

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP112723\
 Data File : BP018428.D
 Acq On : 28 Nov 2023 07:20
 Operator : MA/JU
 Sample : PB157282BS
 Misc :
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 SLCS282

Quant Time: Nov 28 07:50:42 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP112223.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Nov 28 02:41:10 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/29/2023
 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	584512	20.000	ng/u1	0.00
20) Naphthalene-d8	10.657	136	2433991	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.492	164	1513014	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.245	188	3008880	20.000	ng/u1	0.00
79) Chrysene-d12	21.398	240	2076095	20.000	ng/u1	0.01
88) Perylene-d12	23.963	264	2223067	20.000	ng/u1	0.05
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.269	96	70711	4.531	ng/uL	0.00
4) Pyridine-d5	3.681	84	951669	22.190	ng/u1	0.00
7) Phenol-d5	7.022	99	1335264	24.996	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.193	67	727546	22.776	ng/u1	0.00
11) 2-Chlorophenol-d4	7.387	132	1115466	24.871	ng/u1	0.00
15) 4-Methylphenol-d8	8.575	113	1076923	24.981	ng/u1	0.00
21) Nitrobenzene-d5	9.022	128	541080	27.369	ng/u1	0.00
24) 2-Nitrophenol-d4	9.740	143	561815	30.771	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.281	165	1186309	26.931	ng/u1	0.00
31) 4-Chloroaniline-d4	10.799	131	1473479	24.802	ng/u1	0.00
46) Dimethylphthalate-d6	13.910	166	3382339	25.123	ng/u1	0.00
49) Acenaphthylene-d8	14.187	160	3783732	24.666	ng/u1	0.00
54) 4-Nitrophenol-d4	14.692	143	477811	25.709	ng/u1	0.00
60) Fluorene-d10	15.486	176	2793196	24.805	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.610	200	414143	32.333	ng/u1	0.01
73) Anthracene-d10	17.345	188	3853543	23.961	ng/u1	0.00
81) Pyrene-d10	19.598	212	4140228	25.057	ng/u1	0.00
92) Benzo(a)pyrene-d12	23.786	264	3398018	26.365	ng/u1	0.05
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.305	88	145656	8.704	ng/uL#	86
5) Pyridine	3.705	79	987395	22.850	ng/u1	92
6) Benzaldehyde	6.999	77	721410	25.520	ng/u1	94
8) Phenol	7.052	94	1360251	25.959	ng/u1	95
10) Bis(2-Chloroethyl)ether	7.287	93	1090295	24.979	ng/u1	95
12) 2-Chlorophenol	7.422	128	1154748	25.663	ng/u1	94
13) 2-Methylphenol	8.305	108	1046615	25.643	ng/u1	99
14) 2,2'-oxybis(1-Chloropr...	8.393	45	1300813	20.966	ng/u1#	94
16) Acetophenone	8.687	105	1645608	24.947	ng/u1	94
17) N-Nitroso-di-n-propyla...	8.681	70	751362	20.390	ng/u1	92
18) 4-Methylphenol	8.640	108	1133106	25.998	ng/u1	98
19) Hexachloroethane	8.940	117	458578	24.404	ng/u1	89
22) Nitrobenzene	9.063	77	1158706	25.017	ng/u1	92
23) Isophorone	9.593	82	2313057	22.407	ng/u1	97
25) 2-Nitrophenol	9.775	139	632365	30.783	ng/u1#	89
26) 2,4-Dimethylphenol	9.840	107	826108	17.912	ng/u1	98
27) Bis(2-Chloroethoxy)met...	10.081	93	1510959	24.236	ng/u1	99
29) 2,4-Dichlorophenol	10.304	162	1162807	27.559	ng/u1	98
30) Naphthalene	10.710	128	3705709	25.173	ng/u1	100
32) 4-Chloroaniline	10.822	127	1358957	24.240	ng/u1	100
33) Hexachlorobutadiene	10.999	225	811238	28.190	ng/u1	99
34) Caprolactam	11.604	113	353030m	29.034	ng/u1	
35) 4-Chloro-3-methylphenol	11.945	107	1111417	24.636	ng/u1	95
36) 2-Methylnaphthalene	12.322	142	2615712	25.106	ng/u1	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.540	142	2553198	24.346	ng/ul	100
39) 1,2,4,5-Tetrachloroben...	12.687	216	1548616	28.980	ng/ul	98
40) Hexachlorocyclopentadiene	12.669	237	597159	19.731	ng/ul	99
41) 2,4,6-Trichlorophenol	12.928	196	941407	29.335	ng/ul	99
42) 2,4,5-Trichlorophenol	12.998	196	1024886	29.534	ng/ul	99
43) 1,1'-Biphenyl	13.334	154	3420683	25.948	ng/ul	99
44) 2-Chloronaphthalene	13.369	162	2746301	26.321	ng/ul	98
45) 2-Nitroaniline	13.575	65	588328	26.206	ng/ul	87
47) Dimethylphthalate	13.963	163	3427834	26.022	ng/ul	100
48) 2,6-Dinitrotoluene	14.075	165	686068	30.892	ng/ul	88
50) Acenaphthylene	14.216	152	4301388	25.156	ng/ul	99
51) 3-Nitroaniline	14.404	138	640752	29.038	ng/ul#	90
52) Acenaphthene	14.557	153	2814327	25.195	ng/ul	100
53) 2,4-Dinitrophenol	14.604	184	245252	31.653	ng/ul	95
55) 4-Nitrophenol	14.710	109	340221	24.709	ng/ul	90
56) Dibenzofuran	14.892	168	3920097	25.670	ng/ul	98
57) 2,4-Dinitrotoluene	14.857	165	925173	30.827	ng/ul#	88
58) 2,3,4,6-Tetrachlorophenol	15.116	232	809022	29.686	ng/ul	96
59) Diethylphthalate	15.328	149	3296951	24.916	ng/ul	98
61) Fluorene	15.545	166	3041572	24.424	ng/ul	99
62) 4-Chlorophenyl-phenyle...	15.539	204	1653933	26.154	ng/ul	97
63) 4-Nitroaniline	15.569	138	574703	27.597	ng/ul	93
66) 4,6-Dinitro-2-methylph...	15.622	198	468987	33.014	ng/ul	94
67) N-Nitrosodiphenylamine	15.757	169	2642427	25.897	ng/ul	100
68) 4-Bromophenyl-phenylether	16.439	248	1046801	27.555	ng/ul	95
69) Hexachlorobenzene	16.545	284	1245810	29.334	ng/ul#	92
70) Atrazine	16.716	200	782798	25.131	ng/ul	98
71) Pentachlorophenol	16.892	266	649902	29.782	ng/ul	99
72) Phenanthrene	17.292	178	4720422	25.792	ng/ul	99
74) Anthracene	17.381	178	4529637	24.519	ng/ul	99
75) 1,2,3,4-Tetrachloroben...	13.292	216	1546605	29.904	ng/ul	99
76) Pentachlorobenzene	14.810	250	1508628	30.029	ng/ul	99
77) Carbazole	17.657	167	3911597	26.136	ng/ul	99
78) Di-n-butylphthalate	18.222	149	5197680	24.967	ng/ul	100
80) Fluoranthene	19.269	202	5068259	25.676	ng/ul	97
82) Pyrene	19.627	202	5024660	25.279	ng/ul	96
83) Butylbenzylphthalate	20.545	149	1855692	25.228	ng/ul	92
84) 3,3'-Dichlorobenzidine	21.327	252	1286431	25.619	ng/ul	100
85) Benzo(a)anthracene	21.380	228	4364224	25.794	ng/ul	100
86) Bis(2-ethylhexyl)phtha...	21.380	149	2545785	23.068	ng/ul	99
87) Chrysene	21.439	228	4064550	26.399	ng/ul	100
89) Di-n-octyl phthalate	22.451	149	3739143	22.846	ng/ul	100
90) Benzo(b)fluoranthene	23.168	252	4253843	26.344	ng/ul	99
91) Benzo(k)fluoranthene	23.221	252	4229111	26.309	ng/ul	99
93) Benzo(a)pyrene	23.845	252	3985080	26.836	ng/ul	98
94) Indeno(1,2,3-cd)pyrene	26.809	276	4903049m	28.555	ng/ul	
95) Dibenzo(a,h)anthracene	26.915	278	4077090m	29.004	ng/ul	
96) Benzo(g,h,i)perylene	27.692	276	4072035m	29.283	ng/ul	

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

