

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM022624\
 Data File : BM044399.D
 Acq On : 28 Feb 2024 11:59
 Operator : MA/JU
 Sample : P1508-02MS
 Misc :
 ALS Vial : 81 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 BH3Z5MS

Quant Time: Feb 28 23:55:57 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM022324.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Feb 27 23:05:48 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/29/2024
 Supervised By :mohammad ahmed 02/29/2024

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.945	152	210730	20.000	ng/u1	0.00
20) Naphthalene-d8	10.751	136	947621	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.586	164	547907	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.339	188	1122038	20.000	ng/u1	0.00
79) Chrysene-d12	21.539	240	931831	20.000	ng/u1	0.00
88) Perylene-d12	23.956	264	1003454	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.369	96	28945	4.334	ng/uL	0.00
4) Pyridine-d5	3.787	84	260692	14.292	ng/u1	0.00
7) Phenol-d5	7.110	99	164607	8.154	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.287	67	548829	41.983	ng/u1	0.00
11) 2-Chlorophenol-d4	7.475	132	503565	33.120	ng/u1	0.00
15) 4-Methylphenol-d8	8.663	113	305439	19.997	ng/u1	0.00
21) Nitrobenzene-d5	9.122	128	348607	45.245	ng/u1	0.01
24) 2-Nitrophenol-d4	9.839	143	362609	46.128	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.375	165	575545	41.506	ng/u1	0.00
31) 4-Chloroaniline-d4	10.898	131	872252	37.454	ng/u1	0.00
46) Dimethylphthalate-d6	14.016	166	1931643	45.712	ng/u1	0.01
49) Acenaphthylene-d8	14.280	160	2267689	46.642	ng/u1	0.00
54) 4-Nitrophenol-d4	14.792	143	67685	8.049	ng/u1	0.00
60) Fluorene-d10	15.580	176	1657661	46.347	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.710	200	317323	45.579	ng/u1	0.00
73) Anthracene-d10	17.439	188	2541780	47.510	ng/u1	0.00
81) Pyrene-d10	19.733	212	2851944	50.873	ng/u1	0.00
92) Benzo(a)pyrene-d12	23.803	264	2567379	49.932	ng/u1	0.01
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.404	88	39014	5.542	ng/uL	93
5) Pyridine	3.804	79	266112	13.945	ng/u1	99
6) Benzaldehyde	7.092	77	406902m	46.435	ng/u1	
8) Phenol	7.140	94	177235	8.446	ng/u1	99
10) Bis(2-Chloroethyl)ether	7.381	93	713079	40.599	ng/u1	98
12) 2-Chlorophenol	7.504	128	509589	32.397	ng/u1	98
13) 2-Methylphenol	8.392	108	364869	23.602	ng/u1	97
14) 2,2'-oxybis(1-Chloropr...	8.481	45	961976	40.058	ng/u1	98
16) Acetophenone	8.781	105	1067334	43.737	ng/u1	99
17) N-Nitroso-di-n-propyla...	8.769	70	548268	44.849	ng/u1	98
18) 4-Methylphenol	8.728	108	333469	20.249	ng/u1	99
19) Hexachloroethane	9.016	117	277366	41.565	ng/u1	97
22) Nitrobenzene	9.163	77	778289	41.768	ng/u1	98
23) Isophorone	9.692	82	1570369	43.484	ng/u1	100
25) 2-Nitrophenol	9.869	139	373607	42.853	ng/u1	98
26) 2,4-Dimethylphenol	9.933	107	422294	25.367	ng/u1	99
27) Bis(2-Chloroethoxy)met...	10.180	93	985475	41.976	ng/u1	99
29) 2,4-Dichlorophenol	10.398	162	547764	39.031	ng/u1	99
30) Naphthalene	10.804	128	2238429	41.534	ng/u1	100
32) 4-Chloroaniline	10.922	127	691768	30.482	ng/u1	100
33) Hexachlorobutadiene	11.075	225	348188	41.182	ng/u1	98
34) Caprolactam	11.722	113	24708m	5.093	ng/u1	
35) 4-Chloro-3-methylphenol	12.045	107	539028	36.052	ng/u1	98
36) 2-Methylnaphthalene	12.416	142	1480941	43.141	ng/u1	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.633	142	1462361	43.093	ng/ul	99
39) 1,2,4,5-Tetrachloroben...	12.774	216	694702	42.831	ng/ul	100
40) Hexachlorocyclopentadiene	12.745	237	314892	28.856	ng/ul	98
41) 2,4,6-Trichlorophenol	13.021	196	450439	43.568	ng/ul	99
42) 2,4,5-Trichlorophenol	13.086	196	484115	43.316	ng/ul	97
43) 1,1'-Biphenyl	13.427	154	1878778	42.119	ng/ul	98
44) 2-Chloronaphthalene	13.469	162	1495430	42.816	ng/ul	99
45) 2-Nitroaniline	13.680	65	463612	47.944	ng/ul	98
47) Dimethylphthalate	14.063	163	1874564	43.404	ng/ul	100
48) 2,6-Dinitrotoluene	14.186	165	389935	48.278	ng/ul	94
50) Acenaphthylene	14.310	152	2506107	43.518	ng/ul	99
51) 3-Nitroaniline	14.510	138	387445	45.471	ng/ul	94
52) Acenaphthene	14.651	153	1634861	43.003	ng/ul	99
53) 2,4-Dinitrophenol	14.715	184	189137	37.738	ng/ul	94
55) 4-Nitrophenol	14.810	109	45208	7.826	ng/ul	97
56) Dibenzofuran	14.986	168	2190005	42.912	ng/ul	99
57) 2,4-Dinitrotoluene	14.963	165	567671	48.923	ng/ul	99
58) 2,3,4,6-Tetrachlorophenol	15.210	232	397070	44.146	ng/ul	99
59) Diethylphthalate	15.421	149	1998189	44.947	ng/ul	98
61) Fluorene	15.639	166	1783993	43.523	ng/ul	100
62) 4-Chlorophenyl-phenyle...	15.639	204	843945	43.687	ng/ul	99
63) 4-Nitroaniline	15.668	138	413495m	50.173	ng/ul	
66) 4,6-Dinitro-2-methylph...	15.721	198	317882	41.739	ng/ul	94
67) N-Nitrosodiphenylamine	15.851	169	1533160	45.089	ng/ul	100
68) 4-Bromophenyl-phenylether	16.533	248	509383	45.692	ng/ul	96
69) Hexachlorobenzene	16.633	284	581531	45.575	ng/ul	98
70) Atrazine	16.815	200	347750	31.221	ng/ul	99
71) Pentachlorophenol	16.980	266	349861	41.607	ng/ul	99
72) Phenanthrene	17.380	178	2851456	44.300	ng/ul	100
74) Anthracene	17.474	178	2885883	44.530	ng/ul	100
75) 1,2,3,4-Tetrachloroben...	13.386	216	697414	44.403	ng/ul	98
76) Pentachlorobenzene	14.898	250	665554	44.388	ng/ul	97
77) Carbazole	17.751	167	2744688	45.040	ng/ul	99
78) Di-n-butylphthalate	18.327	149	3728939	48.330	ng/ul	100
80) Fluoranthene	19.398	202	3238509	48.167	ng/ul	99
82) Pyrene	19.762	202	3354037	47.568	ng/ul	100
83) Butylbenzylphthalate	20.680	149	1669109	52.703	ng/ul	99
84) 3,3'-Dichlorobenzidine	21.462	252	985671	47.290	ng/ul	99
85) Benzo(a)anthracene	21.521	228	3229375	46.468	ng/ul	99
86) Bis(2-ethylhexyl)phtha...	21.468	149	2515247	51.874	ng/ul	100
87) Chrysene	21.574	228	2979406	45.608	ng/ul	100
89) Di-n-octyl phthalate	22.415	149	4408322	51.275	ng/ul	100
90) Benzo(b)fluoranthene	23.221	252	3053883	47.472	ng/ul	100
91) Benzo(k)fluoranthene	23.274	252	3115535	47.154	ng/ul	99
93) Benzo(a)pyrene	23.856	252	2884362	46.505	ng/ul	100
94) Indeno(1,2,3-cd)pyrene	26.491	276	3483001	46.438	ng/ul	100
95) Dibenzo(a,h)anthracene	26.521	278	2912442	46.467	ng/ul	99
96) Benzo(g,h,i)perylene	27.268	276	2783021	45.870	ng/ul	98

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

