

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN062024\
 Data File : BN032127.D
 Acq On : 21 Jun 2024 11:41
 Operator : MA/JU
 Sample : SSTDCCC020EC
 Misc :
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 SSTD020299

Quant Time: Jun 21 12:38:47 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-BN052924.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Jun 20 10:49:40 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 06/21/2024
 Supervised By :mohammad ahmed 06/21/2024

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.634	152	415707	20.000	ng/u1	0.00
20) Naphthalene-d8	10.416	136	1932054	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.281	164	1316067	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.034	188	2568744	20.000	ng/u1	0.00
79) Chrysene-d12	21.269	240	1621620	20.000	ng/u1	0.00
88) Perylene-d12	24.186	264	1767214	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.164	96	60162	5.987	ng/uL	0.00
4) Pyridine-d5	3.570	84	454232	16.059	ng/u1	0.00
7) Phenol-d5	6.816	99	639782	17.952	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	6.981	67	345747	16.586	ng/u1	0.00
11) 2-Chlorophenol-d4	7.175	132	540374	19.872	ng/u1	0.00
15) 4-Methylphenol-d8	8.352	113	565737	19.474	ng/u1	0.00
21) Nitrobenzene-d5	8.799	128	291801	19.753	ng/u1	0.00
24) 2-Nitrophenol-d4	9.510	143	330000	21.625	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.046	165	589463	20.691	ng/u1	0.00
31) 4-Chloroaniline-d4	10.563	131	806329	19.063	ng/u1	0.00
46) Dimethylphthalate-d6	13.698	166	1774406	19.353	ng/u1	0.00
49) Acenaphthylene-d8	13.975	160	2033292	19.287	ng/u1	0.00
54) 4-Nitrophenol-d4	14.510	143	316306	17.230	ng/u1	0.00
60) Fluorene-d10	15.281	176	1502547	19.369	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.416	200	252009	19.518	ng/u1	0.00
73) Anthracene-d10	17.134	188	2161257	19.652	ng/u1	0.00
81) Pyrene-d10	19.433	212	2104131	24.248	ng/u1	0.00
92) Benzo(a)pyrene-d12	23.986	264	1612013	19.103	ng/u1	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.199	88	62518	5.815	ng/uL	94
5) Pyridine	3.587	79	432631	15.297	ng/u1	97
6) Benzaldehyde	6.793	77	332462	19.889	ng/u1	95
8) Phenol	6.846	94	651217	17.955	ng/u1	97
10) Bis(2-Chloroethyl)ether	7.075	93	530167	17.678	ng/u1	96
12) 2-Chlorophenol	7.205	128	564519	19.838	ng/u1	95
13) 2-Methylphenol	8.087	108	529038	18.886	ng/u1	100
14) 2,2'-oxybis(1-Chloropr...	8.158	45	591093	17.122	ng/u1	99
16) Acetophenone	8.463	105	849980	19.306	ng/u1	98
17) N-Nitroso-di-n-propyla...	8.446	70	395232	17.324	ng/u1#	95
18) 4-Methylphenol	8.416	108	579895	19.097	ng/u1	99
19) Hexachloroethane	8.699	117	231793	19.236	ng/u1	88
22) Nitrobenzene	8.840	77	617989	17.559	ng/u1	92
23) Isophorone	9.363	82	1211578	16.781	ng/u1	95
25) 2-Nitrophenol	9.540	139	349221	20.947	ng/u1	94
26) 2,4-Dimethylphenol	9.605	107	600203	18.506	ng/u1	99
27) Bis(2-Chloroethoxy)met...	9.840	93	771536	17.146	ng/u1	99
29) 2,4-Dichlorophenol	10.075	162	574190	20.413	ng/u1	97
30) Naphthalene	10.469	128	1950637	19.508	ng/u1	100
32) 4-Chloroaniline	10.587	127	781117	19.021	ng/u1	98
33) Hexachlorobutadiene	10.740	225	359236	21.264	ng/u1	96
34) Caprolactam	11.381	113	197553m	17.993	ng/u1	
35) 4-Chloro-3-methylphenol	11.722	107	640412	19.478	ng/u1	95
36) 2-Methylnaphthalene	12.087	142	1351770	19.778	ng/u1	98

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Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.304	142	1362096	19.862	ng/ul	98
39) 1,2,4,5-Tetrachloroben...	12.457	216	712400	20.468	ng/ul	99
40) Hexachlorocyclopentadiene	12.428	237	293563	14.634	ng/ul	96
41) 2,4,6-Trichlorophenol	12.710	196	481727	20.391	ng/ul	98
42) 2,4,5-Trichlorophenol	12.781	196	528302	20.579	ng/ul	98
43) 1,1'-Biphenyl	13.110	154	1799682	19.441	ng/ul	97
44) 2-Chloronaphthalene	13.151	162	1424619	19.649	ng/ul	99
45) 2-Nitroaniline	13.375	65	367361	17.479	ng/ul#	82
47) Dimethylphthalate	13.745	163	1778652	18.969	ng/ul	99
48) 2,6-Dinitrotoluene	13.875	165	385233	20.669	ng/ul	98
50) Acenaphthylene	14.004	152	2329282	19.550	ng/ul	99
51) 3-Nitroaniline	14.204	138	408434	20.496	ng/ul	94
52) Acenaphthene	14.345	153	1517339	19.247	ng/ul	98
53) 2,4-Dinitrophenol	14.422	184	155669	16.544	ng/ul	92
55) 4-Nitrophenol	14.528	109	238832	17.538	ng/ul	87
56) Dibenzofuran	14.687	168	2054361	19.181	ng/ul	97
57) 2,4-Dinitrotoluene	14.669	165	545514	19.947	ng/ul	100
58) 2,3,4,6-Tetrachlorophenol	14.916	232	434800	20.248	ng/ul	99
59) Diethylphthalate	15.116	149	1869337	19.320	ng/ul	99
61) Fluorene	15.334	166	1657921	19.222	ng/ul	97
62) 4-Chlorophenyl-phenyle...	15.334	204	827523	19.809	ng/ul	99
63) 4-Nitroaniline	15.375	138	395702	20.859	ng/ul	96
66) 4,6-Dinitro-2-methylph...	15.434	198	267687	19.502	ng/ul	98
67) N-Nitrosodiphenylamine	15.551	169	1480447	20.909	ng/ul	98
68) 4-Bromophenyl-phenylether	16.228	248	546665	21.964	ng/ul	96
69) Hexachlorobenzene	16.334	284	604158	21.417	ng/ul	96
70) Atrazine	16.510	200	438121	19.597	ng/ul	98
71) Pentachlorophenol	16.686	266	345527	19.145	ng/ul	91
72) Phenanthrene	17.075	178	2557846	19.547	ng/ul	98
74) Anthracene	17.169	178	2623799	19.788	ng/ul	99
75) 1,2,3,4-Tetrachloroben...	13.069	216	702151	21.237	ng/ul	99
76) Pentachlorobenzene	14.598	250	703190	21.836	ng/ul	98
77) Carbazole	17.445	167	2283652	20.199	ng/ul	98
78) Di-n-butylphthalate	18.004	149	3272141	21.036	ng/ul	100
80) Fluoranthene	19.098	202	2638053	25.438	ng/ul	95
82) Pyrene	19.463	202	2591734	24.358	ng/ul	95
83) Butylbenzylphthalate	20.369	149	1291400	25.697	ng/ul	91
84) 3,3'-Dichlorobenzidine	21.180	252	552389	17.764	ng/ul	99
85) Benzo(a)anthracene	21.251	228	2138522	19.702	ng/ul	96
86) Bis(2-ethylhexyl)phtha...	21.174	149	1856989	25.349	ng/ul	96
87) Chrysene	21.310	228	1975958	19.489	ng/ul	97
89) Di-n-octyl phthalate	22.274	149	2928013	24.748	ng/ul	100
90) Benzo(b)fluoranthene	23.263	252	1966356	18.615	ng/ul	97
91) Benzo(k)fluoranthene	23.321	252	1946794	18.782	ng/ul	99
93) Benzo(a)pyrene	24.051	252	1865557	18.857	ng/ul	99
94) Indeno(1,2,3-cd)pyrene	27.457	276	2302487m	20.197	ng/ul	
95) Dibenzo(a,h)anthracene	27.509	278	1909627	20.517	ng/ul	94
96) Benzo(g,h,i)perylene	28.486	276	1866761	20.599	ng/ul	95

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

