

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122923\
 Data File : BM043667.D
 Acq On : 29 Dec 2023 09:33
 Operator : MA/JU
 Sample : SSTDCCC020
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTD020174

Quant Time: Dec 29 22:42:36 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM121523.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Dec 29 22:31:57 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 01/01/2024
 Supervised By :mohammad ahmed 01/01/2024

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.957	152	139044	20.000	ng/u1	0.00
20) Naphthalene-d8	10.763	136	614226	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.592	164	325903	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.339	188	623641	20.000	ng/u1	0.00
79) Chrysene-d12	21.521	240	539800	20.000	ng/u1	0.00
88) Perylene-d12	23.933	264	605735	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.369	96	36371	8.502	ng/uL	0.00
4) Pyridine-d5	3.787	84	262335	21.305	ng/u1	0.00
7) Phenol-d5	7.116	99	298606	18.878	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.299	67	214007	21.363	ng/u1	0.00
11) 2-Chlorophenol-d4	7.487	132	217721	18.028	ng/u1	0.00
15) 4-Methylphenol-d8	8.669	113	222031	18.089	ng/u1	0.00
21) Nitrobenzene-d5	9.128	128	104134	17.523	ng/u1	0.00
24) 2-Nitrophenol-d4	9.851	143	96806	15.766	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.381	165	179518	16.562	ng/u1	0.00
31) 4-Chloroaniline-d4	10.910	131	292177	18.322	ng/u1	0.00
46) Dimethylphthalate-d6	14.016	166	524102	17.864	ng/u1	0.00
49) Acenaphthylene-d8	14.286	160	632464	18.173	ng/u1	0.00
54) 4-Nitrophenol-d4	14.792	143	110677	19.932	ng/u1	0.00
60) Fluorene-d10	15.586	176	448559	18.490	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.710	200	62672	15.195	ng/u1	0.00
73) Anthracene-d10	17.439	188	646760	18.492	ng/u1	0.00
81) Pyrene-d10	19.727	212	641136	15.044	ng/u1	0.00
92) Benzo(a)pyrene-d12	23.774	264	645438	17.267	ng/u1	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.405	88	40114	8.487	ng/uL#	92
5) Pyridine	3.811	79	280148	22.001	ng/u1	94
6) Benzaldehyde	7.104	77	160045m	21.340	ng/u1	
8) Phenol	7.146	94	308674	19.836	ng/u1	97
10) Bis(2-Chloroethyl)ether	7.393	93	254317	20.131	ng/u1	97
12) 2-Chlorophenol	7.516	128	228448	18.569	ng/u1	96
13) 2-Methylphenol	8.404	108	212274	17.965	ng/u1	99
14) 2,2'-oxybis(1-Chloropr...	8.487	45	467573	22.040	ng/u1	98
16) Acetophenone	8.793	105	367083	19.534	ng/u1	96
17) N-Nitroso-di-n-propyla...	8.775	70	213248	19.013	ng/u1	93
18) 4-Methylphenol	8.734	108	233305	18.218	ng/u1	99
19) Hexachloroethane	9.034	117	101848	19.633	ng/u1	92
22) Nitrobenzene	9.175	77	299117	20.338	ng/u1	95
23) Isophorone	9.698	82	527723	17.689	ng/u1	96
25) 2-Nitrophenol	9.881	139	112214	17.195	ng/u1	92
26) 2,4-Dimethylphenol	9.940	107	220918	19.004	ng/u1	95
27) Bis(2-Chloroethoxy)met...	10.187	93	335173	19.027	ng/u1	99
29) 2,4-Dichlorophenol	10.410	162	182916	17.389	ng/u1	99
30) Naphthalene	10.816	128	726559	18.560	ng/u1	100
32) 4-Chloroaniline	10.934	127	292082	19.048	ng/u1	99
33) Hexachlorobutadiene	11.087	225	85387	15.921	ng/u1	98
34) Caprolactam	11.716	113	54991m	16.359	ng/u1	
35) 4-Chloro-3-methylphenol	12.051	107	217437	17.598	ng/u1	98
36) 2-Methylnaphthalene	12.422	142	455773	17.104	ng/u1	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.639	142	465878	17.334	ng/ul	99
39) 1,2,4,5-Tetrachloroben...	12.786	216	160871	16.201	ng/ul	98
40) Hexachlorocyclopentadiene	12.757	237	89818	14.416	ng/ul	97
41) 2,4,6-Trichlorophenol	13.028	196	110802	15.698	ng/ul	95
42) 2,4,5-Trichlorophenol	13.098	196	123557	16.486	ng/ul	98
43) 1,1'-Biphenyl	13.433	154	571893	18.409	ng/ul	98
44) 2-Chloronaphthalene	13.475	162	445881	18.720	ng/ul	99
45) 2-Nitroaniline	13.686	65	166882	20.894	ng/ul	90
47) Dimethylphthalate	14.063	163	543188	18.748	ng/ul	99
48) 2,6-Dinitrotoluene	14.186	165	94945	16.950	ng/ul#	82
50) Acenaphthylene	14.316	152	758216	18.972	ng/ul	99
51) 3-Nitroaniline	14.510	138	119748	18.622	ng/ul	90
52) Acenaphthene	14.657	153	498838	18.938	ng/ul	99
53) 2,4-Dinitrophenol	14.716	184	41985	14.080	ng/ul#	74
55) 4-Nitrophenol	14.810	109	97941	22.715	ng/ul	90
56) Dibenzofuran	14.992	168	649581	19.095	ng/ul	99
57) 2,4-Dinitrotoluene	14.969	165	145393	18.372	ng/ul#	83
58) 2,3,4,6-Tetrachlorophenol	15.216	232	87261	15.197	ng/ul#	87
59) Diethylphthalate	15.422	149	581514	19.585	ng/ul	97
61) Fluorene	15.639	166	552091	18.997	ng/ul	98
62) 4-Chlorophenyl-phenyle...	15.639	204	221668	17.340	ng/ul	91
63) 4-Nitroaniline	15.669	138	127684	21.693	ng/ul	92
66) 4,6-Dinitro-2-methylph...	15.722	198	69665	15.820	ng/ul#	80
67) N-Nitrosodiphenylamine	15.857	169	432100	18.039	ng/ul	98
68) 4-Bromophenyl-phenylether	16.533	248	114918	15.554	ng/ul#	89
69) Hexachlorobenzene	16.633	284	141558	16.723	ng/ul#	91
70) Atrazine	16.810	200	68911	13.124	ng/ul	97
71) Pentachlorophenol	16.980	266	75376	14.730	ng/ul	99
72) Phenanthrene	17.380	178	785582	18.586	ng/ul	99
74) Anthracene	17.474	178	802670	18.816	ng/ul	99
75) 1,2,3,4-Tetrachloroben...	13.392	216	159174	15.542	ng/uL	99
76) Pentachlorobenzene	14.904	250	162167	16.261	ng/uL	100
77) Carbazole	17.745	167	758579	20.836	ng/ul	98
78) Di-n-butylphthalate	18.315	149	965836	20.292	ng/ul	99
80) Fluoranthene	19.392	202	785612	14.886	ng/ul#	93
82) Pyrene	19.757	202	856175	15.781	ng/ul#	93
83) Butylbenzylphthalate	20.668	149	411706	17.552	ng/ul	90
84) 3,3'-Dichlorobenzidine	21.445	252	250192	18.819	ng/ul	99
85) Benzo(a)anthracene	21.503	228	818084	18.124	ng/ul	100
86) Bis(2-ethylhexyl)phtha...	21.445	149	669667	20.053	ng/ul	97
87) Chrysene	21.556	228	752075	18.521	ng/ul	99
89) Di-n-octyl phthalate	22.380	149	1075900	18.568	ng/ul	100
90) Benzo(b)fluoranthene	23.198	252	819493	17.654	ng/ul	98
91) Benzo(k)fluoranthene	23.245	252	819493	18.101	ng/ul	98
93) Benzo(a)pyrene	23.821	252	777252	18.353	ng/ul	97
94) Indeno(1,2,3-cd)pyrene	26.438	276	984322	19.465	ng/ul	94
95) Dibenzo(a,h)anthracene	26.462	278	840025	20.061	ng/ul	96
96) Benzo(g,h,i)perylene	27.209	276	776640	19.592	ng/ul	97

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

