

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP072924\
 Data File : BP021254.D
 Acq On : 31 Jul 2024 09:30
 Operator : CG/JU
 Sample : SSTDCCC020
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 SSTD020716

Quant Time: Jul 31 23:02:02 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP071024.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Jul 29 12:46:18 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 08/01/2024
 Supervised By :mohammad ahmed 09/04/2024

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.581	152	196022	20.000	ng/u1	-0.05
20) Naphthalene-d8	10.357	136	753766	20.000	ng/u1	-0.03
38) Acenaphthene-d10	14.251	164	495799	20.000	ng/u1	-0.02
64) Phenanthrene-d10	17.092	188	1022899	20.000	ng/u1	0.00
79) Chrysene-d12	21.539	240	887532	20.000	ng/u1	0.00
88) Perylene-d12	24.839	264	1022652	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.146	96	32987	7.658	ng/uL	-0.03
4) Pyridine-d5	3.558	84	216406	17.353	ng/u1	-0.03
7) Phenol-d5	6.799	99	279604	17.496	ng/u1	-0.05
9) Bis-(2-Chloroethyl)eth...	6.928	67	158764	16.393	ng/u1	-0.05
11) 2-Chlorophenol-d4	7.128	132	243408	18.486	ng/u1	-0.05
15) 4-Methylphenol-d8	8.305	113	224451	16.910	ng/u1	-0.06
21) Nitrobenzene-d5	8.740	128	115036	19.649	ng/u1	-0.05
24) 2-Nitrophenol-d4	9.452	143	133202	19.878	ng/u1	-0.05
28) 2,4-Dichlorophenol-d3	10.010	165	241758	19.952	ng/u1	-0.04
31) 4-Chloroaniline-d4	10.516	131	304052	18.942	ng/u1	-0.04
46) Dimethylphthalate-d6	13.657	166	696771	19.332	ng/u1	-0.02
49) Acenaphthylene-d8	13.940	160	775683	19.167	ng/u1	-0.02
54) 4-Nitrophenol-d4	14.575	143	114785	22.384	ng/u1	-0.01
60) Fluorene-d10	15.275	176	584859	19.780	ng/u1	-0.01
65) 4,6-Dinitro-2-methylph...	15.451	200	115628	18.683	ng/u1	-0.01
73) Anthracene-d10	17.192	188	900899	19.830	ng/u1	0.00
81) Pyrene-d10	19.580	212	1016013	18.516	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.621	264	972608	19.284	ng/u1	0.02
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.181	88	37116m	7.834	ng/uL	
5) Pyridine	3.575	79	226773	17.630	ng/u1	96
6) Benzaldehyde	6.758	77	173481m	21.532	ng/u1	
8) Phenol	6.822	94	279379	17.276	ng/u1	95
10) Bis(2-Chloroethyl)ether	7.022	93	227700	17.045	ng/u1	96
12) 2-Chlorophenol	7.163	128	242042	18.341	ng/u1	95
13) 2-Methylphenol	8.052	108	219115	17.520	ng/u1	100
14) 2,2'-oxybis(1-Chloropr...	8.099	45	289994	15.025	ng/u1#	92
16) Acetophenone	8.410	105	353141	17.238	ng/u1	98
17) N-Nitroso-di-n-propyla...	8.381	70	172305	16.053	ng/u1	95
18) 4-Methylphenol	8.375	108	232029	17.318	ng/u1	99
19) Hexachloroethane	8.634	117	106254	17.917	ng/u1	89
22) Nitrobenzene	8.787	77	260775	18.594	ng/u1	99
23) Isophorone	9.304	82	473518	16.983	ng/u1	99
25) 2-Nitrophenol	9.487	139	139951	20.025	ng/u1	93
26) 2,4-Dimethylphenol	9.557	107	261572	18.980	ng/u1	99
27) Bis(2-Chloroethoxy)met...	9.775	93	301464	17.788	ng/u1	97
29) 2,4-Dichlorophenol	10.040	162	236181	19.778	ng/u1	99
30) Naphthalene	10.404	128	764909	19.292	ng/u1	99
32) 4-Chloroaniline	10.534	127	289844	18.909	ng/u1	99
33) Hexachlorobutadiene	10.663	225	185977	20.771	ng/u1	98
34) Caprolactam	11.363	113	67540m	18.360	ng/u1	
35) 4-Chloro-3-methylphenol	11.698	107	239946	18.485	ng/u1	98
36) 2-Methylnaphthalene	12.022	142	514203	18.893	ng/u1	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.251	142	532796	19.034	ng/ul	100
39) 1,2,4,5-Tetrachloroben...	12.398	216	325076	20.189	ng/ul#	97
40) Hexachlorocyclopentadiene	12.357	237	169118	20.078	ng/ul	99
41) 2,4,6-Trichlorophenol	12.669	196	193103	18.980	ng/ul	97
42) 2,4,5-Trichlorophenol	12.775	196	204522	18.999	ng/ul	99
43) 1,1'-Biphenyl	13.063	154	685998	18.933	ng/ul	99
44) 2-Chloronaphthalene	13.110	162	548678	18.968	ng/ul	99
45) 2-Nitroaniline	13.351	65	141035	17.631	ng/ul	99
47) Dimethylphthalate	13.710	163	690611	18.884	ng/ul	99
48) 2,6-Dinitrotoluene	13.857	165	139862	19.129	ng/ul	94
50) Acenaphthylene	13.969	152	864287	18.862	ng/ul	99
51) 3-Nitroaniline	14.210	138	127950	20.110	ng/ul	94
52) Acenaphthene	14.316	153	570700	18.765	ng/ul	98
53) 2,4-Dinitrophenol	14.451	184	86830	22.614	ng/ul	95
55) 4-Nitrophenol	14.581	109	76838	18.420	ng/ul#	79
56) Dibenzofuran	14.657	168	796833	19.133	ng/ul	97
57) 2,4-Dinitrotoluene	14.669	165	203721	20.298	ng/ul	100
58) 2,3,4,6-Tetrachlorophenol	14.922	232	182090	19.754	ng/ul	94
59) Diethylphthalate	15.104	149	688384	18.835	ng/ul	99
61) Fluorene	15.334	166	654948	19.272	ng/ul	99
62) 4-Chlorophenyl-phenyle...	15.328	204	362226	19.642	ng/ul	98
63) 4-Nitroaniline	15.410	138	118321m	22.456	ng/ul	
66) 4,6-Dinitro-2-methylph...	15.469	198	123994	18.892	ng/ul	95
67) N-Nitrosodiphenylamine	15.563	169	554226	18.606	ng/ul	99
68) 4-Bromophenyl-phenylether	16.245	248	241853	20.172	ng/ul	95
69) Hexachlorobenzene	16.363	284	286850	20.866	ng/ul	93
70) Atrazine	16.551	200	220587	20.320	ng/ul	99
71) Pentachlorophenol	16.745	266	175479m	23.502	ng/ul	
72) Phenanthrene	17.133	178	1015759	19.142	ng/ul	100
74) Anthracene	17.228	178	1037359	19.176	ng/ul	99
75) 1,2,3,4-Tetrachloroben...	13.028	216	326420	19.938	ng/ul	99
76) Pentachlorobenzene	14.581	250	325490	20.007	ng/ul	98
77) Carbazole	17.533	167	882186	19.949	ng/ul	99
78) Di-n-butylphthalate	18.086	149	1148357	18.822	ng/ul	100
80) Fluoranthene	19.233	202	1220235	18.415	ng/ul	97
82) Pyrene	19.616	202	1234030	18.301	ng/ul	95
83) Butylbenzylphthalate	20.551	149	489403	17.420	ng/ul	96
84) 3,3'-Dichlorobenzidine	21.451	252	393524	19.404	ng/ul	98
85) Benzo(a)anthracene	21.516	228	1187250	19.096	ng/ul	100
86) Bis(2-ethylhexyl)phtha...	21.433	149	708590	17.526	ng/ul#	98
87) Chrysene	21.580	228	1116011	19.318	ng/ul	99
89) Di-n-octyl phthalate	22.668	149	1151998	17.052	ng/ul	100
90) Benzo(b)fluoranthene	23.798	252	1169610	18.847	ng/ul	99
91) Benzo(k)fluoranthene	23.857	252	1194743	19.291	ng/ul	99
93) Benzo(a)pyrene	24.692	252	1115752	19.026	ng/ul	98
94) Indeno(1,2,3-cd)pyrene	28.603	276	1497282	19.813	ng/ul	97
95) Dibenzo(a,h)anthracene	28.656	278	1243229	19.867	ng/ul#	97
96) Benzo(g,h,i)perylene	29.780	276	1194788	19.413	ng/ul	95

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