

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM013025\
 Data File : BM049562.D
 Acq On : 31 Jan 2025 17:54
 Operator : RC/JU
 Sample : SSTDCCC020EC
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTD020089

Quant Time: Feb 03 08:57:11 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM012825.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Jan 28 14:45:18 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 02/03/2025
 Supervised By :mohammad ahmed 02/04/2025

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.522	152	231996	20.000	ng/u1	0.01
20) Naphthalene-d8	10.286	136	906023	20.000	ng/u1	0.02
38) Acenaphthene-d10	14.169	164	614340	20.000	ng/u1	0.02
64) Phenanthrene-d10	16.927	188	1315795	20.000	ng/u1	0.02
79) Chrysene-d12	21.162	240	1163182	20.000	ng/u1	0.03
88) Perylene-d12	23.968	264	1289209	20.000	ng/u1	0.05
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.110	96	41530	6.633	ng/uL	-0.01
4) Pyridine-d5	3.510	84	297440	16.168	ng/u1	0.00
7) Phenol-d5	6.745	99	369091	19.605	ng/u1	0.04
9) Bis-(2-Chloroethyl)eth...	6.869	67	219498	17.051	ng/u1	0.00
11) 2-Chlorophenol-d4	7.069	132	310324	21.302	ng/u1	0.02
15) 4-Methylphenol-d8	8.257	113	282867	20.508	ng/u1	0.03
21) Nitrobenzene-d5	8.669	128	145418	20.980	ng/u1	0.01
24) 2-Nitrophenol-d4	9.381	143	153934	20.360	ng/u1	0.01
28) 2,4-Dichlorophenol-d3	9.933	165	335102	21.720	ng/u1	0.03
31) 4-Chloroaniline-d4	10.433	131	393039	19.860	ng/u1	0.01
46) Dimethylphthalate-d6	13.586	166	884138	19.628	ng/u1	0.01
49) Acenaphthylene-d8	13.857	160	1072661	20.268	ng/u1	0.02
54) 4-Nitrophenol-d4	14.445	143	138705	18.771	ng/u1	0.06
60) Fluorene-d10	15.168	176	824174	20.806	ng/u1	0.02
65) 4,6-Dinitro-2-methylph...	15.315	200	32128	3.875	ng/u1	0.04
73) Anthracene-d10	17.021	188	1336049	20.333	ng/u1	0.02
81) Pyrene-d10	19.333	212	1490489	21.919	ng/u1	0.02
92) Benzo(a)pyrene-d12	23.780	264	1387439	20.178	ng/u1	0.05
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.146	88	43176	6.562	ng/uL	99
5) Pyridine	3.528	79	306807	16.262	ng/u1	95
6) Benzaldehyde	6.675	77	234832	22.712	ng/u1	94
8) Phenol	6.769	94	375986	19.027	ng/u1	97
10) Bis(2-Chloroethyl)ether	6.957	93	297144	18.440	ng/u1	93
12) 2-Chlorophenol	7.098	128	313589	20.845	ng/u1	93
13) 2-Methylphenol	7.992	108	283453	20.470	ng/u1	100
14) 2,2'-oxybis(1-Chloropr...	8.039	45	429610	17.308	ng/u1	96
16) Acetophenone	8.339	105	444666	19.387	ng/u1	97
17) N-Nitroso-di-n-propyla...	8.328	70	228488	18.994	ng/u1	91
18) 4-Methylphenol	8.322	108	301731	20.189	ng/u1	95
19) Hexachloroethane	8.575	117	109920	16.630	ng/u1	92
22) Nitrobenzene	8.710	77	325458	17.579	ng/u1	92
23) Isophorone	9.234	82	629294	19.009	ng/u1	97
25) 2-Nitrophenol	9.416	139	160472	19.116	ng/u1	95
26) 2,4-Dimethylphenol	9.498	107	301154	19.494	ng/u1	97
27) Bis(2-Chloroethoxy)met...	9.716	93	382162	18.431	ng/u1	98
29) 2,4-Dichlorophenol	9.963	162	323460	20.856	ng/u1	98
30) Naphthalene	10.333	128	958992	19.880	ng/u1	99
32) 4-Chloroaniline	10.457	127	376737	19.895	ng/u1	99
33) Hexachlorobutadiene	10.616	225	245524	21.118	ng/u1	99
34) Caprolactam	11.257	113	96484	22.552	ng/u1	82
35) 4-Chloro-3-methylphenol	11.622	107	293147	21.877	ng/u1	98
36) 2-Methylnaphthalene	11.957	142	687738	20.905	ng/u1	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.180	142	680510	20.982	ng/ul	99
39) 1,2,4,5-Tetrachloroben...	12.339	216	454404	20.066	ng/ul	99
40) Hexachlorocyclopentadiene	12.310	237	91714	6.904	ng/ul	97
41) 2,4,6-Trichlorophenol	12.598	196	286921	21.484	ng/ul	96
42) 2,4,5-Trichlorophenol	12.686	196	310982	22.156	ng/ul	98
43) 1,1'-Biphenyl	12.992	154	902738	19.367	ng/ul	98
44) 2-Chloronaphthalene	13.027	162	737894	19.526	ng/ul	100
45) 2-Nitroaniline	13.251	65	185219	19.511	ng/ul	88
47) Dimethylphthalate	13.633	163	867848	19.395	ng/ul	100
48) 2,6-Dinitrotoluene	13.757	165	174234	21.651	ng/ul	91
50) Acenaphthylene	13.886	152	1094965	20.138	ng/ul	99
51) 3-Nitroaniline	14.092	138	185187	23.166	ng/ul	91
52) Acenaphthene	14.233	153	766226	19.738	ng/ul	99
53) 2,4-Dinitrophenol	14.316	184	19724	3.964	ng/ul	91
55) 4-Nitrophenol	14.463	109	113295	20.955	ng/ul	90
56) Dibenzofuran	14.568	168	1102813	19.924	ng/ul	100
57) 2,4-Dinitrotoluene	14.557	165	250282	20.798	ng/ul	96
58) 2,3,4,6-Tetrachlorophenol	14.816	232	266905	23.350	ng/ul	92
59) Diethylphthalate	15.010	149	868129	20.437	ng/ul	98
61) Fluorene	15.227	166	911114	20.371	ng/ul	99
62) 4-Chlorophenyl-phenyle...	15.221	204	500327	20.623	ng/ul	96
63) 4-Nitroaniline	15.263	138	194206m	26.308	ng/ul	
66) 4,6-Dinitro-2-methylph...	15.333	198	35999	3.961	ng/ul	96
67) N-Nitrosodiphenylamine	15.445	169	783332	19.971	ng/ul	97
68) 4-Bromophenyl-phenylether	16.121	248	329968	21.962	ng/ul	97
69) Hexachlorobenzene	16.239	284	370279	21.342	ng/ul	95
70) Atrazine	16.410	200	308880	20.006	ng/ul	96
71) Pentachlorophenol	16.592	266	205319	18.794	ng/ul	100
72) Phenanthrene	16.968	178	1481731	20.005	ng/ul	99
74) Anthracene	17.057	178	1515054	20.308	ng/ul	99
75) 1,2,3,4-Tetrachloroben...	12.957	216	451128	18.970	ng/ul	99
76) Pentachlorobenzene	14.492	250	455461	20.029	ng/ul	99
77) Carbazole	17.339	167	1331036	19.962	ng/ul	99
78) Di-n-butylphthalate	17.909	149	1620995	21.284	ng/ul	99
80) Fluoranthene	18.998	202	1762647	22.696	ng/ul	99
82) Pyrene	19.362	202	1805411	21.605	ng/ul	98
83) Butylbenzylphthalate	20.280	149	652382	23.181	ng/ul	96
84) 3,3'-Dichlorobenzidine	21.080	252	580935	26.304	ng/ul	99
85) Benzo(a)anthracene	21.145	228	1628049	19.925	ng/ul	99
86) Bis(2-ethylhexyl)phtha...	21.086	149	908468	21.969	ng/ul#	97
87) Chrysene	21.203	228	1527734	20.133	ng/ul	99
89) Di-n-octyl phthalate	22.150	149	1614581	20.474	ng/ul	100
90) Benzo(b)fluoranthene	23.091	252	1584746	18.964	ng/ul	99
91) Benzo(k)fluoranthene	23.144	252	1618450	19.167	ng/ul	99
93) Benzo(a)pyrene	23.838	252	1502896	19.172	ng/ul	99
94) Indeno(1,2,3-cd)pyrene	27.091	276	1943743	20.005	ng/ul	97
95) Dibenzo(a,h)anthracene	27.138	278	1571183	19.956	ng/ul	99
96) Benzo(g,h,i)perylene	28.062	276	1507370	20.404	ng/ul	98

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

