

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN052024\
 Data File : BN031584.D
 Acq On : 21 May 2024 00:31
 Operator : MA/JU
 Sample : SSTDCCC020EC
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 SSTD020253

Quant Time: May 21 04:17:09 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-BN051524.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed May 15 02:37:21 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 05/21/2024
 Supervised By :mohammad ahmed 05/22/2024

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.693	152	631263	20.000	ng/u1	0.00
20) Naphthalene-d8	10.481	136	2668350	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.334	164	1490115	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.075	188	2536286	20.000	ng/u1	0.00
79) Chrysene-d12	21.304	240	1995900	20.000	ng/u1	0.00
88) Perylene-d12	24.239	264	2285989	20.000	ng/u1	-0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.205	96	122843	8.015	ng/uL	0.00
4) Pyridine-d5	3.605	84	904601	19.305	ng/u1	0.00
7) Phenol-d5	6.858	99	1088278	20.313	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.034	67	655039	18.676	ng/u1	0.00
11) 2-Chlorophenol-d4	7.228	132	819384	22.312	ng/u1	0.00
15) 4-Methylphenol-d8	8.393	113	836396	20.331	ng/u1	0.00
21) Nitrobenzene-d5	8.852	128	412008	23.428	ng/u1	0.00
24) 2-Nitrophenol-d4	9.563	143	394160	29.699	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.099	165	763687	23.162	ng/u1	0.00
31) 4-Chloroaniline-d4	10.616	131	1099110	18.741	ng/u1	0.00
46) Dimethylphthalate-d6	13.746	166	1977680	20.983	ng/u1	0.00
49) Acenaphthylene-d8	14.022	160	2444869	21.231	ng/u1	0.00
54) 4-Nitrophenol-d4	14.528	143	340346	18.828	ng/u1	0.00
60) Fluorene-d10	15.328	176	1665520	19.322	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.440	200	199758	21.997	ng/u1	0.00
73) Anthracene-d10	17.175	188	2240575	20.660	ng/u1	0.00
81) Pyrene-d10	19.469	212	2265913	22.867	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.033	264	2149981	21.190	ng/u1	-0.02
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.240	88	132747	8.116	ng/uL	95
5) Pyridine	3.623	79	890060	18.932	ng/u1	94
6) Benzaldehyde	6.846	77	620251	22.630	ng/u1	93
8) Phenol	6.887	94	1114034	19.687	ng/u1	98
10) Bis(2-Chloroethyl)ether	7.128	93	929790	19.626	ng/u1	94
12) 2-Chlorophenol	7.258	128	860496	21.493	ng/u1	96
13) 2-Methylphenol	8.128	108	840800	20.323	ng/u1	97
14) 2,2'-oxybis(1-Chloropr...	8.222	45	1084494	17.626	ng/u1	97
16) Acetophenone	8.516	105	1323781	18.934	ng/u1	96
17) N-Nitroso-di-n-propyla...	8.505	70	668663	19.295	ng/u1	93
18) 4-Methylphenol	8.458	108	885212	19.847	ng/u1	96
19) Hexachloroethane	8.763	117	369875	20.309	ng/u1	97
22) Nitrobenzene	8.893	77	995045	20.266	ng/u1	92
23) Isophorone	9.416	82	1907906	20.478	ng/u1	96
25) 2-Nitrophenol	9.599	139	441139	28.270	ng/u1	90
26) 2,4-Dimethylphenol	9.657	107	887694	21.207	ng/u1	99
27) Bis(2-Chloroethoxy)met...	9.899	93	1209246	20.058	ng/u1	99
29) 2,4-Dichlorophenol	10.122	162	759597	22.667	ng/u1	99
30) Naphthalene	10.528	128	2764289	19.864	ng/u1	100
32) 4-Chloroaniline	10.640	127	1092935	18.914	ng/u1	99
33) Hexachlorobutadiene	10.810	225	473579	21.190	ng/u1	95
34) Caprolactam	11.399	113	239720m	18.919	ng/u1	
35) 4-Chloro-3-methylphenol	11.757	107	816805	21.021	ng/u1	98
36) 2-Methylnaphthalene	12.146	142	1808881	19.987	ng/u1	99

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Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.363	142	1792272	19.545	ng/ul	99
39) 1,2,4,5-Tetrachloroben...	12.510	216	875218	22.344	ng/ul	97
40) Hexachlorocyclopentadiene	12.493	237	472264	22.151	ng/ul	97
41) 2,4,6-Trichlorophenol	12.751	196	539867	26.416	ng/ul	100
42) 2,4,5-Trichlorophenol	12.822	196	572384	23.957	ng/ul	99
43) 1,1'-Biphenyl	13.163	154	2236710	21.262	ng/ul	99
44) 2-Chloronaphthalene	13.204	162	1766050	21.384	ng/ul	98
45) 2-Nitroaniline	13.410	65	472687	22.242	ng/ul	91
47) Dimethylphthalate	13.793	163	2037229	20.608	ng/ul	100
48) 2,6-Dinitrotoluene	13.910	165	400887	23.805	ng/ul	96
50) Acenaphthylene	14.051	152	2800333	20.672	ng/ul	98
51) 3-Nitroaniline	14.240	138	432119	21.906	ng/ul	96
52) Acenaphthene	14.398	153	1798325	19.797	ng/ul	99
53) 2,4-Dinitrophenol	14.445	184	132861	18.522	ng/ul	93
55) 4-Nitrophenol	14.540	109	261437	17.901	ng/ul	93
56) Dibenzofuran	14.734	168	2376979	19.312	ng/ul	100
57) 2,4-Dinitrotoluene	14.698	165	524633	21.518	ng/ul	92
58) 2,3,4,6-Tetrachlorophenol	14.957	232	412382	23.825	ng/ul	97
59) Diethylphthalate	15.163	149	1951382	19.693	ng/ul	99
61) Fluorene	15.381	166	1905338	18.860	ng/ul	98
62) 4-Chlorophenyl-phenyle...	15.381	204	904161	18.755	ng/ul	96
63) 4-Nitroaniline	15.404	138	402987	20.264	ng/ul	96
66) 4,6-Dinitro-2-methylph...	15.457	198	222905	22.190	ng/ul	93
67) N-Nitrosodiphenylamine	15.592	169	1581754	22.998	ng/ul	97
68) 4-Bromophenyl-phenylether	16.275	248	524390	22.757	ng/ul	97
69) Hexachlorobenzene	16.375	284	581855	21.655	ng/ul	98
70) Atrazine	16.545	200	443451	21.872	ng/ul	97
71) Pentachlorophenol	16.722	266	317508	23.300	ng/ul	97
72) Phenanthrene	17.116	178	2692422	20.263	ng/ul	99
74) Anthracene	17.210	178	2732181	20.392	ng/ul	98
75) 1,2,3,4-Tetrachloroben...	13.122	216	865034	26.969	ng/ul	98
76) Pentachlorobenzene	14.645	250	756240	24.352	ng/ul	98
77) Carbazole	17.481	167	2388032	19.800	ng/ul	99
78) Di-n-butylphthalate	18.051	149	2963539	22.292	ng/ul	99
80) Fluoranthene	19.133	202	2795008	23.914	ng/ul	99
82) Pyrene	19.498	202	2793208	22.067	ng/ul	99
83) Butylbenzylphthalate	20.410	149	1134897	28.438	ng/ul	89
84) 3,3'-Dichlorobenzidine	21.216	252	755954	20.552	ng/ul	98
85) Benzo(a)anthracene	21.286	228	2733231	20.833	ng/ul	97
86) Bis(2-ethylhexyl)phtha...	21.222	149	1645700	25.098	ng/ul	96
87) Chrysene	21.345	228	2503842	20.409	ng/ul	99
89) Di-n-octyl phthalate	22.339	149	2710547	23.794	ng/ul	100
90) Benzo(b)fluoranthene	23.316	252	2571453	19.849	ng/ul	93
91) Benzo(k)fluoranthene	23.369	252	2666011	20.135	ng/ul	97
93) Benzo(a)pyrene	24.098	252	2536536	20.191	ng/ul	100
94) Indeno(1,2,3-cd)pyrene	27.533	276	3130533	22.112	ng/ul	99
95) Dibenzo(a,h)anthracene	27.598	278	2568984	21.301	ng/ul	96
96) Benzo(g,h,i)perylene	28.568	276	2509324m	21.948	ng/ul	

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

