

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM041124\
 Data File : BM045192.D
 Acq On : 13 Apr 2024 05:06
 Operator : MA/JU
 Sample : P1979-03MSD 10X
 Misc :
 ALS Vial : 56 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 E0M17MSD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 04/16/2024
 Supervised By :mohammad ahmed 04/16/2024

Quant Time: Apr 13 05:36:26 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM040524.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Apr 11 18:54:49 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.610	152	80745	20.000	ng/u1	-0.01
20) Naphthalene-d8	10.381	136	327730	20.000	ng/u1	-0.01
38) Acenaphthene-d10	14.257	164	191660	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.015	188	353673	20.000	ng/u1	-0.01
79) Chrysene-d12	21.227	240	245679	20.000	ng/u1	0.00
88) Perylene-d12	23.439	264	291611	20.000	ng/u1	-0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.205	96	8939	4.134	ng/uL	0.00
4) Pyridine-d5	3.605	84	38027	6.467	ng/u1	0.00
7) Phenol-d5	6.793	99	57146	8.348	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	6.969	67	134482	32.975	ng/u1	0.00
11) 2-Chlorophenol-d4	7.146	132	148384	27.669	ng/u1	0.00
15) 4-Methylphenol-d8	8.322	113	96827	18.071	ng/u1	0.00
21) Nitrobenzene-d5	8.775	128	92896	36.902	ng/u1	0.00
24) 2-Nitrophenol-d4	9.481	143	98774	37.174	ng/u1	-0.01
28) 2,4-Dichlorophenol-d3	10.010	165	162884	33.435	ng/u1	-0.01
31) 4-Chloroaniline-d4	10.539	131	124485	16.050	ng/u1	-0.01
46) Dimethylphthalate-d6	13.686	166	513672	38.492	ng/u1	0.00
49) Acenaphthylene-d8	13.951	160	591597	37.526	ng/u1	0.00
54) 4-Nitrophenol-d4	14.498	143	20379	7.317	ng/u1	0.00
60) Fluorene-d10	15.263	176	433539	36.441	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.404	200	76736	36.593	ng/u1	0.00
73) Anthracene-d10	17.115	188	622356	39.117	ng/u1	-0.01
81) Pyrene-d10	19.421	212	630160	52.091	ng/u1	-0.01
92) Benzo(a)pyrene-d12	23.297	264	582082	40.918	ng/u1	-0.01
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.234	88	11280	4.995	ng/uL#	1
5) Pyridine	3.622	79	44521	7.146	ng/u1	100
6) Benzaldehyde	6.781	77	114212	35.993	ng/u1	99
8) Phenol	6.822	94	56238	7.934	ng/u1	96
10) Bis(2-Chloroethyl)ether	7.057	93	168149	30.395	ng/u1	99
12) 2-Chlorophenol	7.175	128	143959	25.582	ng/u1	98
13) 2-Methylphenol	8.057	108	103397	19.762	ng/u1	96
14) 2,2'-oxybis(1-Chloropr...	8.134	45	198209	30.039	ng/u1	98
16) Acetophenone	8.440	105	270842	31.092	ng/u1	98
17) N-Nitroso-di-n-propyla...	8.422	70	130542	31.739	ng/u1	92
18) 4-Methylphenol	8.387	108	96960	17.193	ng/u1	98
19) Hexachloroethane	8.657	117	72913	29.460	ng/u1	97
22) Nitrobenzene	8.816	77	210276	34.046	ng/u1	99
23) Isophorone	9.334	82	374552	33.007	ng/u1	99
25) 2-Nitrophenol	9.516	139	98486	33.395	ng/u1#	88
26) 2,4-Dimethylphenol	9.575	107	129630	22.799	ng/u1	99
27) Bis(2-Chloroethoxy)met...	9.822	93	221326	32.900	ng/u1	98
29) 2,4-Dichlorophenol	10.039	162	148592	30.190	ng/u1	97
30) Naphthalene	10.434	128	552707	31.858	ng/u1	99
32) 4-Chloroaniline	10.563	127	108053	14.317	ng/u1	100
33) Hexachlorobutadiene	10.692	225	94058	30.735	ng/u1	93
34) Caprolactam	11.381	113	7972m	4.798	ng/u1	
35) 4-Chloro-3-methylphenol	11.686	107	141536	28.928	ng/u1	98
36) 2-Methylnaphthalene	12.051	142	368755	32.553	ng/u1	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.275	142	369125	32.201	ng/ul	96
39) 1,2,4,5-Tetrachloroben...	12.422	216	181267	34.583	ng/ul	98
40) Hexachlorocyclopentadiene	12.386	237	77282	24.356	ng/ul	97
41) 2,4,6-Trichlorophenol	12.675	196	120155	35.141	ng/ul	97
42) 2,4,5-Trichlorophenol	12.751	196	131083	34.794	ng/ul	95
43) 1,1'-Biphenyl	13.086	154	475094	35.104	ng/ul	98
44) 2-Chloronaphthalene	13.122	162	381482	34.694	ng/ul	99
45) 2-Nitroaniline	13.357	65	117880	38.837	ng/ul	95
47) Dimethylphthalate	13.733	163	489721	35.110	ng/ul	99
48) 2,6-Dinitrotoluene	13.863	165	103889	38.000	ng/ul	89
50) Acenaphthylene	13.980	152	633920	34.428	ng/ul	98
51) 3-Nitroaniline	14.198	138	92920	31.159	ng/ul	96
52) Acenaphthene	14.322	153	428865	34.906	ng/ul	100
53) 2,4-Dinitrophenol	14.410	184	47252	29.071	ng/ul	94
55) 4-Nitrophenol	14.510	109	16131	6.586	ng/ul#	83
56) Dibenzofuran	14.663	168	566845	33.715	ng/ul	98
57) 2,4-Dinitrotoluene	14.657	165	141952	34.688	ng/ul	86
58) 2,3,4,6-Tetrachlorophenol	14.892	232	104276	32.340	ng/ul	99
59) Diethylphthalate	15.104	149	485195	34.097	ng/ul	97
61) Fluorene	15.316	166	475001	33.521	ng/ul	97
62) 4-Chlorophenyl-phenyle...	15.316	204	215299	32.415	ng/ul	92
63) 4-Nitroaniline	15.368	138	87620	32.317	ng/ul	91
66) 4,6-Dinitro-2-methylph...	15.421	198	76278	33.966	ng/ul	98
67) N-Nitrosodiphenylamine	15.539	169	369641	38.743	ng/ul	99
68) 4-Bromophenyl-phenylether	16.215	248	133964	38.892	ng/ul	97
69) Hexachlorobenzene	16.310	284	167818	37.454	ng/ul	95
70) Atrazine	16.504	200	39362	11.216	ng/ul	98
71) Pentachlorophenol	16.668	266	83323	30.614	ng/ul	97
72) Phenanthrene	17.063	178	704721	37.027	ng/ul	98
74) Anthracene	17.157	178	698034	35.854	ng/ul	98
75) 1,2,3,4-Tetrachloroben...	13.039	216	180754	40.549	ng/uL	97
76) Pentachlorobenzene	14.574	250	188765	39.800	ng/uL	98
77) Carbazole	17.439	167	627004	33.400	ng/ul	99
78) Di-n-butylphthalate	18.004	149	737173	34.820	ng/ul	99
80) Fluoranthene	19.086	202	717183	50.265	ng/ul	99
82) Pyrene	19.451	202	731604	47.516	ng/ul	100
83) Butylbenzylphthalate	20.380	149	253976	39.370	ng/ul	97
84) 3,3'-Dichlorobenzidine	21.162	252	128023	23.436	ng/ul	95
85) Benzo(a)anthracene	21.215	228	627195	37.624	ng/ul	99
86) Bis(2-ethylhexyl)phtha...	21.156	149	319311	31.666	ng/ul	98
87) Chrysene	21.268	228	586379	37.734	ng/ul	99
89) Di-n-octyl phthalate	22.039	149	490542	26.736	ng/ul	100
90) Benzo(b)fluoranthene	22.780	252	652708	38.403	ng/ul	100
91) Benzo(k)fluoranthene	22.827	252	619208	36.196	ng/ul	99
93) Benzo(a)pyrene	23.344	252	621496	37.572	ng/ul	99
94) Indeno(1,2,3-cd)pyrene	25.662	276	832427	38.850	ng/ul	98
95) Dibenzo(a,h)anthracene	25.680	278	685554	38.268	ng/ul	98
96) Benzo(g,h,i)perylene	26.338	276	701565	41.504	ng/ul	99

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

