

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN052124\
 Data File : BN031598.D
 Acq On : 21 May 2024 14:39
 Operator : MA/JU
 Sample : SSTD04065
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 SSTD040248

Quant Time: May 21 15:41:07 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-BN052124.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue May 21 15:34:06 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 05/22/2024
 Supervised By :mohammad ahmed 05/24/2024

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.693	152	558520	20.000	ng/u1	0.00
20) Naphthalene-d8	10.475	136	2408726	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.328	164	1401082	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.075	188	2456013	20.000	ng/u1	0.00
79) Chrysene-d12	21.304	240	1445609	20.000	ng/u1	0.00
88) Perylene-d12	24.239	264	1462362	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.199	96	221727	16.198	ng/uL	0.00
4) Pyridine-d5	3.599	84	1626999	39.527	ng/u1	0.00
7) Phenol-d5	6.858	99	1932266	40.776	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.034	67	1165241	38.516	ng/u1	0.00
11) 2-Chlorophenol-d4	7.222	132	1475359	44.884	ng/u1	0.00
15) 4-Methylphenol-d8	8.393	113	1551949	42.820	ng/u1	0.00
21) Nitrobenzene-d5	8.846	128	762677	46.715	ng/u1	0.00
24) 2-Nitrophenol-d4	9.563	143	764661	58.308	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.093	165	1431505	47.177	ng/u1	0.00
31) 4-Chloroaniline-d4	10.616	131	2080494	39.864	ng/u1	0.00
46) Dimethylphthalate-d6	13.746	166	3657373	41.798	ng/u1	0.00
49) Acenaphthylene-d8	14.022	160	4578521	42.267	ng/u1	0.00
54) 4-Nitrophenol-d4	14.528	143	683506	40.429	ng/u1	0.00
60) Fluorene-d10	15.328	176	3122119	39.185	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.445	200	445543	49.169	ng/u1	0.00
73) Anthracene-d10	17.175	188	4179646	39.921	ng/u1	0.00
81) Pyrene-d10	19.469	212	3724697	50.855	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.039	264	2897596	44.562	ng/u1	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.234	88	233543	16.019	ng/uL	97
5) Pyridine	3.617	79	1611713	39.125	ng/u1	97
6) Benzaldehyde	6.840	77	1073738	44.869	ng/u1	98
8) Phenol	6.887	94	1996196	40.184	ng/u1	99
10) Bis(2-Chloroethyl)ether	7.128	93	1654106	40.046	ng/u1	99
12) 2-Chlorophenol	7.258	128	1534811	43.148	ng/u1	98
13) 2-Methylphenol	8.128	108	1519420	41.819	ng/u1	98
14) 2,2'-oxybis(1-Chloropr...	8.216	45	1929134	36.919	ng/u1	98
16) Acetophenone	8.516	105	2406240	39.936	ng/u1	99
17) N-Nitroso-di-n-propyla...	8.505	70	1201461	40.403	ng/u1	99
18) 4-Methylphenol	8.458	108	1631332	41.731	ng/u1	97
19) Hexachloroethane	8.763	117	652843	40.666	ng/u1	99
22) Nitrobenzene	8.893	77	1823969	41.271	ng/u1	95
23) Isophorone	9.416	82	3548901	42.755	ng/u1	98
25) 2-Nitrophenol	9.593	139	846775	55.624	ng/u1	99
26) 2,4-Dimethylphenol	9.658	107	1631654	43.119	ng/u1	99
27) Bis(2-Chloroethoxy)met...	9.899	93	2193686	40.735	ng/u1	99
29) 2,4-Dichlorophenol	10.122	162	1398400	45.501	ng/u1	99
30) Naphthalene	10.528	128	4967402	39.733	ng/u1	99
32) 4-Chloroaniline	10.640	127	2014432	39.320	ng/u1	99
33) Hexachlorobutadiene	10.805	225	826810	40.693	ng/u1	99
34) Caprolactam	11.410	113	460333m	41.067	ng/u1	
35) 4-Chloro-3-methylphenol	11.763	107	1551451	44.566	ng/u1	99
36) 2-Methylnaphthalene	12.140	142	3301766	40.951	ng/u1	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.363	142	3297147	40.492	ng/ul	96
39) 1,2,4,5-Tetrachloroben...	12.510	216	1599471	42.679	ng/ul	96
40) Hexachlorocyclopentadiene	12.487	237	977734	46.305	ng/ul	100
41) 2,4,6-Trichlorophenol	12.752	196	1055598	52.278	ng/ul	96
42) 2,4,5-Trichlorophenol	12.822	196	1122240	48.367	ng/ul	93
43) 1,1'-Biphenyl	13.163	154	4106254	41.260	ng/ul	99
44) 2-Chloronaphthalene	13.199	162	3199033	41.101	ng/ul	97
45) 2-Nitroaniline	13.410	65	919919	45.820	ng/ul	98
47) Dimethylphthalate	13.799	163	3723157	40.733	ng/ul	99
48) 2,6-Dinitrotoluene	13.910	165	774948	48.950	ng/ul	99
50) Acenaphthylene	14.051	152	5147236	40.479	ng/ul	99
51) 3-Nitroaniline	14.240	138	823222	44.152	ng/ul	99
52) Acenaphthene	14.393	153	3351035	39.756	ng/ul	94
53) 2,4-Dinitrophenol	14.446	184	322410	47.269	ng/ul	97
55) 4-Nitrophenol	14.546	109	507820	37.958	ng/ul	97
56) Dibenzofuran	14.734	168	4472905	39.129	ng/ul	98
57) 2,4-Dinitrotoluene	14.698	165	1020124	45.101	ng/ul	98
58) 2,3,4,6-Tetrachlorophenol	14.951	232	822922	49.247	ng/ul	98
59) Diethylphthalate	15.169	149	3544928	39.259	ng/ul	96
61) Fluorene	15.381	166	3456520	37.145	ng/ul	97
62) 4-Chlorophenyl-phenyle...	15.381	204	1681157	37.815	ng/ul	96
63) 4-Nitroaniline	15.404	138	730920	39.995	ng/ul	97
66) 4,6-Dinitro-2-methylph...	15.457	198	497584	49.473	ng/ul	94
67) N-Nitrosodiphenylamine	15.593	169	2920378	43.259	ng/ul	98
68) 4-Bromophenyl-phenylether	16.275	248	1019449	44.907	ng/ul	89
69) Hexachlorobenzene	16.375	284	1088077	41.691	ng/ul	97
70) Atrazine	16.551	200	824782	42.062	ng/ul	99
71) Pentachlorophenol	16.722	266	634846	46.130	ng/ul	89
72) Phenanthrene	17.116	178	4960879	38.774	ng/ul	98
74) Anthracene	17.210	178	5048139	39.247	ng/ul	98
75) 1,2,3,4-Tetrachloroben...	13.122	216	1588300	47.884	ng/ul	99
76) Pentachlorobenzene	14.646	250	1454932	46.524	ng/ul	96
77) Carbazole	17.481	167	4334998	37.730	ng/ul	100
78) Di-n-butylphthalate	18.051	149	5001324	39.401	ng/ul	99
80) Fluoranthene	19.134	202	4802948	55.486	ng/ul	100
82) Pyrene	19.498	202	4748790	50.632	ng/ul	97
83) Butylbenzylphthalate	20.410	149	1723864	57.124	ng/ul	97
84) 3,3'-Dichlorobenzidine	21.216	252	1191094	44.121	ng/ul	98
85) Benzo(a)anthracene	21.286	228	4033817	42.607	ng/ul	98
86) Bis(2-ethylhexyl)phtha...	21.228	149	2313417	48.155	ng/ul	98
87) Chrysene	21.345	228	3702676	41.723	ng/ul	99
89) Di-n-octyl phthalate	22.339	149	3564342	47.301	ng/ul	100
90) Benzo(b)fluoranthene	23.310	252	3643957	44.214	ng/ul	98
91) Benzo(k)fluoranthene	23.374	252	3592157	42.718	ng/ul	100
93) Benzo(a)pyrene	24.104	252	3488731	43.466	ng/ul	98
94) Indeno(1,2,3-cd)pyrene	27.539	276	4130967	45.049	ng/ul	98
95) Dibenzo(a,h)anthracene	27.610	278	3375616	43.652	ng/ul	98
96) Benzo(g,h,i)perylene	28.568	276	3403270	45.623	ng/ul	99

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

