

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040724\
 Data File : BM045005.D
 Acq On : 07 Apr 2024 13:43
 Operator : MA/JU
 Sample : SSTDCCC020
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTD020001

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 04/09/2024
 Supervised By :mohammad ahmed 04/09/2024

Quant Time: Apr 08 03:13:55 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM040524.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Apr 08 01:45:36 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.628	152	97311	20.000	ng/u1	0.00
20) Naphthalene-d8	10.404	136	401073	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.274	164	232239	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.033	188	453114	20.000	ng/u1	-0.01
79) Chrysene-d12	21.244	240	427618	20.000	ng/u1	0.00
88) Perylene-d12	23.462	264	500546	20.000	ng/u1	-0.02
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.204	96	19596	7.520	ng/uL	0.00
4) Pyridine-d5	3.604	84	134931	19.040	ng/u1	0.00
7) Phenol-d5	6.810	99	160887	19.502	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	6.981	67	100334	20.414	ng/u1	0.00
11) 2-Chlorophenol-d4	7.163	132	133938	20.724	ng/u1	0.00
15) 4-Methylphenol-d8	8.339	113	126905	19.653	ng/u1	0.00
21) Nitrobenzene-d5	8.792	128	64571	20.959	ng/u1	0.00
24) 2-Nitrophenol-d4	9.498	143	69902	21.497	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.033	165	128260	21.513	ng/u1	0.00
31) 4-Chloroaniline-d4	10.557	131	177108	18.659	ng/u1	0.00
46) Dimethylphthalate-d6	13.704	166	334438	20.682	ng/u1	0.00
49) Acenaphthylene-d8	13.968	160	406279	21.268	ng/u1	0.00
54) 4-Nitrophenol-d4	14.510	143	53737	15.923	ng/u1	0.00
60) Fluorene-d10	15.280	176	291207	20.200	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.415	200	44225	16.461	ng/u1	0.00
73) Anthracene-d10	17.133	188	425131	20.857	ng/u1	-0.01
81) Pyrene-d10	19.439	212	479505	22.773	ng/u1	-0.01
92) Benzo(a)pyrene-d12	23.321	264	520948	21.335	ng/u1	-0.01
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.240	88	19758	7.260	ng/uL	97
5) Pyridine	3.622	79	142315	18.953	ng/u1	97
6) Benzaldehyde	6.792	77	95419	24.951	ng/u1	97
8) Phenol	6.840	94	166163	19.451	ng/u1	95
10) Bis(2-Chloroethyl)ether	7.075	93	136794	20.518	ng/u1	99
12) 2-Chlorophenol	7.198	128	139384	20.553	ng/u1	100
13) 2-Methylphenol	8.075	108	125002	19.824	ng/u1	99
14) 2,2'-oxybis(1-Chloropr...	8.151	45	166281	20.910	ng/u1	98
16) Acetophenone	8.457	105	206373	19.658	ng/u1	98
17) N-Nitroso-di-n-propyla...	8.439	70	104191	21.020	ng/u1#	95
18) 4-Methylphenol	8.404	108	133379	19.625	ng/u1	98
19) Hexachloroethane	8.681	117	61042	20.465	ng/u1	98
22) Nitrobenzene	8.834	77	161538	21.372	ng/u1	98
23) Isophorone	9.351	82	280148	20.173	ng/u1	98
25) 2-Nitrophenol	9.533	139	77652	21.515	ng/u1	91
26) 2,4-Dimethylphenol	9.592	107	145687	20.938	ng/u1	98
27) Bis(2-Chloroethoxy)met...	9.839	93	175276	21.290	ng/u1	99
29) 2,4-Dichlorophenol	10.057	162	126697	21.034	ng/u1	99
30) Naphthalene	10.451	128	436033	20.537	ng/u1	99
32) 4-Chloroaniline	10.586	127	172264	18.651	ng/u1	98
33) Hexachlorobutadiene	10.716	225	78446	20.946	ng/u1	88
34) Caprolactam	11.380	113	33333m	16.392	ng/u1	
35) 4-Chloro-3-methylphenol	11.710	107	119459	19.951	ng/u1	98
36) 2-Methylnaphthalene	12.074	142	284132	20.496	ng/u1	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.298	142	283077	20.179	ng/ul	99
39) 1,2,4,5-Tetrachloroben...	12.445	216	142666	22.462	ng/ul	99
40) Hexachlorocyclopentadiene	12.410	237	69998	18.206	ng/ul	93
41) 2,4,6-Trichlorophenol	12.698	196	93225	22.501	ng/ul	99
42) 2,4,5-Trichlorophenol	12.774	196	99140	21.717	ng/ul	99
43) 1,1'-Biphenyl	13.104	154	362895	22.128	ng/ul	98
44) 2-Chloronaphthalene	13.145	162	288506	21.654	ng/ul	98
45) 2-Nitroaniline	13.374	65	77668	21.118	ng/ul	95
47) Dimethylphthalate	13.751	163	344516	20.384	ng/ul	99
48) 2,6-Dinitrotoluene	13.880	165	67771	20.458	ng/ul	90
50) Acenaphthylene	13.998	152	474104	21.250	ng/ul	99
51) 3-Nitroaniline	14.210	138	70649	19.551	ng/ul	92
52) Acenaphthene	14.339	153	311873	20.948	ng/ul	100
53) 2,4-Dinitrophenol	14.427	184	27210	13.815	ng/ul	92
55) 4-Nitrophenol	14.527	109	46835	15.780	ng/ul	96
56) Dibenzofuran	14.680	168	417586	20.498	ng/ul	100
57) 2,4-Dinitrotoluene	14.674	165	99449	20.055	ng/ul	95
58) 2,3,4,6-Tetrachlorophenol	14.910	232	80086	20.498	ng/ul	95
59) Diethylphthalate	15.121	149	343900	19.944	ng/ul	98
61) Fluorene	15.333	166	342549	19.950	ng/ul	99
62) 4-Chlorophenyl-phenyle...	15.333	204	162193	20.153	ng/ul	96
63) 4-Nitroaniline	15.386	138	63904m	19.452	ng/ul	
66) 4,6-Dinitro-2-methylph...	15.433	198	48313	16.792	ng/ul	96
67) N-Nitrosodiphenylamine	15.557	169	269998	22.089	ng/ul	99
68) 4-Bromophenyl-phenylether	16.233	248	97737	22.147	ng/ul	99
69) Hexachlorobenzene	16.327	284	121530	21.171	ng/ul	96
70) Atrazine	16.521	200	89623	19.933	ng/ul	98
71) Pentachlorophenol	16.686	266	63782	18.291	ng/ul	98
72) Phenanthrene	17.080	178	507854	20.828	ng/ul	98
74) Anthracene	17.168	178	517688	20.755	ng/ul	100
75) 1,2,3,4-Tetrachloroben...	13.063	216	140480	24.598	ng/uL	98
76) Pentachlorobenzene	14.592	250	140849	23.180	ng/uL	100
77) Carbazole	17.451	167	461247	19.178	ng/ul	100
78) Di-n-butylphthalate	18.021	149	577520	21.292	ng/ul	100
80) Fluoranthene	19.103	202	577878	23.269	ng/ul	99
82) Pyrene	19.468	202	613514	22.893	ng/ul	99
83) Butylbenzylphthalate	20.392	149	256519	22.846	ng/ul	96
84) 3,3'-Dichlorobenzidine	21.174	252	187591	19.730	ng/ul	96
85) Benzo(a)anthracene	21.227	228	619388	21.347	ng/ul	99
86) Bis(2-ethylhexyl)phtha...	21.174	149	398375	22.698	ng/ul	98
87) Chrysene	21.280	228	560162	20.710	ng/ul	99
89) Di-n-octyl phthalate	22.056	149	663656	21.073	ng/ul	100
90) Benzo(b)fluoranthene	22.797	252	633082	21.700	ng/ul	99
91) Benzo(k)fluoranthene	22.844	252	620356	21.126	ng/ul	98
93) Benzo(a)pyrene	23.368	252	598271	21.071	ng/ul	100
94) Indeno(1,2,3-cd)pyrene	25.697	276	753035	20.475	ng/ul	99
95) Dibenzo(a,h)anthracene	25.709	278	629760	20.480	ng/ul	98
96) Benzo(g,h,i)perylene	26.374	276	599628	20.666	ng/ul	98

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

