

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM111723\
 Data File : BM042900.D
 Acq On : 19 Nov 2023 11:24
 Operator : MA/JU
 Sample : SSTDCCC020
 Misc :
 ALS Vial : 57 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTD020153

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 11/20/2023
 Supervised By :mohammad ahmed 11/20/2023

Quant Time: Nov 19 22:07:49 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM111323.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sat Nov 18 22:06:09 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.810	152	28682	20.000	ng/u1	0.00
20) Naphthalene-d8	10.622	136	114400	20.000	ng/u1	# 0.00
38) Acenaphthene-d10	14.468	164	76624	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.221	188	171112	20.000	ng/u1	0.00
79) Chrysene-d12	21.409	240	197777	20.000	ng/u1	0.00
88) Perylene-d12	23.762	264	227363	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.169	96	6976	7.632	ng/uL	0.00
4) Pyridine-d5	3.610	84	43596	19.174	ng/u1	0.00
7) Phenol-d5	6.981	99	50884	18.228	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.163	67	39713	20.246	ng/u1	0.00
11) 2-Chlorophenol-d4	7.334	132	38249	17.758	ng/u1	0.00
15) 4-Methylphenol-d8	8.534	113	37835	17.214	ng/u1	0.00
21) Nitrobenzene-d5	9.016	128	17144	17.093	ng/u1	0.00
24) 2-Nitrophenol-d4	9.728	143	19371	16.509	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.245	165	39242	17.987	ng/u1	0.00
31) 4-Chloroaniline-d4	10.804	131	45452	16.408	ng/u1	0.00
46) Dimethylphthalate-d6	13.892	166	125594	17.319	ng/u1	0.00
49) Acenaphthylene-d8	14.168	160	137699	17.746	ng/u1	0.00
54) 4-Nitrophenol-d4	14.721	143	8662	10.572	ng/u1	0.00
60) Fluorene-d10	15.463	176	106637	17.757	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.610	200	18250	14.080	ng/u1	0.00
73) Anthracene-d10	17.321	188	171228	17.856	ng/u1	0.00
81) Pyrene-d10	19.621	212	218145	16.844	ng/u1	0.00
92) Benzo(a)pyrene-d12	23.609	264	234388	17.235	ng/u1	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.204	88	7729	7.940	ng/uL	90
5) Pyridine	3.628	79	46158	18.669	ng/u1	90
6) Benzaldehyde	6.981	77	36232	22.623	ng/u1	94
8) Phenol	7.004	94	51335	18.488	ng/u1	91
10) Bis(2-Chloroethyl)ether	7.257	93	42309	18.447	ng/u1	89
12) 2-Chlorophenol	7.369	128	38606	18.010	ng/u1#	89
13) 2-Methylphenol	8.263	108	35078	16.941	ng/u1	99
14) 2,2'-oxybis(1-Chloropr...	8.322	45	87478m	20.951	ng/u1	
16) Acetophenone	8.663	105	62990	17.044	ng/u1	91
17) N-Nitroso-di-n-propyla...	8.628	70	40762	18.118	ng/u1	95
18) 4-Methylphenol	8.598	108	38763	17.219	ng/u1	98
19) Hexachloroethane	8.863	117	22383	18.734	ng/u1	91
22) Nitrobenzene	9.057	77	60969	20.112	ng/u1	94
23) Isophorone	9.563	82	106154	17.582	ng/u1	97
25) 2-Nitrophenol	9.757	139	20272	17.005	ng/u1	93
26) 2,4-Dimethylphenol	9.798	107	44553	17.468	ng/u1	98
27) Bis(2-Chloroethoxy)met...	10.051	93	56500	18.519	ng/u1	99
29) 2,4-Dichlorophenol	10.275	162	37087	17.955	ng/u1	98
30) Naphthalene	10.675	128	128648	17.950	ng/u1	97
32) 4-Chloroaniline	10.828	127	44366	16.695	ng/u1	99
33) Hexachlorobutadiene	10.892	225	33841	18.547	ng/u1	97
34) Caprolactam	11.645	113	9355m	15.275	ng/u1	
35) 4-Chloro-3-methylphenol	11.933	107	38970	17.607	ng/u1	100
36) 2-Methylnaphthalene	12.286	142	83998	17.487	ng/u1	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.504	142	89484	17.718	ng/ul	98
39) 1,2,4,5-Tetrachloroben...	12.639	216	56617	18.840	ng/ul	98
40) Hexachlorocyclopentadiene	12.580	237	21101	14.832	ng/ul	91
41) 2,4,6-Trichlorophenol	12.904	196	31254	17.027	ng/ul	98
42) 2,4,5-Trichlorophenol	12.980	196	30745	17.346	ng/ul	96
43) 1,1'-Biphenyl	13.304	154	117885	18.448	ng/ul	97
44) 2-Chloronaphthalene	13.351	162	91569	17.812	ng/ul	96
45) 2-Nitroaniline	13.604	65	30200	18.013	ng/ul	93
47) Dimethylphthalate	13.939	163	121467	17.197	ng/ul	99
48) 2,6-Dinitrotoluene	14.092	165	21666	16.327	ng/ul	86
50) Acenaphthylene	14.198	152	154970	17.824	ng/ul	98
51) 3-Nitroaniline	14.439	138	16205	14.934	ng/ul	100
52) Acenaphthene	14.533	153	106621	18.133	ng/ul	97
53) 2,4-Dinitrophenol	14.657	184	6627	10.044	ng/ul#	86
55) 4-Nitrophenol	14.745	109	21321m	16.537	ng/ul	
56) Dibenzofuran	14.868	168	146186	17.912	ng/ul	99
57) 2,4-Dinitrotoluene	14.880	165	32961	16.919	ng/ul	98
58) 2,3,4,6-Tetrachlorophenol	15.092	232	32406	17.613	ng/ul	98
59) Diethylphthalate	15.286	149	125077	16.887	ng/ul	99
61) Fluorene	15.515	166	125666	18.136	ng/ul	99
62) 4-Chlorophenyl-phenyle...	15.510	204	67560	18.092	ng/ul	97
63) 4-Nitroaniline	15.604	138	17187	17.374	ng/ul	93
66) 4,6-Dinitro-2-methylph...	15.627	198	19223	14.568	ng/ul#	84
67) N-Nitrosodiphenylamine	15.739	169	96144	17.915	ng/ul	97
68) 4-Bromophenyl-phenylether	16.410	248	40812	17.918	ng/ul	87
69) Hexachlorobenzene	16.486	284	49377	17.734	ng/ul	96
70) Atrazine	16.692	200	35210	17.033	ng/ul	96
71) Pentachlorophenol	16.857	266	25457	15.877	ng/ul	96
72) Phenanthrene	17.262	178	196159	18.350	ng/ul	98
74) Anthracene	17.357	178	200792	18.674	ng/ul	100
75) 1,2,3,4-Tetrachloroben...	13.257	216	56732	18.750	ng/uL	100
76) Pentachlorobenzene	14.763	250	59088	18.612	ng/uL	100
77) Carbazole	17.651	167	154488	17.400	ng/ul	99
78) Di-n-butylphthalate	18.168	149	216895	16.706	ng/ul	99
80) Fluoranthene	19.286	202	243501	16.490	ng/ul	99
82) Pyrene	19.650	202	264972	16.923	ng/ul	99
83) Butylbenzylphthalate	20.533	149	99584	14.891	ng/ul	92
84) 3,3'-Dichlorobenzidine	21.339	252	78838	15.575	ng/ul	98
85) Benzo(a)anthracene	21.392	228	274523	17.682	ng/ul	98
86) Bis(2-ethylhexyl)phtha...	21.274	149	147288	14.516	ng/ul	97
87) Chrysene	21.444	228	256953	17.065	ng/ul	99
89) Di-n-octyl phthalate	22.186	149	261537	14.240	ng/ul	100
90) Benzo(b)fluoranthene	23.038	252	277473	17.883	ng/ul	99
91) Benzo(k)fluoranthene	23.086	252	291809	17.667	ng/ul	98
93) Benzo(a)pyrene	23.656	252	265093	17.533	ng/ul	98
94) Indeno(1,2,3-cd)pyrene	26.215	276	333533	17.750	ng/ul	98
95) Dibenzo(a,h)anthracene	26.232	278	265753	17.059	ng/ul	99
96) Benzo(g,h,i)perylene	26.985	276	263720	17.674	ng/ul	97

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

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