

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM110724\  
 Data File : BM048518.D  
 Acq On : 07 Nov 2024 19:16  
 Operator : RC/JU  
 Sample : SSTDICV020  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

**Instrument :**  
 BNA\_M  
**ClientSampleId :**

Quant Time: Nov 07 22:54:50 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-BM110724.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Thu Nov 07 22:50:20 2024  
 Response via : Initial Calibration

**Manual Integrations**  
**APPROVED**  
 Reviewed By :Yogesh Patel

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
Internal Standards							11/08/2024
1) 1,4-Dichlorobenzene-d4	7.663	152	156934	20.000	ng/ul	0.00	Supervised By :mohammad Ahmed
20) Naphthalene-d8	10.451	136	628030	20.000	ng/ul	0.00	
38) Acenaphthene-d10	14.316	164	381374	20.000	ng/ul	0.00	
64) Phenanthrene-d10	17.057	188	765102	20.000	ng/ul	0.00	
79) Chrysene-d12	21.286	240	751107	20.000	ng/ul	0.00	
88) Perylene-d12	24.197	264	896826	20.000	ng/ul	0.00	11/08/2024
System Monitoring Compounds							
3) 1,4-Dioxane-d8	3.128	96	28129	7.145	ng/uL	0.00	
4) Pyridine-d5	3.546	84	201196	18.545	ng/ul	0.00	
7) Phenol-d5	6.845	99	228650	19.140	ng/ul	0.00	
9) Bis-(2-Chloroethyl)eth...	7.004	67	146815	20.461	ng/ul	0.00	
11) 2-Chlorophenol-d4	7.198	132	194694	19.674	ng/ul	0.00	
15) 4-Methylphenol-d8	8.381	113	179884	19.150	ng/ul	0.00	
21) Nitrobenzene-d5	8.822	128	92866	20.402	ng/ul	0.00	
24) 2-Nitrophenol-d4	9.545	143	100400	20.737	ng/ul	0.00	
28) 2,4-Dichlorophenol-d3	10.080	165	185147	20.585	ng/ul	0.00	
31) 4-Chloroaniline-d4	10.598	131	252654	19.776	ng/ul	0.00	
46) Dimethylphthalate-d6	13.727	166	484004	19.881	ng/ul	0.00	
49) Acenaphthylene-d8	14.004	160	586180	20.422	ng/ul	0.00	
54) 4-Nitrophenol-d4	14.533	143	89015	19.686	ng/ul	0.00	
60) Fluorene-d10	15.310	176	421431	19.831	ng/ul	0.00	
65) 4,6-Dinitro-2-methylph...	15.439	200	73418	19.075	ng/ul	0.00	
73) Anthracene-d10	17.156	188	647995	20.014	ng/ul	0.00	
81) Pyrene-d10	19.450	212	763243	20.248	ng/ul	0.00	
92) Benzo(a)pyrene-d12	23.997	264	830875	19.829	ng/ul	0.00	
Target Compounds							
							Qvalue
2) 1,4-Dioxane	3.163	88	29577	6.846	ng/uL		93
5) Pyridine	3.563	79	187323	16.820	ng/ul		97
6) Benzaldehyde	6.810	77	111294	18.852	ng/ul		97
8) Phenol	6.875	94	234406	18.701	ng/ul		99
10) Bis(2-Chloroethyl)ether	7.092	93	185874	18.870	ng/ul		98
12) 2-Chlorophenol	7.234	128	197207	19.236	ng/ul		99
13) 2-Methylphenol	8.116	108	176147	18.984	ng/ul		99
14) 2,2'-oxybis(1-Chloropr...	8.186	45	267668	18.478	ng/ul		96
16) Acetophenone	8.492	105	290514	19.841	ng/ul		98
17) N-Nitroso-di-n-propyla...	8.475	70	135695	19.720	ng/ul		98
18) 4-Methylphenol	8.445	108	195179	19.212	ng/ul		97
19) Hexachloroethane	8.739	117	81759	18.871	ng/ul		98
22) Nitrobenzene	8.863	77	203033	19.672	ng/ul		95
23) Isophorone	9.392	82	374140	19.598	ng/ul		97
25) 2-Nitrophenol	9.575	139	107882	20.446	ng/ul		95
26) 2,4-Dimethylphenol	9.639	107	170566	17.306	ng/ul		96
27) Bis(2-Chloroethoxy)met...	9.875	93	234250	19.658	ng/ul		99
29) 2,4-Dichlorophenol	10.110	162	177734	19.481	ng/ul		99
30) Naphthalene	10.498	128	614600	19.335	ng/ul		100
32) 4-Chloroaniline	10.622	127	242148	20.102	ng/ul		98
33) Hexachlorobutadiene	10.786	225	119646	19.379	ng/ul		97
34) Caprolactam	11.404	113	54095m	18.813	ng/ul		
35) 4-Chloro-3-methylphenol	11.757	107	176142	19.952	ng/ul		99
36) 2-Methylnaphthalene	12.122	142	409375	20.127	ng/ul		99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
37) 1-Methylnaphthalene	12.339	142	382386	18.320	ng/ul	100	11/08/2024
39) 1,2,4,5-Tetrachloroben...	12.492	216	214570	19.634	ng/ul	98	Supervised By :mohammad ahmed
40) Hexachlorocyclopentadiene	12.469	237	100058	17.912	ng/ul	98	
41) 2,4,6-Trichlorophenol	12.745	196	136531	19.778	ng/ul	98	
42) 2,4,5-Trichlorophenol	12.821	196	147082	20.007	ng/ul	98	
43) 1,1'-Biphenyl	13.145	154	512013	19.635	ng/ul	99	
44) 2-Chloronaphthalene	13.180	162	402286	19.550	ng/ul	98	
45) 2-Nitroaniline	13.398	65	106925	20.692	ng/ul	98	11/08/2024
47) Dimethylphthalate	13.774	163	480237	19.638	ng/ul	99	
48) 2,6-Dinitrotoluene	13.898	165	103045	22.103	ng/ul	95	
50) Acenaphthylene	14.033	152	639591	20.216	ng/ul	100	
51) 3-Nitroaniline	14.227	138	111856	22.094	ng/ul	98	
52) Acenaphthene	14.380	153	432575	19.421	ng/ul	99	
53) 2,4-Dinitrophenol	14.445	184	44680	17.825	ng/ul	95	
55) 4-Nitrophenol	14.551	109	62537	19.130	ng/ul	97	
56) Dibenzofuran	14.715	168	606307	19.732	ng/ul	99	
57) 2,4-Dinitrotoluene	14.692	165	140899	20.792	ng/ul	96	
58) 2,3,4,6-Tetrachlorophenol	14.945	232	129831	21.231	ng/ul	98	
59) Diethylphthalate	15.145	149	474988	19.714	ng/ul	99	
61) Fluorene	15.362	166	475837	19.560	ng/ul	100	
62) 4-Chlorophenyl-phenyle...	15.362	204	232192	19.373	ng/ul	98	
63) 4-Nitroaniline	15.398	138	112276	22.522	ng/ul	97	
66) 4,6-Dinitro-2-methylph...	15.457	198	81664	19.497	ng/ul	94	
67) N-Nitrosodiphenylamine	15.574	169	401350	19.903	ng/ul	99	
68) 4-Bromophenyl-phenylether	16.257	248	139691	19.359	ng/ul	98	
69) Hexachlorobenzene	16.368	284	169725	19.489	ng/ul	98	
70) Atrazine	16.533	200	140669	19.167	ng/ul	100	
71) Pentachlorophenol	16.715	266	108011	19.515	ng/ul	97	
72) Phenanthrene	17.098	178	744223	19.613	ng/ul	99	
74) Anthracene	17.192	178	752804	19.768	ng/ul	100	
75) 1,2,3,4-Tetrachloroben...	13.110	216	198240	18.163	ng/uL	99	
76) Pentachlorobenzene	14.633	250	203830	19.167	ng/uL	97	
77) Carbazole	17.468	167	702002	20.466	ng/ul	99	
78) Di-n-butylphthalate	18.027	149	808659	20.052	ng/ul	99	
80) Fluoranthene	19.121	202	869217	19.874	ng/ul	99	
82) Pyrene	19.480	202	948030	19.990	ng/ul	99	
83) Butylbenzylphthalate	20.386	149	367513	20.174	ng/ul	98	
84) 3,3'-Dichlorobenzidine	21.197	252	328745	24.089	ng/ul	100	
85) Benzo(a)anthracene	21.268	228	932421	19.693	ng/ul	99	
86) Bis(2-ethylhexyl)phtha...	21.192	149	532763	20.047	ng/ul	100	
87) Chrysene	21.327	228	893378	19.635	ng/ul	100	
89) Di-n-octyl phthalate	22.291	149	930901	18.413	ng/ul	100	
90) Benzo(b)fluoranthene	23.274	252	945942	19.161	ng/ul	99	
91) Benzo(k)fluoranthene	23.338	252	974297	19.793	ng/ul	100	
93) Benzo(a)pyrene	24.056	252	926867	19.969	ng/ul	99	
94) Indeno(1,2,3-cd)pyrene	27.468	276	1180795	19.575	ng/ul	97	
95) Dibenzo(a,h)anthracene	27.515	278	971948	19.727	ng/ul	99	
96) Benzo(g,h,i)perylene	28.485	276	893866	18.899	ng/ul	99	

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

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