

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN042924\
 Data File : BN031307.D
 Acq On : 29 Apr 2024 14:19
 Operator : MA/JU
 Sample : SSTD04047
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 SSTD040227

Quant Time: Apr 29 15:11:17 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-BN042924.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Apr 29 14:23:49 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 04/30/2024
 Supervised By :mohammad ahmed 05/02/2024

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.616	152	236383	20.000	ng/u1	0.00
20) Naphthalene-d8	10.398	136	1071588	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.269	164	696746	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.022	188	1455184	20.000	ng/u1	0.00
79) Chrysene-d12	21.257	240	1100749	20.000	ng/u1	0.00
88) Perylene-d12	24.151	264	981399	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.134	96	81546	16.505	ng/uL	0.00
4) Pyridine-d5	3.540	84	619625	41.732	ng/u1	0.00
7) Phenol-d5	6.799	99	813635	43.340	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	6.963	67	471747	41.307	ng/u1	0.00
11) 2-Chlorophenol-d4	7.152	132	642084	44.856	ng/u1	0.00
15) 4-Methylphenol-d8	8.334	113	663621	42.197	ng/u1	0.00
21) Nitrobenzene-d5	8.775	128	336077	46.305	ng/u1	0.00
24) 2-Nitrophenol-d4	9.493	143	373337	54.144	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.022	165	665881	45.801	ng/u1	0.00
31) 4-Chloroaniline-d4	10.545	131	962800	40.914	ng/u1	0.00
46) Dimethylphthalate-d6	13.686	166	1921569	42.798	ng/u1	0.00
49) Acenaphthylene-d8	13.957	160	2253255	43.675	ng/u1	0.00
54) 4-Nitrophenol-d4	14.492	143	367472	43.103	ng/u1	0.00
60) Fluorene-d10	15.263	176	1622158	41.469	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.398	200	320550	48.695	ng/u1	0.00
73) Anthracene-d10	17.122	188	2433417	40.286	ng/u1	0.00
81) Pyrene-d10	19.421	212	2759271	46.521	ng/u1	0.00
92) Benzo(a)pyrene-d12	23.956	264	1990558	45.537	ng/u1	0.01
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.169	88	85208	16.036	ng/uL	94
5) Pyridine	3.558	79	615910	41.280	ng/u1	98
6) Benzaldehyde	6.769	77	437431	50.233	ng/u1	98
8) Phenol	6.822	94	823825	42.332	ng/u1	99
10) Bis(2-Chloroethyl)ether	7.057	93	665643	42.105	ng/u1	98
12) 2-Chlorophenol	7.187	128	652990	42.801	ng/u1	99
13) 2-Methylphenol	8.063	108	634749	42.196	ng/u1	98
14) 2,2'-oxybis(1-Chloropr...	8.140	45	883364	40.112	ng/u1	99
16) Acetophenone	8.446	105	997776	40.740	ng/u1	99
17) N-Nitroso-di-n-propyla...	8.434	70	508610	41.099	ng/u1	99
18) 4-Methylphenol	8.398	108	698771	41.680	ng/u1	100
19) Hexachloroethane	8.681	117	264395	41.484	ng/u1	98
22) Nitrobenzene	8.822	77	768980	43.498	ng/u1	98
23) Isophorone	9.345	82	1520463	43.558	ng/u1	100
25) 2-Nitrophenol	9.522	139	402780	50.429	ng/u1	99
26) 2,4-Dimethylphenol	9.587	107	721952	42.007	ng/u1	97
27) Bis(2-Chloroethoxy)met...	9.828	93	934252	42.131	ng/u1	100
29) 2,4-Dichlorophenol	10.051	162	650555	43.995	ng/u1	100
30) Naphthalene	10.445	128	2198405	41.546	ng/u1	99
32) 4-Chloroaniline	10.569	127	934477	41.248	ng/u1	98
33) Hexachlorobutadiene	10.722	225	373007	40.555	ng/u1	96
34) Caprolactam	11.363	113	233559m	42.584	ng/u1	
35) 4-Chloro-3-methylphenol	11.698	107	745280	44.875	ng/u1	99
36) 2-Methylnaphthalene	12.069	142	1540688	41.831	ng/u1	94

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.292	142	1533650	40.953	ng/ul	96
39) 1,2,4,5-Tetrachloroben...	12.439	216	758576	43.404	ng/ul	95
40) Hexachlorocyclopentadiene	12.410	237	432975	43.604	ng/ul	98
41) 2,4,6-Trichlorophenol	12.687	196	537484	48.771	ng/ul	97
42) 2,4,5-Trichlorophenol	12.763	196	587526	47.499	ng/ul	95
43) 1,1'-Biphenyl	13.092	154	1985400	43.030	ng/ul	97
44) 2-Chloronaphthalene	13.134	162	1556275	42.851	ng/ul	99
45) 2-Nitroaniline	13.357	65	476440	48.733	ng/ul	97
47) Dimethylphthalate	13.733	163	1926607	41.524	ng/ul	98
48) 2,6-Dinitrotoluene	13.857	165	420911	48.608	ng/ul	98
50) Acenaphthylene	13.986	152	2472398	41.477	ng/ul	99
51) 3-Nitroaniline	14.186	138	443005	48.200	ng/ul	99
52) Acenaphthene	14.333	153	1668079	41.987	ng/ul	99
53) 2,4-Dinitrophenol	14.398	184	229110	54.097	ng/ul	89
55) 4-Nitrophenol	14.504	109	291145	43.186	ng/ul	97
56) Dibenzofuran	14.669	168	2239928	40.636	ng/ul	97
57) 2,4-Dinitrotoluene	14.651	165	600567	47.475	ng/ul	99
58) 2,3,4,6-Tetrachlorophenol	14.898	232	488613	47.205	ng/ul	96
59) Diethylphthalate	15.104	149	2007180	42.658	ng/ul	98
61) Fluorene	15.322	166	1749329	40.191	ng/ul	99
62) 4-Chlorophenyl-phenyle...	15.322	204	838223	39.316	ng/ul	95
63) 4-Nitroaniline	15.363	138	408544	46.339	ng/ul	98
66) 4,6-Dinitro-2-methylph...	15.410	198	348369	49.347	ng/ul	97
67) N-Nitrosodiphenylamine	15.539	169	1569831	41.065	ng/ul	98
68) 4-Bromophenyl-phenylether	16.216	248	560827	41.793	ng/ul	96
69) Hexachlorobenzene	16.316	284	638179	40.938	ng/ul	99
70) Atrazine	16.498	200	543069	41.159	ng/ul	97
71) Pentachlorophenol	16.669	266	411205	43.851	ng/ul	95
72) Phenanthrene	17.063	178	2902406	40.326	ng/ul	99
74) Anthracene	17.151	178	2909495	40.050	ng/ul	99
75) 1,2,3,4-Tetrachloroben...	13.051	216	763087	43.581	ng/ul	98
76) Pentachlorobenzene	14.586	250	738525	41.841	ng/ul	93
77) Carbazole	17.427	167	2715400	42.620	ng/ul	99
78) Di-n-butylphthalate	17.992	149	3452112	44.283	ng/ul	100
80) Fluoranthene	19.086	202	3303329	46.712	ng/ul	99
82) Pyrene	19.451	202	3229716	43.480	ng/ul	97
83) Butylbenzylphthalate	20.363	149	1518959	52.811	ng/ul	99
84) 3,3'-Dichlorobenzidine	21.174	252	862440	44.092	ng/ul	97
85) Benzo(a)anthracene	21.239	228	3002277	42.034	ng/ul	99
86) Bis(2-ethylhexyl)phtha...	21.168	149	1960342	47.581	ng/ul	99
87) Chrysene	21.298	228	2812794	41.786	ng/ul	97
89) Di-n-octyl phthalate	22.262	149	3316976	53.444	ng/ul	100
90) Benzo(b)fluoranthene	23.239	252	2606380	46.524	ng/ul	98
91) Benzo(k)fluoranthene	23.298	252	2472475	43.844	ng/ul	98
93) Benzo(a)pyrene	24.015	252	2341150	44.577	ng/ul	99
94) Indeno(1,2,3-cd)pyrene	27.392	276	2560189	44.865	ng/ul	98
95) Dibenzo(a,h)anthracene	27.450	278	2139491	44.501	ng/ul	99
96) Benzo(g,h,i)perylene	28.415	276	2073565m	46.026	ng/ul	

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

