

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP112723\
 Data File : BP018413.D
 Acq On : 27 Nov 2023 22:19
 Operator : MA/JU
 Sample : PB157280BS
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 SLCS280

Quant Time: Nov 27 22:52:51 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP112223.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Nov 27 21:50:01 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/28/2023
 Supervised By :mohammad ahmed 12/01/2023

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.857	152	631334	20.000	ng/u1	0.00
20) Naphthalene-d8	10.663	136	2562045	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.498	164	1508138	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.245	188	2751874	20.000	ng/u1	0.00
79) Chrysene-d12	21.386	240	2051035	20.000	ng/u1	0.01
88) Perylene-d12	23.909	264	2510140	20.000	ng/u1	0.04
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.269	96	69825	4.142	ng/uL	0.00
4) Pyridine-d5	3.687	84	899002	19.407	ng/u1	0.00
7) Phenol-d5	7.028	99	1238055	21.458	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.199	67	693139	20.090	ng/u1	0.00
11) 2-Chlorophenol-d4	7.393	132	1050055	21.676	ng/u1	0.00
15) 4-Methylphenol-d8	8.575	113	1000821	21.494	ng/u1	0.00
21) Nitrobenzene-d5	9.022	128	498562	23.958	ng/u1	0.00
24) 2-Nitrophenol-d4	9.745	143	512223	26.652	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.281	165	1071715	23.114	ng/u1	0.00
31) 4-Chloroaniline-d4	10.798	131	1316830	21.057	ng/u1	0.00
46) Dimethylphthalate-d6	13.916	166	2955120	22.021	ng/u1	0.00
49) Acenaphthylene-d8	14.192	160	3363257	21.995	ng/u1	0.00
54) 4-Nitrophenol-d4	14.692	143	389978	21.051	ng/u1	0.00
60) Fluorene-d10	15.486	176	2410403	21.475	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.604	200	321240	27.422	ng/u1	0.00
73) Anthracene-d10	17.345	188	3116119	21.186	ng/u1	0.00
81) Pyrene-d10	19.592	212	3204456	19.631	ng/u1	0.00
92) Benzo(a)pyrene-d12	23.739	264	3325825	22.854	ng/u1	0.04
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.305	88	141031	7.803	ng/uL#	89
5) Pyridine	3.705	79	933363	19.998	ng/u1	93
6) Benzaldehyde	6.999	77	678875	22.234	ng/u1	94
8) Phenol	7.051	94	1261890	22.296	ng/u1	96
10) Bis(2-Chloroethyl)ether	7.287	93	1038434	22.027	ng/u1	97
12) 2-Chlorophenol	7.422	128	1075690	22.133	ng/u1	96
13) 2-Methylphenol	8.304	108	969628	21.995	ng/u1	100
14) 2,2'-oxybis(1-Chloropr...	8.387	45	1244115	18.565	ng/u1	95
16) Acetophenone	8.687	105	1543399	21.662	ng/u1	95
17) N-Nitroso-di-n-propyla...	8.681	70	703854	17.684	ng/u1	92
18) 4-Methylphenol	8.640	108	1039414	22.080	ng/u1	100
19) Hexachloroethane	8.940	117	438682	21.614	ng/u1	92
22) Nitrobenzene	9.063	77	1073562	22.021	ng/u1	95
23) Isophorone	9.598	82	2152456	19.809	ng/u1	97
25) 2-Nitrophenol	9.775	139	576715	26.671	ng/u1	92
26) 2,4-Dimethylphenol	9.840	107	761003	15.675	ng/u1	96
27) Bis(2-Chloroethoxy)met...	10.081	93	1405147	21.412	ng/u1	99
29) 2,4-Dichlorophenol	10.310	162	1053356	23.717	ng/u1	98
30) Naphthalene	10.710	128	3417973	22.058	ng/u1	100
32) 4-Chloroaniline	10.822	127	1219735	20.669	ng/u1	100
33) Hexachlorobutadiene	10.998	225	754543	24.909	ng/u1	99
34) Caprolactam	11.604	113	299214m	23.378	ng/u1	
35) 4-Chloro-3-methylphenol	11.951	107	986702	20.778	ng/u1	95
36) 2-Methylnaphthalene	12.322	142	2380985	21.711	ng/u1	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.539	142	2323941	21.052	ng/ul	100
39) 1,2,4,5-Tetrachloroben...	12.687	216	1387786	26.055	ng/ul	98
40) Hexachlorocyclopentadiene	12.669	237	555263	18.406	ng/ul	99
41) 2,4,6-Trichlorophenol	12.928	196	831713	26.001	ng/ul	98
42) 2,4,5-Trichlorophenol	12.998	196	882516	25.514	ng/ul	99
43) 1,1'-Biphenyl	13.334	154	3088866	23.507	ng/ul	99
44) 2-Chloronaphthalene	13.375	162	2452746	23.584	ng/ul	98
45) 2-Nitroaniline	13.581	65	504770	22.557	ng/ul#	83
47) Dimethylphthalate	13.963	163	2997895	22.832	ng/ul	99
48) 2,6-Dinitrotoluene	14.075	165	581913	26.287	ng/ul	89
50) Acenaphthylene	14.216	152	3829624	22.469	ng/ul	99
51) 3-Nitroaniline	14.404	138	523024	23.779	ng/ul#	89
52) Acenaphthene	14.557	153	2489236	22.357	ng/ul	100
53) 2,4-Dinitrophenol	14.604	184	196657	25.463	ng/ul	96
55) 4-Nitrophenol	14.710	109	275519	20.074	ng/ul	91
56) Dibenzofuran	14.892	168	3431443	22.543	ng/ul	99
57) 2,4-Dinitrotoluene	14.857	165	760374	25.418	ng/ul	88
58) 2,3,4,6-Tetrachlorophenol	15.116	232	668660	24.615	ng/ul	97
59) Diethylphthalate	15.328	149	2826044	21.426	ng/ul	99
61) Fluorene	15.545	166	2655766	21.394	ng/ul	100
62) 4-Chlorophenyl-phenyle...	15.539	204	1444367	22.914	ng/ul	97
63) 4-Nitroaniline	15.563	138	470752	22.679	ng/ul	95
66) 4,6-Dinitro-2-methylph...	15.622	198	363557	27.982	ng/ul	96
67) N-Nitrosodiphenylamine	15.757	169	2220089	23.790	ng/ul	100
68) 4-Bromophenyl-phenylether	16.439	248	862994	24.839	ng/ul	95
69) Hexachlorobenzene	16.545	284	1024828	26.384	ng/ul	94
70) Atrazine	16.716	200	619520	21.746	ng/ul	97
71) Pentachlorophenol	16.892	266	510341	25.571	ng/ul	99
72) Phenanthrene	17.292	178	3842671	22.957	ng/ul	100
74) Anthracene	17.380	178	3693735	21.862	ng/ul	99
75) 1,2,3,4-Tetrachloroben...	13.292	216	1385402	29.289	ng/ul	99
76) Pentachlorobenzene	14.810	250	1310385	28.519	ng/ul	98
77) Carbazole	17.657	167	3101438	22.658	ng/ul	99
78) Di-n-butylphthalate	18.221	149	3993358	20.974	ng/ul	99
80) Fluoranthene	19.269	202	3920490	20.104	ng/ul	97
82) Pyrene	19.621	202	3949771	20.114	ng/ul	97
83) Butylbenzylphthalate	20.533	149	1326567	18.255	ng/ul	94
84) 3,3'-Dichlorobenzidine	21.315	252	1175986	23.706	ng/ul	99
85) Benzo(a)anthracene	21.368	228	3853258	23.052	ng/ul	99
86) Bis(2-ethylhexyl)phtha...	21.351	149	1910364	17.522	ng/ul	100
87) Chrysene	21.421	228	3563207	23.426	ng/ul	100
89) Di-n-octyl phthalate	22.386	149	3140183	16.992	ng/ul	100
90) Benzo(b)fluoranthene	23.133	252	4227229	23.185	ng/ul	98
91) Benzo(k)fluoranthene	23.180	252	3952688	21.778	ng/ul	99
93) Benzo(a)pyrene	23.792	252	3931401	23.447	ng/ul	99
94) Indeno(1,2,3-cd)pyrene	26.680	276	4919090m	25.372	ng/ul	
95) Dibenzo(a,h)anthracene	26.762	278	4049884	25.516	ng/ul	98
96) Benzo(g,h,i)perylene	27.521	276	4045390m	25.764	ng/ul	

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

