

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN042224\
 Data File : BN031180.D
 Acq On : 24 Apr 2024 08:48
 Operator : MA/JU
 Sample : PB160404BS
 Misc :
 ALS Vial : 71 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 SLCS404

Quant Time: Apr 24 09:18:15 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 04/24/2024
 Supervised By :Sohil Jodhani 04/24/2024

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.628	152	136868	20.000	ng/u1	-0.01
20) Naphthalene-d8	10.410	136	636051	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.275	164	443341	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.028	188	994384	20.000	ng/u1	0.00
79) Chrysene-d12	21.269	240	1074548	20.000	ng/u1	0.00
88) Perylene-d12	24.163	264	1299105	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.140	96	22720	7.755	ng/uL	0.00
4) Pyridine-d5	3.546	84	276045	32.719	ng/u1	0.00
7) Phenol-d5	6.805	99	420029	36.380	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	6.969	67	234070	34.845	ng/u1	-0.01
11) 2-Chlorophenol-d4	7.163	132	329955	36.704	ng/u1	0.00
15) 4-Methylphenol-d8	8.334	113	335996	34.604	ng/u1	0.00
21) Nitrobenzene-d5	8.787	128	166407	36.413	ng/u1	0.00
24) 2-Nitrophenol-d4	9.499	143	180606	38.019	ng/u1	-0.01
28) 2,4-Dichlorophenol-d3	10.034	165	345938	36.928	ng/u1	0.00
31) 4-Chloroaniline-d4	10.552	131	527189	36.012	ng/u1	-0.01
46) Dimethylphthalate-d6	13.693	166	1047005	33.937	ng/u1	0.00
49) Acenaphthylene-d8	13.969	160	1235724	35.347	ng/u1	0.00
54) 4-Nitrophenol-d4	14.492	143	232806	36.155	ng/u1	0.00
60) Fluorene-d10	15.275	176	944695	35.175	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.398	200	176531	35.188	ng/u1	0.00
73) Anthracene-d10	17.128	188	1527267	35.435	ng/u1	0.00
81) Pyrene-d10	19.428	212	1952037	36.968	ng/u1	0.00
92) Benzo(a)pyrene-d12	23.968	264	2324516	37.733	ng/u1	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.175	88	33449	10.774	ng/uL#	84
5) Pyridine	3.564	79	282446	33.176	ng/u1	98
6) Benzaldehyde	6.781	77	227219	40.080	ng/u1	99
8) Phenol	6.834	94	424513	35.663	ng/u1	96
10) Bis(2-Chloroethyl)ether	7.063	93	311439	33.160	ng/u1	96
12) 2-Chlorophenol	7.193	128	338485	36.224	ng/u1	97
13) 2-Methylphenol	8.069	108	314669	34.112	ng/u1	99
14) 2,2'-oxybis(1-Chloropr...	8.152	45	407972	33.317	ng/u1	99
16) Acetophenone	8.452	105	503282	33.454	ng/u1	99
17) N-Nitroso-di-n-propyla...	8.434	70	245515	32.741	ng/u1	98
18) 4-Methylphenol	8.399	108	353492	34.210	ng/u1	99
19) Hexachloroethane	8.693	117	130888	33.756	ng/u1	99
22) Nitrobenzene	8.828	77	374752	34.745	ng/u1	99
23) Isophorone	9.346	82	717389	32.592	ng/u1	99
25) 2-Nitrophenol	9.528	139	193753	36.865	ng/u1	96
26) 2,4-Dimethylphenol	9.593	107	302615	28.233	ng/u1	100
27) Bis(2-Chloroethoxy)met...	9.834	93	440453	32.944	ng/u1	100
29) 2,4-Dichlorophenol	10.057	162	339569	36.292	ng/u1	99
30) Naphthalene	10.457	128	1110151	33.678	ng/u1	100
32) 4-Chloroaniline	10.575	127	433464	30.473	ng/u1	100
33) Hexachlorobutadiene	10.734	225	188929	33.122	ng/u1	97
34) Caprolactam	11.357	113	123456m	33.488	ng/u1	
35) 4-Chloro-3-methylphenol	11.704	107	381175	35.136	ng/u1	97
36) 2-Methylnaphthalene	12.075	142	782143	33.647	ng/u1	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.298	142	791999	33.671	ng/ul	93
39) 1,2,4,5-Tetrachloroben...	12.451	216	394367	33.995	ng/ul	98
40) Hexachlorocyclopentadiene	12.422	237	145302	22.801	ng/ul	98
41) 2,4,6-Trichlorophenol	12.698	196	269567	34.910	ng/ul	91
42) 2,4,5-Trichlorophenol	12.769	196	312977	36.558	ng/ul	97
43) 1,1'-Biphenyl	13.104	154	1031431	33.827	ng/ul	99
44) 2-Chloronaphthalene	13.146	162	808963	33.202	ng/ul	98
45) 2-Nitroaniline	13.363	65	248784	36.987	ng/ul	99
47) Dimethylphthalate	13.740	163	1038641	32.634	ng/ul	100
48) 2,6-Dinitrotoluene	13.863	165	215836	36.126	ng/ul	98
50) Acenaphthylene	13.998	152	1337410	32.750	ng/ul	99
51) 3-Nitroaniline	14.193	138	253750	36.996	ng/ul#	94
52) Acenaphthene	14.340	153	868374	32.077	ng/ul	98
53) 2,4-Dinitrophenol	14.398	184	106140	31.415	ng/ul	97
55) 4-Nitrophenol	14.510	109	180256	34.494	ng/ul	96
56) Dibenzofuran	14.675	168	1263357	33.753	ng/ul	100
57) 2,4-Dinitrotoluene	14.651	165	332650	36.644	ng/ul	100
58) 2,3,4,6-Tetrachlorophenol	14.904	232	260249	35.174	ng/ul	99
59) Diethylphthalate	15.116	149	1066690	32.589	ng/ul	99
61) Fluorene	15.328	166	1013218	32.894	ng/ul	97
62) 4-Chlorophenyl-phenyle...	15.328	204	478702	32.628	ng/ul	97
63) 4-Nitroaniline	15.363	138	283730	38.368	ng/ul	98
66) 4,6-Dinitro-2-methylph...	15.416	198	186218	34.568	ng/ul	97
67) N-Nitrosodiphenylamine	15.545	169	899609	33.753	ng/ul	99
68) 4-Bromophenyl-phenylether	16.222	248	307050	32.651	ng/ul	97
69) Hexachlorobenzene	16.328	284	361236	33.321	ng/ul	97
70) Atrazine	16.504	200	276326	29.530	ng/ul	98
71) Pentachlorophenol	16.675	266	252361	35.828	ng/ul	99
72) Phenanthrene	17.069	178	1741764	33.116	ng/ul	99
74) Anthracene	17.163	178	1738163	32.656	ng/ul	98
75) 1,2,3,4-Tetrachloroben...	13.063	216	400421	34.331	ng/ul	99
76) Pentachlorobenzene	14.592	250	402170	33.391	ng/ul	97
77) Carbazole	17.439	167	1722354	35.425	ng/ul	99
78) Di-n-butylphthalate	18.004	149	2074198	35.001	ng/ul	99
80) Fluoranthene	19.092	202	2226311	35.625	ng/ul	98
82) Pyrene	19.457	202	2378489	36.224	ng/ul	99
83) Butylbenzylphthalate	20.375	149	1092933	37.722	ng/ul	96
84) 3,3'-Dichlorobenzidine	21.180	252	801992	35.819	ng/ul	96
85) Benzo(a)anthracene	21.251	228	2509294	34.389	ng/ul	98
86) Bis(2-ethylhexyl)phtha...	21.174	149	1552840	35.696	ng/ul	99
87) Chrysene	21.310	228	2398546	34.629	ng/ul	96
89) Di-n-octyl phthalate	22.274	149	2975828	39.740	ng/ul	100
90) Benzo(b)fluoranthene	23.251	252	2743437	37.532	ng/ul	98
91) Benzo(k)fluoranthene	23.310	252	2695749	36.668	ng/ul	98
93) Benzo(a)pyrene	24.033	252	2304887	31.608	ng/ul	99
94) Indeno(1,2,3-cd)pyrene	27.415	276	2960429	32.717	ng/ul	99
95) Dibenzo(a,h)anthracene	27.480	278	2452077	33.016	ng/ul	97
96) Benzo(g,h,i)perylene	28.433	276	2256061	30.961	ng/ul	99

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

