

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM011224\
 Data File : BM043832.D
 Acq On : 12 Jan 2024 17:40
 Operator : MA/JU
 Sample : SP6380
 Misc : SFAM SPIKE SOLUTION
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SP6380

Quant Time: Jan 12 18:14:05 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM010924.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Jan 10 01:07:47 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 01/15/2024
 Supervised By :mohammad ahmed 01/16/2024

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.946	152	256459	20.000	ng/u1	0.00
20) Naphthalene-d8	10.757	136	1188700	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.592	164	765964	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.345	188	1613330	20.000	ng/u1	0.00
79) Chrysene-d12	21.533	240	1541322	20.000	ng/u1	0.00
88) Perylene-d12	23.956	264	1475683	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	0.000	96	0d	0.000	ng/uL	
4) Pyridine-d5	0.000	84	0d	0.000	ng/u1	
7) Phenol-d5	0.000	99	0	0.000	ng/u1	
9) Bis-(2-Chloroethyl)eth...	0.000	67	0d	0.000	ng/u1	
11) 2-Chlorophenol-d4	0.000	132	0d	0.000	ng/u1	
15) 4-Methylphenol-d8	0.000	113	0d	0.000	ng/u1	
21) Nitrobenzene-d5	0.000	128	0d	0.000	ng/u1	
24) 2-Nitrophenol-d4	0.000	143	0	0.000	ng/u1	
28) 2,4-Dichlorophenol-d3	0.000	165	0d	0.000	ng/u1	
31) 4-Chloroaniline-d4	0.000	131	0d	0.000	ng/u1	
46) Dimethylphthalate-d6	0.000	166	0d	0.000	ng/u1	
49) Acenaphthylene-d8	0.000	160	0d	0.000	ng/u1	
54) 4-Nitrophenol-d4	0.000	143	0d	0.000	ng/u1	
60) Fluorene-d10	0.000	176	0d	0.000	ng/u1	
65) 4,6-Dinitro-2-methylph...	0.000	200	0d	0.000	ng/u1	
73) Anthracene-d10	0.000	188	0d	0.000	ng/u1	
81) Pyrene-d10	0.000	212	0d	0.000	ng/u1	
92) Benzo(a)pyrene-d12	0.000	264	0d	0.000	ng/u1	
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.381	88	223276	32.038	ng/uL	96
5) Pyridine	3.793	79	1705671	81.247	ng/u1	93
6) Benzaldehyde	7.093	77	1135964	110.894	ng/u1	97
8) Phenol	7.146	94	2416692	92.707	ng/u1	99
10) Bis(2-Chloroethyl)ether	7.381	93	1841852	87.637	ng/u1	98
12) 2-Chlorophenol	7.510	128	1864878	95.162	ng/u1	99
13) 2-Methylphenol	8.398	108	1886109	93.930	ng/u1	98
14) 2,2'-oxybis(1-Chloropr...	8.475	45	3157028	89.095	ng/u1	100
16) Acetophenone	8.787	105	2884232	89.974	ng/u1	99
17) N-Nitroso-di-n-propyla...	8.775	70	1662786	93.843	ng/u1	99
18) 4-Methylphenol	8.740	108	2051096	94.026	ng/u1	98
19) Hexachloroethane	9.016	117	750950	88.424	ng/u1	98
22) Nitrobenzene	9.169	77	2221365	89.428	ng/u1	98
23) Isophorone	9.704	82	4590766	90.099	ng/u1	100
25) 2-Nitrophenol	9.875	139	1058735	89.295	ng/u1	96
26) 2,4-Dimethylphenol	9.940	107	2174273	94.540	ng/u1	99
27) Bis(2-Chloroethoxy)met...	10.181	93	2676986	88.584	ng/u1	99
29) 2,4-Dichlorophenol	10.410	162	1883904	94.589	ng/u1	99
30) Naphthalene	10.810	128	6095048	88.125	ng/u1	100
32) 4-Chloroaniline	10.934	127	2098046	67.855	ng/u1	100
33) Hexachlorobutadiene	11.069	225	973911	87.389	ng/u1	99
34) Caprolactam	11.769	113	659801m	92.010	ng/u1	
35) 4-Chloro-3-methylphenol	12.069	107	2095479	94.954	ng/u1	98
36) 2-Methylnaphthalene	12.416	142	4410327	91.474	ng/u1	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.639	142	4525580	94.139	ng/ul	99
39) 1,2,4,5-Tetrachloroben...	12.781	216	2058473	90.365	ng/ul	99
40) Hexachlorocyclopentadiene	12.745	237	1290121	84.681	ng/ul	99
41) 2,4,6-Trichlorophenol	13.033	196	1518719	93.898	ng/ul	99
42) 2,4,5-Trichlorophenol	13.110	196	1621355	94.407	ng/ul	99
43) 1,1'-Biphenyl	13.428	154	5830495	89.147	ng/ul	100
44) 2-Chloronaphthalene	13.475	162	4480790	88.911	ng/ul	99
45) 2-Nitroaniline	13.698	65	1525297	95.896	ng/ul	100
47) Dimethylphthalate	14.063	163	5781880	89.652	ng/ul	100
48) 2,6-Dinitrotoluene	14.198	165	1221264	95.548	ng/ul	96
50) Acenaphthylene	14.316	152	7649071	89.625	ng/ul	99
51) 3-Nitroaniline	14.527	138	1133132	83.837	ng/ul	99
52) Acenaphthene	14.657	153	5113719	90.357	ng/ul	100
53) 2,4-Dinitrophenol	14.739	184	734384	92.459	ng/ul	98
55) 4-Nitrophenol	14.839	109	833020	87.005	ng/ul	94
56) Dibenzofuran	14.992	168	6899916	90.743	ng/ul	99
57) 2,4-Dinitrotoluene	14.986	165	1850623	98.286	ng/ul	97
58) 2,3,4,6-Tetrachlorophenol	15.222	232	1364408	95.350	ng/ul	95
59) Diethylphthalate	15.422	149	6059616	88.135	ng/ul	99
61) Fluorene	15.645	166	6083176	93.325	ng/ul	100
62) 4-Chlorophenyl-phenyle...	15.639	204	2971495	97.383	ng/ul	94
63) 4-Nitroaniline	15.698	138	1134288	104.461	ng/ul	97
66) 4,6-Dinitro-2-methylph...	15.745	198	1016078	82.869	ng/ul#	99
67) N-Nitrosodiphenylamine	15.863	169	4869295	91.711	ng/ul	100
68) 4-Bromophenyl-phenylether	16.533	248	1683104	93.245	ng/ul	98
69) Hexachlorobenzene	16.639	284	1971786	92.596	ng/ul	98
70) Atrazine	16.827	200	1715361	89.322	ng/ul	99
71) Pentachlorophenol	16.992	266	1204024	89.933	ng/ul	100
72) Phenanthrene	17.392	178	9120650	92.056	ng/ul	99
74) Anthracene	17.480	178	9352623	92.758	ng/ul	98
75) 1,2,3,4-Tetrachloroben...	13.392	216	2102890	92.977	ng/uL	100
76) Pentachlorobenzene	14.904	250	2180165	94.472	ng/uL	99
77) Carbazole	17.763	167	8474449	90.667	ng/ul	99
78) Di-n-butylphthalate	18.321	149	10781442	84.945	ng/ul	97
80) Fluoranthene	19.404	202	10448676	89.699	ng/ul	99
82) Pyrene	19.768	202	10742663	88.993	ng/ul	100
83) Butylbenzylphthalate	20.674	149	5100669	89.358	ng/ul	99
84) 3,3'-Dichlorobenzidine	21.456	252	3314463	89.322	ng/ul	99
85) Benzo(a)anthracene	21.521	228	10424978	88.579	ng/ul	97
86) Bis(2-ethylhexyl)phtha...	21.445	149	7775002	85.525	ng/ul	97
87) Chrysene	21.574	228	9545118	89.847	ng/ul	97
89) Di-n-octyl phthalate	22.386	149	11823903	86.069	ng/ul	100
90) Benzo(b)fluoranthene	23.227	252	9991187	96.596	ng/ul	98
91) Benzo(k)fluoranthene	23.274	252	9600722	94.236	ng/ul	98
93) Benzo(a)pyrene	23.856	252	9038611	95.467	ng/ul	99
94) Indeno(1,2,3-cd)pyrene	26.503	276	10642713	98.498	ng/ul	100
95) Dibenzo(a,h)anthracene	26.521	278	8997514	100.498	ng/ul	98
96) Benzo(g,h,i)perylene	27.280	276	7758478	94.557	ng/ul	98

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

