

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM012225\
 Data File : BM049386.D
 Acq On : 22 Jan 2025 16:51
 Operator : RC/JU
 Sample : Q1139-04MS
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 DCZH2MS

Quant Time: Jan 22 22:47:38 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM011325.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Jan 13 16:56:06 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 01/24/2025
 Supervised By :mohammad ahmed 01/24/2025

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.516	152	264009	20.000	ng/ul	0.00
20) Naphthalene-d8	10.281	136	1003101	20.000	ng/ul	0.00
38) Acenaphthene-d10	14.157	164	634360	20.000	ng/ul	0.00
64) Phenanthrene-d10	16.910	188	1163584	20.000	ng/ul	0.00
79) Chrysene-d12	21.139	240	1012707	20.000	ng/ul	0.00
88) Perylene-d12	23.921	264	905021	20.000	ng/ul	-0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.122	96	28330	4.440	ng/uL	0.00
4) Pyridine-d5	3.510	84	414021	20.382	ng/ul	0.00
7) Phenol-d5	6.716	99	517604	23.355	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	6.869	67	356325	24.146	ng/ul	0.00
11) 2-Chlorophenol-d4	7.063	132	407732	24.050	ng/ul	0.00
15) 4-Methylphenol-d8	8.234	113	385891	22.454	ng/ul	0.00
21) Nitrobenzene-d5	8.663	128	185825	24.293	ng/ul	0.00
24) 2-Nitrophenol-d4	9.381	143	202812	23.717	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	9.916	165	438933	25.155	ng/ul	0.00
31) 4-Chloroaniline-d4	10.422	131	456995	19.903	ng/ul	0.00
46) Dimethylphthalate-d6	13.580	166	1145062	24.252	ng/ul	0.00
49) Acenaphthylene-d8	13.845	160	1341291	24.885	ng/ul	0.00
54) 4-Nitrophenol-d4	14.386	143	163686	20.936	ng/ul	0.00
60) Fluorene-d10	15.157	176	987322	24.206	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.286	200	163930	22.106	ng/ul	0.00
73) Anthracene-d10	17.010	188	1409076	24.497	ng/ul	0.00
81) Pyrene-d10	19.315	212	1467652	23.813	ng/ul	0.00
92) Benzo(a)pyrene-d12	23.727	264	1153726	23.748	ng/ul	-0.02
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.152	88	90347	12.924	ng/uL	94
5) Pyridine	3.528	79	694709	33.832	ng/ul	97
6) Benzaldehyde	6.675	77	46473	3.890	ng/ul	98
8) Phenol	6.740	94	758398	32.914	ng/ul	96
10) Bis(2-Chloroethyl)ether	6.963	93	604863	32.235	ng/ul	99
12) 2-Chlorophenol	7.093	128	586160	33.262	ng/ul	98
13) 2-Methylphenol	7.969	108	530169	31.492	ng/ul	96
14) 2,2'-oxybis(1-Chloropr...	8.040	45	983883	34.987	ng/ul	98
16) Acetophenone	8.334	105	890186	31.715	ng/ul	97
17) N-Nitroso-di-n-propyla...	8.328	70	496270	32.734	ng/ul	95
18) 4-Methylphenol	8.298	108	578148	31.345	ng/ul	99
19) Hexachloroethane	8.581	117	258798	34.179	ng/ul	95
22) Nitrobenzene	8.704	77	684227	34.527	ng/ul	99
23) Isophorone	9.234	82	1250578	32.478	ng/ul	100
25) 2-Nitrophenol	9.410	139	312465	33.247	ng/ul	98
26) 2,4-Dimethylphenol	9.481	107	587513	33.402	ng/ul	98
27) Bis(2-Chloroethoxy)met...	9.716	93	791089	33.427	ng/ul	98
29) 2,4-Dichlorophenol	9.939	162	586547	33.739	ng/ul	98
30) Naphthalene	10.328	128	1803986	33.887	ng/ul	99
32) 4-Chloroaniline	10.445	127	342799	15.656	ng/ul	98
33) Hexachlorobutadiene	10.622	225	427030	34.402	ng/ul	100
34) Caprolactam	11.228	113	137143m	26.499	ng/ul	
35) 4-Chloro-3-methylphenol	11.586	107	523328	32.195	ng/ul	100
36) 2-Methylnaphthalene	11.951	142	1261192	33.107	ng/ul	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.175	142	1253917	33.082	ng/ul	99
39) 1,2,4,5-Tetrachloroben...	12.328	216	782400	35.632	ng/ul	98
40) Hexachlorocyclopentadiene	12.310	237	395782	30.042	ng/ul	99
41) 2,4,6-Trichlorophenol	12.580	196	475595	35.209	ng/ul	99
42) 2,4,5-Trichlorophenol	12.651	196	500236	34.553	ng/ul	99
43) 1,1'-Biphenyl	12.986	154	1652991	35.590	ng/ul	99
44) 2-Chloronaphthalene	13.022	162	1325158	35.677	ng/ul	98
45) 2-Nitroaniline	13.239	65	348526	35.560	ng/ul	100
47) Dimethylphthalate	13.633	163	1548715	33.159	ng/ul	99
48) 2,6-Dinitrotoluene	13.745	165	299436	34.364	ng/ul	98
50) Acenaphthylene	13.874	152	1888830	34.182	ng/ul	100
51) 3-Nitroaniline	14.074	138	250258	29.272	ng/ul	97
52) Acenaphthene	14.222	153	1368183	34.655	ng/ul	100
53) 2,4-Dinitrophenol	14.280	184	142153	26.048	ng/ul	95
55) 4-Nitrophenol	14.398	109	170752	29.616	ng/ul	100
56) Dibenzofuran	14.563	168	1887523	33.667	ng/ul	97
57) 2,4-Dinitrotoluene	14.539	165	430124	33.264	ng/ul	100
58) 2,3,4,6-Tetrachlorophenol	14.798	232	393256	32.156	ng/ul	96
59) Diethylphthalate	15.010	149	1475378	32.413	ng/ul	99
61) Fluorene	15.216	166	1584803	34.597	ng/ul	99
62) 4-Chlorophenyl-phenyle...	15.221	204	849538	34.030	ng/ul	96
63) 4-Nitroaniline	15.245	138	267805	34.815	ng/ul	99
66) 4,6-Dinitro-2-methylph...	15.304	198	255686	31.622	ng/ul	98
67) N-Nitrosodiphenylamine	15.433	169	1245232	36.068	ng/ul	100
68) 4-Bromophenyl-phenylether	16.116	248	463338	35.020	ng/ul	97
69) Hexachlorobenzene	16.221	284	522580	33.960	ng/ul	98
70) Atrazine	16.398	200	420724	29.807	ng/ul	99
71) Pentachlorophenol	16.568	266	302105	29.634	ng/ul	98
72) Phenanthrene	16.951	178	2235885	34.564	ng/ul	99
74) Anthracene	17.045	178	2225319	34.273	ng/ul	99
75) 1,2,3,4-Tetrachloroben...	12.945	216	740239	38.065	ng/uL	99
76) Pentachlorobenzene	14.480	250	677017	34.879	ng/uL	100
77) Carbazole	17.321	167	1862133	32.324	ng/ul	100
78) Di-n-butylphthalate	17.904	149	2374287	33.637	ng/ul	99
80) Fluoranthene	18.980	202	2461421	34.756	ng/ul	98
82) Pyrene	19.345	202	2591736	34.379	ng/ul	100
83) Butylbenzylphthalate	20.268	149	902673	33.821	ng/ul	99
84) 3,3'-Dichlorobenzidine	21.062	252	540501	28.502	ng/ul	98
85) Benzo(a)anthracene	21.121	228	2370759	33.592	ng/ul	100
86) Bis(2-ethylhexyl)phtha...	21.074	149	1363779	34.358	ng/ul	98
87) Chrysene	21.180	228	2214963	34.378	ng/ul	99
89) Di-n-octyl phthalate	22.139	149	2052364	31.129	ng/ul	100
90) Benzo(b)fluoranthene	23.050	252	2062183	34.043	ng/ul	100
91) Benzo(k)fluoranthene	23.109	252	2150869	35.612	ng/ul	100
93) Benzo(a)pyrene	23.791	252	1911205	34.930	ng/ul	99
94) Indeno(1,2,3-cd)pyrene	27.003	276	2324929	37.042	ng/ul	98
95) Dibenzo(a,h)anthracene	27.056	278	1904661	37.258	ng/ul	99
96) Benzo(g,h,i)perylene	27.968	276	1773404	37.849	ng/ul	99

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

