

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM121124\
 Data File : BM048959.D
 Acq On : 11 Dec 2024 18:20
 Operator : RC/JU
 Sample : SSTD04063
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTD040002

Quant Time: Dec 12 00:43:30 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM121124.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Dec 12 00:21:01 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 12/12/2024
 Supervised By :mohammad ahmed 12/12/2024

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.575	152	194347	20.000	ng/u1	0.00
20) Naphthalene-d8	10.339	136	786865	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.210	164	438558	20.000	ng/u1	0.00
64) Phenanthrene-d10	16.956	188	774665	20.000	ng/u1	0.00
79) Chrysene-d12	21.186	240	726322	20.000	ng/u1	0.00
88) Perylene-d12	23.997	264	673592	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.151	96	88647	18.184	ng/uL	0.00
4) Pyridine-d5	3.540	84	692397	51.536	ng/u1	0.00
7) Phenol-d5	6.757	99	699509	47.282	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	6.922	67	482081	54.251	ng/u1	0.00
11) 2-Chlorophenol-d4	7.110	132	543022	44.310	ng/u1	0.00
15) 4-Methylphenol-d8	8.281	113	524296	45.070	ng/u1	0.00
21) Nitrobenzene-d5	8.716	128	254451	44.616	ng/u1	0.00
24) 2-Nitrophenol-d4	9.433	143	245430	40.459	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	9.969	165	493733	43.813	ng/u1	0.00
31) 4-Chloroaniline-d4	10.480	131	720185	44.993	ng/u1	0.00
46) Dimethylphthalate-d6	13.633	166	1278560	45.671	ng/u1	0.00
49) Acenaphthylene-d8	13.898	160	1620012	49.081	ng/u1	0.00
54) 4-Nitrophenol-d4	14.421	143	245448	47.204	ng/u1	0.00
60) Fluorene-d10	15.210	176	1115809	45.660	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.327	200	163562	41.971	ng/u1	0.00
73) Anthracene-d10	17.056	188	1647715	50.263	ng/u1	0.00
81) Pyrene-d10	19.356	212	1773010	48.641	ng/u1	0.00
92) Benzo(a)pyrene-d12	23.809	264	1532073	48.680	ng/u1	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.181	88	96368	18.012	ng/uL	96
5) Pyridine	3.557	79	722495	52.386	ng/u1	96
6) Benzaldehyde	6.722	77	419242	57.344	ng/u1	100
8) Phenol	6.787	94	759606	48.936	ng/u1	100
10) Bis(2-Chloroethyl)ether	7.010	93	603541	49.477	ng/u1	99
12) 2-Chlorophenol	7.145	128	566337	44.607	ng/u1	99
13) 2-Methylphenol	8.016	108	520294	45.281	ng/u1	98
14) 2,2'-oxybis(1-Chloropr...	8.098	45	890070	49.617	ng/u1	100
16) Acetophenone	8.386	105	896364	49.432	ng/u1	98
17) N-Nitroso-di-n-propyla...	8.386	70	468400	54.966	ng/u1	97
18) 4-Methylphenol	8.345	108	572796	45.527	ng/u1	98
19) Hexachloroethane	8.639	117	240473	44.820	ng/u1	98
22) Nitrobenzene	8.757	77	675812	52.262	ng/u1	100
23) Isophorone	9.286	82	1193414	49.894	ng/u1	98
25) 2-Nitrophenol	9.463	139	286997	43.413	ng/u1	98
26) 2,4-Dimethylphenol	9.533	107	556767	45.089	ng/u1	98
27) Bis(2-Chloroethoxy)met...	9.769	93	756538	50.671	ng/u1	98
29) 2,4-Dichlorophenol	9.992	162	501466	43.870	ng/u1	98
30) Naphthalene	10.386	128	1751438	43.976	ng/u1	99
32) 4-Chloroaniline	10.504	127	695100	46.056	ng/u1	99
33) Hexachlorobutadiene	10.686	225	308619	39.897	ng/u1	97
34) Caprolactam	11.274	113	147828m	41.033	ng/u1	
35) 4-Chloro-3-methylphenol	11.633	107	493542	44.620	ng/u1	99
36) 2-Methylnaphthalene	12.010	142	1129918	44.340	ng/u1	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.233	142	1117741	42.740	ng/ul	99
39) 1,2,4,5-Tetrachloroben...	12.386	216	578355	46.021	ng/ul	96
40) Hexachlorocyclopentadiene	12.369	237	336633	52.405	ng/ul	100
41) 2,4,6-Trichlorophenol	12.627	196	342920	43.199	ng/ul	98
42) 2,4,5-Trichlorophenol	12.698	196	372190	44.027	ng/ul	99
43) 1,1'-Biphenyl	13.039	154	1416227	47.228	ng/ul	99
44) 2-Chloronaphthalene	13.074	162	1115416	47.138	ng/ul	98
45) 2-Nitroaniline	13.280	65	323140	54.379	ng/ul	97
47) Dimethylphthalate	13.680	163	1274716	45.329	ng/ul	100
48) 2,6-Dinitrotoluene	13.792	165	241054	44.965	ng/ul	94
50) Acenaphthylene	13.927	152	1741239	47.860	ng/ul	100
51) 3-Nitroaniline	14.115	138	265343	45.577	ng/ul	99
52) Acenaphthene	14.274	153	1211729	47.308	ng/ul	99
53) 2,4-Dinitrophenol	14.321	184	102567	35.583	ng/ul	99
55) 4-Nitrophenol	14.433	109	174842	46.511	ng/ul	93
56) Dibenzofuran	14.610	168	1599347	45.263	ng/ul	96
57) 2,4-Dinitrotoluene	14.580	165	349474	44.847	ng/ul	98
58) 2,3,4,6-Tetrachlorophenol	14.839	232	273259	38.859	ng/ul	97
59) Diethylphthalate	15.057	149	1256384	45.346	ng/ul	98
61) Fluorene	15.262	166	1345475	48.096	ng/ul	97
62) 4-Chlorophenyl-phenyle...	15.268	204	661374	47.987	ng/ul	98
63) 4-Nitroaniline	15.286	138	258761	45.137	ng/ul	94
66) 4,6-Dinitro-2-methylph...	15.345	198	183991	43.386	ng/ul#	95
67) N-Nitrosodiphenylamine	15.480	169	1021463	50.030	ng/ul	97
68) 4-Bromophenyl-phenylether	16.162	248	337315	46.171	ng/ul	94
69) Hexachlorobenzene	16.268	284	390132	44.246	ng/ul	97
70) Atrazine	16.445	200	352593	47.450	ng/ul	99
71) Pentachlorophenol	16.609	266	223400	39.865	ng/ul	97
72) Phenanthrene	16.998	178	1892333	49.254	ng/ul	100
74) Anthracene	17.092	178	1925917	49.948	ng/ul	100
75) 1,2,3,4-Tetrachloroben...	12.998	216	548779	49.659	ng/uL	98
76) Pentachlorobenzene	14.533	250	523975	48.665	ng/uL	99
77) Carbazole	17.362	167	1754487	50.517	ng/ul	99
78) Di-n-butylphthalate	17.951	149	1950017	47.757	ng/ul	100
80) Fluoranthene	19.021	202	2031574	48.034	ng/ul	98
82) Pyrene	19.386	202	2240402	48.853	ng/ul	100
83) Butylbenzylphthalate	20.315	149	764070	43.374	ng/ul	98
84) 3,3'-Dichlorobenzidine	21.103	252	532584	40.357	ng/ul	99
85) Benzo(a)anthracene	21.168	228	2082024	45.473	ng/ul	100
86) Bis(2-ethylhexyl)phtha...	21.127	149	1093595	42.555	ng/ul	99
87) Chrysene	21.227	228	1943030	44.162	ng/ul	99
89) Di-n-octyl phthalate	22.203	149	1661302	43.750	ng/ul	100
90) Benzo(b)fluoranthene	23.121	252	1841482	49.662	ng/ul	99
91) Benzo(k)fluoranthene	23.180	252	1916100	51.827	ng/ul	98
93) Benzo(a)pyrene	23.868	252	1751032	50.227	ng/ul	99
94) Indeno(1,2,3-cd)pyrene	27.126	276	2127212	46.952	ng/ul	99
95) Dibenzo(a,h)anthracene	27.185	278	1731130	46.781	ng/ul	99
96) Benzo(g,h,i)perylene	28.103	276	1623126	45.691	ng/ul	99

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

