

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM010224\
 Data File : BM043734.D
 Acq On : 03 Jan 2024 15:44
 Operator : MA/JU
 Sample : SSTDCCC020
 Misc :
 ALS Vial : 48 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTD020180

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 01/04/2024
 Supervised By :mohammad ahmed 01/05/2024

Quant Time: Jan 04 01:01:42 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM121523.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Dec 29 22:31:57 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.963	152	348708	20.000	ng/u1	0.00
20) Naphthalene-d8	10.775	136	1546064	20.000	ng/u1	0.01
38) Acenaphthene-d10	14.604	164	911575	20.000	ng/u1	0.01
64) Phenanthrene-d10	17.351	188	1842718	20.000	ng/u1	0.01
79) Chrysene-d12	21.539	240	1586982	20.000	ng/u1	0.02
88) Perylene-d12	23.962	264	1753030	20.000	ng/u1	0.03
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.369	96	74466	6.940	ng/uL	0.00
4) Pyridine-d5	3.799	84	551007	17.843	ng/u1	0.01
7) Phenol-d5	7.146	99	726837	18.323	ng/u1	0.03
9) Bis-(2-Chloroethyl)eth...	7.304	67	428188	17.044	ng/u1	0.00
11) 2-Chlorophenol-d4	7.498	132	573669	18.941	ng/u1	0.01
15) 4-Methylphenol-d8	8.692	113	562901	18.287	ng/u1	0.02
21) Nitrobenzene-d5	9.140	128	284637	19.029	ng/u1	0.01
24) 2-Nitrophenol-d4	9.857	143	319401	20.666	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.404	165	562671	20.623	ng/u1	0.02
31) 4-Chloroaniline-d4	10.928	131	739663	18.427	ng/u1	0.02
46) Dimethylphthalate-d6	14.022	166	1536219	18.721	ng/u1	0.00
49) Acenaphthylene-d8	14.298	160	1839439	18.896	ng/u1	0.01
54) 4-Nitrophenol-d4	14.845	143	278085	17.905	ng/u1	0.05
60) Fluorene-d10	15.598	176	1303089	19.203	ng/u1	0.01
65) 4,6-Dinitro-2-methylph...	15.733	200	174459	14.315	ng/u1	0.02
73) Anthracene-d10	17.451	188	1945442	18.825	ng/u1	0.01
81) Pyrene-d10	19.745	212	2084009	16.633	ng/u1	0.02
92) Benzo(a)pyrene-d12	23.803	264	2025797	18.726	ng/u1	0.03
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.405	88	81004	6.834	ng/uL	98
5) Pyridine	3.822	79	568665	17.807	ng/u1	99
6) Benzaldehyde	7.110	77	325640	17.313	ng/u1	96
8) Phenol	7.175	94	717441	18.384	ng/u1	98
10) Bis(2-Chloroethyl)ether	7.398	93	559563	17.661	ng/u1	97
12) 2-Chlorophenol	7.528	128	584841	18.955	ng/u1	97
13) 2-Methylphenol	8.422	108	547152	18.464	ng/u1	98
14) 2,2'-oxybis(1-Chloropr...	8.492	45	948034	17.819	ng/u1	99
16) Acetophenone	8.804	105	827207	17.552	ng/u1	98
17) N-Nitroso-di-n-propyla...	8.787	70	462238	16.433	ng/u1	99
18) 4-Methylphenol	8.757	108	582881	18.149	ng/u1	99
19) Hexachloroethane	9.034	117	191016	14.683	ng/u1#	85
22) Nitrobenzene	9.181	77	651911	17.610	ng/u1	99
23) Isophorone	9.710	82	1296514	17.265	ng/u1	99
25) 2-Nitrophenol	9.892	139	327877	19.961	ng/u1	96
26) 2,4-Dimethylphenol	9.957	107	558546	19.088	ng/u1	98
27) Bis(2-Chloroethoxy)met...	10.192	93	749311	16.899	ng/u1	99
29) 2,4-Dichlorophenol	10.434	162	539466	20.374	ng/u1	96
30) Naphthalene	10.822	128	1870706	18.985	ng/u1	99
32) 4-Chloroaniline	10.951	127	715949	18.549	ng/u1	99
33) Hexachlorobutadiene	11.086	225	305940	22.662	ng/u1	99
34) Caprolactam	11.763	113	170286	20.125	ng/u1	99
35) 4-Chloro-3-methylphenol	12.081	107	579035	18.618	ng/u1	98
36) 2-Methylnaphthalene	12.433	142	1243090	18.533	ng/u1	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.651	142	1283220	18.968	ng/ul	100
39) 1,2,4,5-Tetrachloroben...	12.792	216	572035	20.595	ng/ul	96
40) Hexachlorocyclopentadiene	12.757	237	279772	16.054	ng/ul	98
41) 2,4,6-Trichlorophenol	13.045	196	401908	20.357	ng/ul	99
42) 2,4,5-Trichlorophenol	13.127	196	434323	20.719	ng/ul	98
43) 1,1'-Biphenyl	13.439	154	1575248	18.128	ng/ul	99
44) 2-Chloronaphthalene	13.486	162	1246566	18.711	ng/ul	98
45) 2-Nitroaniline	13.704	65	399357	17.876	ng/ul	95
47) Dimethylphthalate	14.069	163	1514699	18.691	ng/ul	99
48) 2,6-Dinitrotoluene	14.198	165	311131	19.858	ng/ul	97
50) Acenaphthylene	14.327	152	2087956	18.678	ng/ul	100
51) 3-Nitroaniline	14.533	138	350272	19.474	ng/ul	94
52) Acenaphthene	14.669	153	1390683	18.876	ng/ul	99
53) 2,4-Dinitrophenol	14.745	184	151952	18.218	ng/ul	95
55) 4-Nitrophenol	14.863	109	201240	16.686	ng/ul	98
56) Dibenzofuran	15.004	168	1815193	19.077	ng/ul	96
57) 2,4-Dinitrotoluene	14.986	165	443106	20.018	ng/ul	99
58) 2,3,4,6-Tetrachlorophenol	15.233	232	344472	21.448	ng/ul	91
59) Diethylphthalate	15.427	149	1569553	18.899	ng/ul	99
61) Fluorene	15.651	166	1564325	19.244	ng/ul	99
62) 4-Chlorophenyl-phenyle...	15.645	204	687684	19.233	ng/ul	96
63) 4-Nitroaniline	15.692	138	370857m	22.526	ng/ul	
66) 4,6-Dinitro-2-methylph...	15.745	198	186911	14.365	ng/ul	95
67) N-Nitrosodiphenylamine	15.863	169	1243831	17.573	ng/ul	100
68) 4-Bromophenyl-phenylether	16.539	248	420197	19.248	ng/ul	97
69) Hexachlorobenzene	16.645	284	505338	20.204	ng/ul	94
70) Atrazine	16.827	200	273200	17.610	ng/ul	98
71) Pentachlorophenol	17.004	266	376889	24.926	ng/ul	99
72) Phenanthrene	17.398	178	2310868	18.503	ng/ul	100
74) Anthracene	17.486	178	2364435	18.759	ng/ul	100
75) 1,2,3,4-Tetrachloroben...	13.398	216	579018	19.133	ng/ul	99
76) Pentachlorobenzene	14.916	250	574393	19.493	ng/ul	97
77) Carbazole	17.768	167	2159993	20.079	ng/ul	100
78) Di-n-butylphthalate	18.321	149	2748744	19.545	ng/ul	100
80) Fluoranthene	19.409	202	2509234	16.172	ng/ul	95
82) Pyrene	19.774	202	2601993	16.313	ng/ul	96
83) Butylbenzylphthalate	20.674	149	1238475	17.959	ng/ul	94
84) 3,3'-Dichlorobenzidine	21.456	252	649920	16.628	ng/ul	98
85) Benzo(a)anthracene	21.521	228	2480163	18.690	ng/ul	100
86) Bis(2-ethylhexyl)phtha...	21.450	149	1696278	17.277	ng/ul#	98
87) Chrysene	21.574	228	2251478	18.859	ng/ul	98
89) Di-n-octyl phthalate	22.392	149	3089766	18.425	ng/ul	100
90) Benzo(b)fluoranthene	23.221	252	2354180	17.524	ng/ul	98
91) Benzo(k)fluoranthene	23.274	252	2488530	18.993	ng/ul	98
93) Benzo(a)pyrene	23.856	252	2287753	18.666	ng/ul	98
94) Indeno(1,2,3-cd)pyrene	26.497	276	2857854	19.528	ng/ul	98
95) Dibenzo(a,h)anthracene	26.515	278	2391631	19.736	ng/ul	98
96) Benzo(g,h,i)perylene	27.274	276	2158493	18.815	ng/ul	96

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

