

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN081424\
 Data File : BN033369.D
 Acq On : 13 Aug 2024 18:49
 Operator : MA/JU
 Sample : SSTD04077
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 SSTD040213

Quant Time: Aug 14 01:56:23 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-BN081424.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Aug 14 01:18:11 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 08/14/2024
 Supervised By :mohammad ahmed 08/15/2024

08/14/2024
 Supervised By :mohammad
 ahmed

08/15/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.569	152	249933	20.000	ng/u1	0.00
20) Naphthalene-d8	10.340	136	1134952	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.210	164	770901	20.000	ng/u1	0.00
64) Phenanthrene-d10	16.957	188	1677887	20.000	ng/u1	0.00
79) Chrysene-d12	21.198	240	1636532	20.000	ng/u1	0.00
88) Perylene-d12	24.027	264	1885667	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.158	96	95626	15.829	ng/uL	0.00
4) Pyridine-d5	3.540	84	733447	43.128	ng/u1	0.00
7) Phenol-d5	6.752	99	893958	41.722	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	6.916	67	585136	46.688	ng/u1	0.00
11) 2-Chlorophenol-d4	7.110	132	705503	43.154	ng/u1	0.00
15) 4-Methylphenol-d8	8.275	113	752942	43.110	ng/u1	0.00
21) Nitrobenzene-d5	8.710	128	368533	42.468	ng/u1	0.00
24) 2-Nitrophenol-d4	9.428	143	344584	38.440	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	9.963	165	719361	42.985	ng/u1	0.00
31) 4-Chloroaniline-d4	10.475	131	1132678	45.586	ng/u1	0.00
46) Dimethylphthalate-d6	13.634	166	2372196	44.170	ng/u1	0.00
49) Acenaphthylene-d8	13.898	160	2712083	43.918	ng/u1	0.00
54) 4-Nitrophenol-d4	14.416	143	468109	43.533	ng/u1	0.00
60) Fluorene-d10	15.210	176	2008398	44.198	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.334	200	323396	38.345	ng/u1	0.00
73) Anthracene-d10	17.063	188	3156705	43.944	ng/u1	0.00
81) Pyrene-d10	19.363	212	3695641	42.200	ng/u1	0.00
92) Benzo(a)pyrene-d12	23.845	264	4081974	45.335	ng/u1	0.01
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.187	88	101688	15.732	ng/uL	97
5) Pyridine	3.558	79	744237	43.768	ng/u1	99
6) Benzaldehyde	6.722	77	515896	51.334	ng/u1	99
8) Phenol	6.775	94	941341	43.169	ng/u1	98
10) Bis(2-Chloroethyl)ether	7.010	93	756208	41.940	ng/u1	100
12) 2-Chlorophenol	7.140	128	723226	42.273	ng/u1	99
13) 2-Methylphenol	8.010	108	721572	42.844	ng/u1	99
14) 2,2'-oxybis(1-Chloropr...	8.099	45	1231437	59.329	ng/u1	98
16) Acetophenone	8.387	105	1199923	45.333	ng/u1	99
17) N-Nitroso-di-n-propyla...	8.381	70	622798	45.406	ng/u1	100
18) 4-Methylphenol	8.340	108	799831	43.810	ng/u1	99
19) Hexachloroethane	8.640	117	299529	41.344	ng/u1	97
22) Nitrobenzene	8.757	77	891977	43.142	ng/u1	100
23) Isophorone	9.287	82	1807939	42.628	ng/u1	100
25) 2-Nitrophenol	9.457	139	394822	40.314	ng/u1	99
26) 2,4-Dimethylphenol	9.534	107	854246	44.837	ng/u1	97
27) Bis(2-Chloroethoxy)met...	9.769	93	1092846	41.344	ng/u1	97
29) 2,4-Dichlorophenol	9.987	162	736663	44.582	ng/u1	99
30) Naphthalene	10.387	128	2518256	42.872	ng/u1	99
32) 4-Chloroaniline	10.499	127	1094356	45.365	ng/u1	98
33) Hexachlorobutadiene	10.687	225	437610	44.095	ng/u1	90
34) Caprolactam	11.263	113	282670m	43.826	ng/u1	
35) 4-Chloro-3-methylphenol	11.634	107	840652	43.525	ng/u1	98
36) 2-Methylnaphthalene	12.010	142	1792585	44.648	ng/u1	97

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Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.234	142	1786347	44.343	ng/ul	99
39) 1,2,4,5-Tetrachloroben...	12.381	216	893768	43.838	ng/ul	91
40) Hexachlorocyclopentadiene	12.375	237	514963	43.825	ng/ul	96
41) 2,4,6-Trichlorophenol	12.628	196	587068	42.424	ng/ul	96
42) 2,4,5-Trichlorophenol	12.698	196	666059	44.293	ng/ul	96
43) 1,1'-Biphenyl	13.040	154	2332425	43.015	ng/ul	99
44) 2-Chloronaphthalene	13.075	162	1811259	42.648	ng/ul	99
45) 2-Nitroaniline	13.281	65	571210	46.399	ng/ul	97
47) Dimethylphthalate	13.687	163	2359030	42.950	ng/ul	99
48) 2,6-Dinitrotoluene	13.792	165	480936	44.051	ng/ul	95
50) Acenaphthylene	13.928	152	2903353	41.601	ng/ul	99
51) 3-Nitroaniline	14.116	138	519439	44.499	ng/ul	98
52) Acenaphthene	14.275	153	2041093	44.201	ng/ul	98
53) 2,4-Dinitrophenol	14.322	184	210392	38.172	ng/ul	96
55) 4-Nitrophenol	14.434	109	359424	45.059	ng/ul	95
56) Dibenzofuran	14.616	168	2820336	44.954	ng/ul	99
57) 2,4-Dinitrotoluene	14.581	165	707593	44.170	ng/ul	99
58) 2,3,4,6-Tetrachlorophenol	14.839	232	540045	42.934	ng/ul	98
59) Diethylphthalate	15.069	149	2485558	43.856	ng/ul	98
61) Fluorene	15.269	166	2292434	45.375	ng/ul	100
62) 4-Chlorophenyl-phenyle...	15.275	204	1106404	45.214	ng/ul	97
63) 4-Nitroaniline	15.287	138	537331	48.355	ng/ul	97
66) 4,6-Dinitro-2-methylph...	15.345	198	367603	41.001	ng/ul	97
67) N-Nitrosodiphenylamine	15.486	169	2034658	43.993	ng/ul	97
68) 4-Bromophenyl-phenylether	16.163	248	693609	42.665	ng/ul	97
69) Hexachlorobenzene	16.269	284	794871	43.139	ng/ul	93
70) Atrazine	16.451	200	756216	51.786	ng/ul	98
71) Pentachlorophenol	16.610	266	508426	43.128	ng/ul	98
72) Phenanthrene	17.004	178	3692578	43.201	ng/ul	98
74) Anthracene	17.092	178	3773911	43.574	ng/ul	99
75) 1,2,3,4-Tetrachloroben...	12.998	216	936166	43.348	ng/ul	94
76) Pentachlorobenzene	14.534	250	899771	42.774	ng/ul	91
77) Carbazole	17.363	167	3545354	48.007	ng/ul	99
78) Di-n-butylphthalate	17.963	149	4525904	44.545	ng/ul	99
80) Fluoranthene	19.027	202	4346793	41.533	ng/ul	99
82) Pyrene	19.392	202	4616026	42.987	ng/ul	99
83) Butylbenzylphthalate	20.327	149	2036810	40.160	ng/ul	96
84) 3,3'-Dichlorobenzidine	21.116	252	1598083	50.922	ng/ul	99
85) Benzo(a)anthracene	21.180	228	4796181	43.785	ng/ul	98
86) Bis(2-ethylhexyl)phtha...	21.151	149	3243818	43.876	ng/ul	100
87) Chrysene	21.239	228	4334962	42.367	ng/ul	96
89) Di-n-octyl phthalate	22.245	149	5477728	43.391	ng/ul	100
90) Benzo(b)fluoranthene	23.145	252	4820046	42.765	ng/ul	100
91) Benzo(k)fluoranthene	23.210	252	4893424	44.245	ng/ul	98
93) Benzo(a)pyrene	23.904	252	4610716	43.677	ng/ul	97
94) Indeno(1,2,3-cd)pyrene	27.198	276	5820698	47.850	ng/ul	97
95) Dibenzo(a,h)anthracene	27.256	278	4755816	47.887	ng/ul	99
96) Benzo(g,h,i)perylene	28.180	276	4441325	45.929	ng/ul	98

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

