

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM012825\
 Data File : BM049466.D
 Acq On : 28 Jan 2025 12:50
 Operator : RC/JU
 Sample : SSTD04075
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTD040016

Quant Time: Jan 28 14:00:27 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM012825.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Jan 28 13:51:43 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 01/29/2025
 Supervised By :mohammad ahmed 02/05/2025

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.510	152	202297	20.000	ng/u1	0.00
20) Naphthalene-d8	10.275	136	726171	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.151	164	450352	20.000	ng/u1	0.00
64) Phenanthrene-d10	16.904	188	879523	20.000	ng/u1	0.00
79) Chrysene-d12	21.139	240	867479	20.000	ng/u1	0.00
88) Perylene-d12	23.915	264	876779	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.117	96	85823	17.062	ng/uL	0.00
4) Pyridine-d5	3.505	84	637520	40.633	ng/u1	0.00
7) Phenol-d5	6.711	99	648776	38.299	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	6.863	67	445579	39.356	ng/u1	0.00
11) 2-Chlorophenol-d4	7.052	132	520834	40.055	ng/u1	0.00
15) 4-Methylphenol-d8	8.228	113	473300	36.622	ng/u1	0.00
21) Nitrobenzene-d5	8.657	128	234225	41.949	ng/u1	0.00
24) 2-Nitrophenol-d4	9.369	143	262424	42.277	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	9.904	165	522932	41.376	ng/u1	0.00
31) 4-Chloroaniline-d4	10.416	131	632104	38.287	ng/u1	0.00
46) Dimethylphthalate-d6	13.575	166	1353467	40.342	ng/u1	0.00
49) Acenaphthylene-d8	13.839	160	1621860	42.139	ng/u1	0.00
54) 4-Nitrophenol-d4	14.387	143	224463	40.936	ng/u1	0.00
60) Fluorene-d10	15.157	176	1190208	40.865	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.286	200	228420	40.684	ng/u1	0.00
73) Anthracene-d10	17.004	188	1830098	41.800	ng/u1	0.00
81) Pyrene-d10	19.310	212	2100330	40.053	ng/u1	0.00
92) Benzo(a)pyrene-d12	23.727	264	1981176	42.013	ng/u1	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.152	88	91201	16.463	ng/uL	95
5) Pyridine	3.523	79	652327	40.752	ng/u1	98
6) Benzaldehyde	6.669	77	383752	41.622	ng/u1	99
8) Phenol	6.734	94	678805	38.381	ng/u1	98
10) Bis(2-Chloroethyl)ether	6.958	93	550721	38.314	ng/u1	97
12) 2-Chlorophenol	7.087	128	529505	39.254	ng/u1	99
13) 2-Methylphenol	7.963	108	473684	37.182	ng/u1	99
14) 2,2'-oxybis(1-Chloropr...	8.034	45	856665	39.599	ng/u1	100
16) Acetophenone	8.328	105	801676	37.919	ng/u1	99
17) N-Nitroso-di-n-propyla...	8.322	70	427330	37.764	ng/u1	98
18) 4-Methylphenol	8.293	108	509209	36.572	ng/u1	96
19) Hexachloroethane	8.569	117	237173	40.809	ng/u1	97
22) Nitrobenzene	8.699	77	609292	41.890	ng/u1	99
23) Isophorone	9.222	82	1091416	39.434	ng/u1	100
25) 2-Nitrophenol	9.404	139	285135	41.746	ng/u1	98
26) 2,4-Dimethylphenol	9.475	107	500675	39.262	ng/u1	99
27) Bis(2-Chloroethoxy)met...	9.710	93	676862	39.472	ng/u1	99
29) 2,4-Dichlorophenol	9.934	162	516643	40.783	ng/u1	97
30) Naphthalene	10.322	128	1571932	40.560	ng/u1	99
32) 4-Chloroaniline	10.440	127	607130	38.561	ng/u1	100
33) Hexachlorobutadiene	10.610	225	376623	41.239	ng/u1	100
34) Caprolactam	11.216	113	137677m	37.896	ng/u1	
35) 4-Chloro-3-methylphenol	11.581	107	455064	39.474	ng/u1	99
36) 2-Methylnaphthalene	11.945	142	1081360	39.489	ng/u1	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.169	142	1066400	39.234	ng/ul	99
39) 1,2,4,5-Tetrachloroben...	12.322	216	678278	42.333	ng/ul	99
40) Hexachlorocyclopentadiene	12.304	237	393544	40.819	ng/ul	99
41) 2,4,6-Trichlorophenol	12.575	196	410986	42.222	ng/ul	97
42) 2,4,5-Trichlorophenol	12.645	196	437435	42.243	ng/ul	98
43) 1,1'-Biphenyl	12.981	154	1400057	41.964	ng/ul	99
44) 2-Chloronaphthalene	13.016	162	1132991	42.135	ng/ul	99
45) 2-Nitroaniline	13.234	65	306534	43.876	ng/ul	99
47) Dimethylphthalate	13.622	163	1323728	39.895	ng/ul	100
48) 2,6-Dinitrotoluene	13.740	165	260270	42.530	ng/ul	98
50) Acenaphthylene	13.869	152	1657322	41.904	ng/ul	99
51) 3-Nitroaniline	14.069	138	245097	40.881	ng/ul	99
52) Acenaphthene	14.216	153	1167410	41.393	ng/ul	100
53) 2,4-Dinitrophenol	14.281	184	147992	38.905	ng/ul	95
55) 4-Nitrophenol	14.398	109	164920	40.753	ng/ul	98
56) Dibenzofuran	14.557	168	1661520	41.319	ng/ul	100
57) 2,4-Dinitrotoluene	14.534	165	383057	42.284	ng/ul	100
58) 2,3,4,6-Tetrachlorophenol	14.792	232	352763	40.790	ng/ul	97
59) Diethylphthalate	15.004	149	1290032	40.212	ng/ul	99
61) Fluorene	15.210	166	1371878	42.146	ng/ul	98
62) 4-Chlorophenyl-phenyle...	15.210	204	726744	40.762	ng/ul	97
63) 4-Nitroaniline	15.239	138	233271	43.375	ng/ul	98
66) 4,6-Dinitro-2-methylph...	15.298	198	251223	40.975	ng/ul	98
67) N-Nitrosodiphenylamine	15.428	169	1107348	42.051	ng/ul	98
68) 4-Bromophenyl-phenylether	16.110	248	420153	41.431	ng/ul	96
69) Hexachlorobenzene	16.216	284	475089	40.458	ng/ul	98
70) Atrazine	16.392	200	419775	39.349	ng/ul	97
71) Pentachlorophenol	16.563	266	293744	38.463	ng/ul	99
72) Phenanthrene	16.951	178	2047688	41.504	ng/ul	99
74) Anthracene	17.039	178	2083801	42.126	ng/ul	99
75) 1,2,3,4-Tetrachloroben...	12.940	216	654075	43.099	ng/uL	100
76) Pentachlorobenzene	14.475	250	621479	41.521	ng/uL	98
77) Carbazole	17.316	167	1825611	41.646	ng/ul	99
78) Di-n-butylphthalate	17.898	149	2176572	41.155	ng/ul	100
80) Fluoranthene	18.974	202	2374595	39.457	ng/ul	99
82) Pyrene	19.339	202	2561484	39.891	ng/ul	99
83) Butylbenzylphthalate	20.268	149	910380	40.512	ng/ul	99
84) 3,3'-Dichlorobenzidine	21.057	252	672543	41.003	ng/ul	99
85) Benzo(a)anthracene	21.121	228	2502866	41.090	ng/ul	100
86) Bis(2-ethylhexyl)phtha...	21.074	149	1349759	40.374	ng/ul	100
87) Chrysene	21.180	228	2305077	41.233	ng/ul	100
89) Di-n-octyl phthalate	22.133	149	2147570	35.119	ng/ul	100
90) Benzo(b)fluoranthene	23.045	252	2350060	40.107	ng/ul	99
91) Benzo(k)fluoranthene	23.104	252	2391218	41.302	ng/ul	100
93) Benzo(a)pyrene	23.792	252	2245150	42.130	ng/ul	100
94) Indeno(1,2,3-cd)pyrene	27.003	276	2816296	44.698	ng/ul	100
95) Dibenzo(a,h)anthracene	27.050	278	2289654	44.713	ng/ul	99
96) Benzo(g,h,i)perylene	27.962	276	2114028	44.712	ng/ul	99

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

