

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122123\
 Data File : BM043546.D
 Acq On : 22 Dec 2023 19:36
 Operator : MA/JU
 Sample : SSTDCCC020EC
 Misc :
 ALS Vial : 50 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTD020173

Quant Time: Dec 23 01:20:10 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM121523.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Dec 21 21:59:32 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 12/25/2023
 Supervised By :mohammad ahmed 12/25/2023

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.969	152	281601	20.000	ng/u1	0.00
20) Naphthalene-d8	10.775	136	1181864	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.604	164	634015	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.351	188	1184797	20.000	ng/u1	0.00
79) Chrysene-d12	21.527	240	1004155	20.000	ng/u1	0.00
88) Perylene-d12	23.939	264	1107445	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.369	96	68558	7.913	ng/uL	0.00
4) Pyridine-d5	3.793	84	492027	19.731	ng/u1	0.00
7) Phenol-d5	7.128	99	584399	18.243	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.304	67	388542	19.151	ng/u1	0.00
11) 2-Chlorophenol-d4	7.493	132	443811	18.145	ng/u1	0.00
15) 4-Methylphenol-d8	8.681	113	430438	17.316	ng/u1	0.00
21) Nitrobenzene-d5	9.140	128	209642	18.334	ng/u1	0.00
24) 2-Nitrophenol-d4	9.863	143	205385	17.384	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.392	165	376284	18.041	ng/u1	0.00
31) 4-Chloroaniline-d4	10.922	131	564577	18.400	ng/u1	0.00
46) Dimethylphthalate-d6	14.022	166	1039551	18.214	ng/u1	0.00
49) Acenaphthylene-d8	14.298	160	1270860	18.770	ng/u1	0.00
54) 4-Nitrophenol-d4	14.804	143	205505	19.024	ng/u1	0.00
60) Fluorene-d10	15.592	176	881869	18.685	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.716	200	127096	16.220	ng/u1	0.00
73) Anthracene-d10	17.445	188	1263469	19.015	ng/u1	0.00
81) Pyrene-d10	19.733	212	1252493	15.799	ng/u1	0.00
92) Benzo(a)pyrene-d12	23.780	264	1248645	18.271	ng/u1	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.405	88	74735	7.807	ng/uL	98
5) Pyridine	3.811	79	508350	19.712	ng/u1	94
6) Benzaldehyde	7.116	77	298947m	19.682	ng/u1	
8) Phenol	7.157	94	586152	18.599	ng/u1	99
10) Bis(2-Chloroethyl)ether	7.404	93	484399	18.932	ng/u1	100
12) 2-Chlorophenol	7.528	128	453843	18.215	ng/u1	99
13) 2-Methylphenol	8.410	108	421699	17.622	ng/u1	98
14) 2,2'-oxybis(1-Chloropr...	8.498	45	828561	19.285	ng/u1	98
16) Acetophenone	8.804	105	688765	18.098	ng/u1	99
17) N-Nitroso-di-n-propyla...	8.787	70	385089	16.953	ng/u1	97
18) 4-Methylphenol	8.745	108	451556	17.411	ng/u1	99
19) Hexachloroethane	9.045	117	196409	18.695	ng/u1	97
22) Nitrobenzene	9.187	77	549788	19.428	ng/u1	97
23) Isophorone	9.710	82	999528	17.412	ng/u1	98
25) 2-Nitrophenol	9.892	139	231712	18.453	ng/u1	97
26) 2,4-Dimethylphenol	9.951	107	422485	18.888	ng/u1	100
27) Bis(2-Chloroethoxy)met...	10.198	93	630445	18.600	ng/u1	99
29) 2,4-Dichlorophenol	10.422	162	369094	18.235	ng/u1	98
30) Naphthalene	10.828	128	1424836	18.916	ng/u1	100
32) 4-Chloroaniline	10.945	127	561170	19.019	ng/u1	100
33) Hexachlorobutadiene	11.098	225	188442	18.260	ng/u1	99
34) Caprolactam	11.728	113	107978	16.694	ng/u1	89
35) 4-Chloro-3-methylphenol	12.063	107	410106	17.250	ng/u1	99
36) 2-Methylnaphthalene	12.434	142	915828	17.862	ng/u1	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.651	142	929829	17.980	ng/ul	99
39) 1,2,4,5-Tetrachloroben...	12.792	216	348207	18.025	ng/ul	99
40) Hexachlorocyclopentadiene	12.769	237	247331	20.406	ng/ul	96
41) 2,4,6-Trichlorophenol	13.039	196	239345	17.430	ng/ul	99
42) 2,4,5-Trichlorophenol	13.110	196	260638	17.876	ng/ul	99
43) 1,1'-Biphenyl	13.445	154	1150470	19.036	ng/ul	99
44) 2-Chloronaphthalene	13.486	162	886506	19.132	ng/ul	100
45) 2-Nitroaniline	13.698	65	301660	19.414	ng/ul	97
47) Dimethylphthalate	14.069	163	1049681	18.623	ng/ul	99
48) 2,6-Dinitrotoluene	14.192	165	196683	18.049	ng/ul	90
50) Acenaphthylene	14.327	152	1474397	18.963	ng/ul	99
51) 3-Nitroaniline	14.522	138	230289	18.409	ng/ul	97
52) Acenaphthene	14.669	153	974560	19.019	ng/ul	99
53) 2,4-Dinitrophenol	14.727	184	127073	21.905	ng/ul	92
55) 4-Nitrophenol	14.816	109	170949	20.380	ng/ul	95
56) Dibenzofuran	15.004	168	1243332	18.787	ng/ul	100
57) 2,4-Dinitrotoluene	14.975	165	287039	18.644	ng/ul#	93
58) 2,3,4,6-Tetrachlorophenol	15.227	232	187331	16.770	ng/ul	96
59) Diethylphthalate	15.433	149	1087660	18.830	ng/ul	98
61) Fluorene	15.651	166	1075282	19.019	ng/ul	99
62) 4-Chlorophenyl-phenyle...	15.645	204	451878	18.170	ng/ul	94
63) 4-Nitroaniline	15.680	138	236044	20.614	ng/ul	97
66) 4,6-Dinitro-2-methylph...	15.733	198	144877	17.318	ng/ul	99
67) N-Nitrosodiphenylamine	15.863	169	853607	18.757	ng/ul	99
68) 4-Bromophenyl-phenylether	16.545	248	243022	17.313	ng/ul	98
69) Hexachlorobenzene	16.639	284	289139	17.980	ng/ul	92
70) Atrazine	16.816	200	165654	16.607	ng/ul	99
71) Pentachlorophenol	16.992	266	189187	19.460	ng/ul	98
72) Phenanthrene	17.392	178	1528003	19.028	ng/ul	100
74) Anthracene	17.480	178	1569178	19.363	ng/ul	100
75) 1,2,3,4-Tetrachloroben...	13.404	216	349141	17.944	ng/uL	99
76) Pentachlorobenzene	14.916	250	336467	17.759	ng/uL	98
77) Carbazole	17.757	167	1450213	20.967	ng/ul	100
78) Di-n-butylphthalate	18.327	149	1823049	20.161	ng/ul	99
80) Fluoranthene	19.404	202	1550057	15.789	ng/ul	100
82) Pyrene	19.762	202	1657915	16.427	ng/ul	97
83) Butylbenzylphthalate	20.668	149	762887	17.483	ng/ul	93
84) 3,3'-Dichlorobenzidine	21.445	252	494123	19.980	ng/ul	98
85) Benzo(a)anthracene	21.509	228	1571496	18.716	ng/ul	99
86) Bis(2-ethylhexyl)phtha...	21.451	149	1236444	19.903	ng/ul	98
87) Chrysene	21.562	228	1429729	18.927	ng/ul	99
89) Di-n-octyl phthalate	22.386	149	1931881	18.236	ng/ul	100
90) Benzo(b)fluoranthene	23.203	252	1511829	17.814	ng/ul	99
91) Benzo(k)fluoranthene	23.250	252	1528877	18.471	ng/ul	99
93) Benzo(a)pyrene	23.833	252	1459505	18.850	ng/ul	99
94) Indeno(1,2,3-cd)pyrene	26.456	276	1835009	19.848	ng/ul	97
95) Dibenzo(a,h)anthracene	26.474	278	1539433	20.109	ng/ul	99
96) Benzo(g,h,i)perylene	27.221	276	1421214	19.610	ng/ul	99

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

