837	ng/ul	99
78) Di-n-butylphthalate	17.998	149	2989171	32.953	ng/ul	99
80) Fluoranthene	19.092	202	2787017	39.393	ng/ul	100
82) Pyrene	19.457	202	2872879	38.647	ng/ul	98
83) Butylbenzylphthalate	20.369	149	1365324	41.624	ng/ul	96
84) 3,3'-Dichlorobenzidine	21.174	252	27381	1.080	ng/ul	100
85) Benzo(a)anthracene	21.245	228	2813198	34.054	ng/ul	99
86) Bis(2-ethylhexyl)phtha...	21.168	149	2000152	40.613	ng/ul	99
87) Chrysene	21.304	228	2564418	32.703	ng/ul	98
89) Di-n-octyl phthalate	22.268	149	3446251	50.458	ng/ul	100
90) Benzo(b)fluoranthene	23.245	252	2609804	39.145	ng/ul	99
91) Benzo(k)fluoranthene	23.304	252	2523160	37.628	ng/ul	98
93) Benzo(a)pyrene	24.021	252	2325154	34.959	ng/ul	98
94) Indeno(1,2,3-cd)pyrene	27.409	276	2393461	29.000	ng/ul	99
95) Dibenzo(a,h)anthracene	27.462	278	2015741	29.756	ng/ul	97
96) Benzo(g,h,i)perylene	28.415	276	1877653m	28.251	ng/ul	

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

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