

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM041524\
 Data File : BM045277.D
 Acq On : 16 Apr 2024 12:37
 Operator : MA/JU
 Sample : SSTDCCC020
 Misc :
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTD020102

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 04/17/2024
 Supervised By :mohammad ahmed 04/18/2024

Quant Time: Apr 16 14:20:13 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM040524.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Apr 15 22:24:11 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.581	152	55738	20.000	ng/u1	0.00
20) Naphthalene-d8	10.351	136	225296	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.233	164	138980	20.000	ng/u1	0.00
64) Phenanthrene-d10	16.992	188	275140	20.000	ng/u1	0.00
79) Chrysene-d12	21.203	240	260139	20.000	ng/u1	0.00
88) Perylene-d12	23.403	264	325244	20.000	ng/u1	-0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.175	96	9684	6.488	ng/uL	0.00
4) Pyridine-d5	3.575	84	66354	16.347	ng/u1	0.00
7) Phenol-d5	6.763	99	84330	17.847	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	6.939	67	56606	20.107	ng/u1	0.00
11) 2-Chlorophenol-d4	7.116	132	74259	20.059	ng/u1	0.00
15) 4-Methylphenol-d8	8.292	113	67594	18.275	ng/u1	0.00
21) Nitrobenzene-d5	8.739	128	35642	20.596	ng/u1	0.00
24) 2-Nitrophenol-d4	9.451	143	37873	20.734	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	9.980	165	69734	20.822	ng/u1	0.00
31) 4-Chloroaniline-d4	10.510	131	98127	18.404	ng/u1	-0.01
46) Dimethylphthalate-d6	13.663	166	200241	20.693	ng/u1	0.00
49) Acenaphthylene-d8	13.921	160	231125	20.218	ng/u1	0.00
54) 4-Nitrophenol-d4	14.468	143	30081	14.895	ng/u1	0.00
60) Fluorene-d10	15.233	176	169491	19.646	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.380	200	27310	16.741	ng/u1	0.00
73) Anthracene-d10	17.092	188	251818	20.345	ng/u1	0.00
81) Pyrene-d10	19.397	212	278551	21.746	ng/u1	0.00
92) Benzo(a)pyrene-d12	23.262	264	325082	20.489	ng/u1	-0.01
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.210	88	12015	7.708	ng/uL	98
5) Pyridine	3.593	79	70028	16.282	ng/u1	95
6) Benzaldehyde	6.751	77	54341	24.808	ng/u1	95
8) Phenol	6.792	94	86035	17.583	ng/u1	96
10) Bis(2-Chloroethyl)ether	7.028	93	75966	19.892	ng/u1	96
12) 2-Chlorophenol	7.145	128	76678	19.740	ng/u1	99
13) 2-Methylphenol	8.028	108	65034	18.006	ng/u1	95
14) 2,2'-oxybis(1-Chloropr...	8.104	45	91530	20.095	ng/u1	99
16) Acetophenone	8.410	105	109689	18.241	ng/u1	99
17) N-Nitroso-di-n-propyla...	8.392	70	55908	19.692	ng/u1#	90
18) 4-Methylphenol	8.351	108	70377	18.078	ng/u1	95
19) Hexachloroethane	8.628	117	36461	21.341	ng/u1	97
22) Nitrobenzene	8.786	77	89689	21.124	ng/u1	99
23) Isophorone	9.304	82	157916	20.243	ng/u1	98
25) 2-Nitrophenol	9.486	139	42478	20.952	ng/u1	91
26) 2,4-Dimethylphenol	9.545	107	78176	20.001	ng/u1	99
27) Bis(2-Chloroethoxy)met...	9.792	93	99280	21.468	ng/u1	98
29) 2,4-Dichlorophenol	10.010	162	70067	20.708	ng/u1	97
30) Naphthalene	10.398	128	241676	20.264	ng/u1	99
32) 4-Chloroaniline	10.533	127	94171	18.151	ng/u1	100
33) Hexachlorobutadiene	10.663	225	45335	21.550	ng/u1	97
34) Caprolactam	11.339	113	18135m	15.876	ng/u1	
35) 4-Chloro-3-methylphenol	11.663	107	62595	18.610	ng/u1	94
36) 2-Methylnaphthalene	12.021	142	157992	20.289	ng/u1	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.245	142	159816	20.280	ng/ul	99
39) 1,2,4,5-Tetrachloroben...	12.392	216	79766	20.986	ng/ul	96
40) Hexachlorocyclopentadiene	12.357	237	52148	22.665	ng/ul	96
41) 2,4,6-Trichlorophenol	12.651	196	51953	20.954	ng/ul	96
42) 2,4,5-Trichlorophenol	12.727	196	54939	20.110	ng/ul	97
43) 1,1'-Biphenyl	13.057	154	204940	20.882	ng/ul	98
44) 2-Chloronaphthalene	13.098	162	161797	20.292	ng/ul	97
45) 2-Nitroaniline	13.333	65	43200	19.628	ng/ul	96
47) Dimethylphthalate	13.710	163	205199	20.288	ng/ul	100
48) 2,6-Dinitrotoluene	13.839	165	39396	19.872	ng/ul#	88
50) Acenaphthylene	13.951	152	265615	19.894	ng/ul	99
51) 3-Nitroaniline	14.168	138	38198	17.664	ng/ul	99
52) Acenaphthene	14.298	153	179269	20.122	ng/ul	98
53) 2,4-Dinitrophenol	14.392	184	16910	14.347	ng/ul	87
55) 4-Nitrophenol	14.486	109	28730	16.176	ng/ul	87
56) Dibenzofuran	14.633	168	236012	19.359	ng/ul	94
57) 2,4-Dinitrotoluene	14.633	165	54934	18.512	ng/ul#	81
58) 2,3,4,6-Tetrachlorophenol	14.868	232	45189	19.327	ng/ul	99
59) Diethylphthalate	15.080	149	213950	20.734	ng/ul	98
61) Fluorene	15.292	166	191447	18.631	ng/ul	98
62) 4-Chlorophenyl-phenyle...	15.292	204	93391	19.391	ng/ul	96
63) 4-Nitroaniline	15.345	138	34142m	17.366	ng/ul	
66) 4,6-Dinitro-2-methylph...	15.398	198	29721	17.012	ng/ul#	98
67) N-Nitrosodiphenylamine	15.509	169	159100	21.436	ng/ul	98
68) 4-Bromophenyl-phenylether	16.192	248	59119	22.062	ng/ul	98
69) Hexachlorobenzene	16.286	284	70988	20.365	ng/ul	94
70) Atrazine	16.480	200	55782	20.431	ng/ul	96
71) Pentachlorophenol	16.645	266	38332	18.103	ng/ul	98
72) Phenanthrene	17.033	178	299174	20.206	ng/ul	99
74) Anthracene	17.127	178	309557	20.438	ng/ul	99
75) 1,2,3,4-Tetrachloroben...	13.010	216	78150	22.536	ng/uL	98
76) Pentachlorobenzene	14.545	250	82314	22.309	ng/uL	95
77) Carbazole	17.415	167	270986	18.555	ng/ul	98
78) Di-n-butylphthalate	17.980	149	379899	23.066	ng/ul	99
80) Fluoranthene	19.062	202	335904	22.234	ng/ul	98
82) Pyrene	19.427	202	357366	21.920	ng/ul	99
83) Butylbenzylphthalate	20.356	149	164650	24.105	ng/ul	93
84) 3,3'-Dichlorobenzidine	21.138	252	117784	20.363	ng/ul	98
85) Benzo(a)anthracene	21.191	228	354969	20.110	ng/ul	98
86) Bis(2-ethylhexyl)phtha...	21.133	149	264643	24.786	ng/ul	97
87) Chrysene	21.238	228	333203	20.250	ng/ul	98
89) Di-n-octyl phthalate	22.009	149	462007	22.577	ng/ul	100
90) Benzo(b)fluoranthene	22.744	252	382349	20.170	ng/ul	99
91) Benzo(k)fluoranthene	22.791	252	391317	20.509	ng/ul	98
93) Benzo(a)pyrene	23.309	252	374801	20.315	ng/ul	98
94) Indeno(1,2,3-cd)pyrene	25.603	276	490438	20.522	ng/ul	98
95) Dibenzo(a,h)anthracene	25.621	278	406219	20.331	ng/ul	98
96) Benzo(g,h,i)perylene	26.279	276	390803	20.729	ng/ul	97

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

