

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP071823\  
 Data File : BP016315.D  
 Acq On : 19 Jul 2023 03:42  
 Operator : MA/JU  
 Sample : PB154087BS  
 Misc :  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 SLCS087

Quant Time: Jul 19 05:27:49 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP071223.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Wed Jul 19 01:28:59 2023  
 Response via : Initial Calibration

Manual Integrations  
 APPROVED

Reviewed By :Yogesh Patel 07/19/2023  
 Supervised By :mohammad ahmed 07/19/2023

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.940	152	195681	20.000	ng/u1	0.00
20) Naphthalene-d8	10.757	136	838912	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.598	164	520924	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.363	188	1170779	20.000	ng/u1	0.00
79) Chrysene-d12	21.457	240	800345	20.000	ng/u1	0.00
88) Perylene-d12	23.951	264	914623	20.000	ng/u1	-0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.275	96	35390	6.400	ng/uL	0.00
4) Pyridine-d5	3.722	84	469086	34.013	ng/u1	0.00
7) Phenol-d5	7.122	99	539008	30.496	ng/u1	-0.01
9) Bis-(2-Chloroethyl)eth...	7.269	67	370450	30.996	ng/u1	-0.01
11) 2-Chlorophenol-d4	7.469	132	501909	39.337	ng/u1	0.00
15) 4-Methylphenol-d8	8.681	113	520037	36.524	ng/u1	-0.01
21) Nitrobenzene-d5	9.128	128	250676	43.312	ng/u1	-0.01
24) 2-Nitrophenol-d4	9.852	143	283722	43.012	ng/u1	-0.01
28) 2,4-Dichlorophenol-d3	10.404	165	464652	40.677	ng/u1	-0.02
31) 4-Chloroaniline-d4	10.928	131	673297	36.774	ng/u1	-0.01
46) Dimethylphthalate-d6	14.010	166	1550100	39.009	ng/u1	0.00
49) Acenaphthylene-d8	14.293	160	1743865	40.045	ng/u1	0.00
54) 4-Nitrophenol-d4	14.875	143	291034m	35.888	ng/u1	-0.05
60) Fluorene-d10	15.592	176	1309142	39.366	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.769	200	192578	28.493	ng/u1	-0.01
73) Anthracene-d10	17.463	188	2065071	40.324	ng/u1	-0.01
81) Pyrene-d10	19.698	212	2411927	58.077	ng/u1	-0.01
92) Benzo(a)pyrene-d12	23.780	264	1857382	42.287	ng/u1	-0.01
Target Compounds						
2) 1,4-Dioxane	3.311	88	82555	13.610	ng/uL#	96
5) Pyridine	3.740	79	485460	34.366	ng/u1	97
6) Benzaldehyde	7.093	77	334836	30.339	ng/u1	99
8) Phenol	7.152	94	567095	29.931	ng/u1	95
10) Bis(2-Chloroethyl)ether	7.363	93	527352	34.224	ng/u1	98
12) 2-Chlorophenol	7.505	128	529784	40.020	ng/u1	97
13) 2-Methylphenol	8.405	108	520262	36.483	ng/u1	97
14) 2,2'-oxybis(1-Chloropr...	8.475	45	858624m	34.336	ng/u1	
16) Acetophenone	8.787	105	868028	36.971	ng/u1	97
17) N-Nitroso-di-n-propyla...	8.758	70	481884	38.283	ng/u1	98
18) 4-Methylphenol	8.746	108	569814	36.540	ng/u1	96
19) Hexachloroethane	9.005	117	224773	37.244	ng/u1	99
22) Nitrobenzene	9.169	77	703470	41.834	ng/u1	99
23) Isophorone	9.693	82	1343496	40.306	ng/u1	99
25) 2-Nitrophenol	9.887	139	304982	43.032	ng/u1	98
26) 2,4-Dimethylphenol	9.946	107	582767	37.392	ng/u1	99
27) Bis(2-Chloroethoxy)met...	10.169	93	782548	40.320	ng/u1	99
29) 2,4-Dichlorophenol	10.434	162	454003	38.653	ng/u1	98
30) Naphthalene	10.804	128	1708127	38.799	ng/u1	99
32) 4-Chloroaniline	10.951	127	695768	38.208	ng/u1	100
33) Hexachlorobutadiene	11.069	225	322591	40.438	ng/u1	98
34) Caprolactam	11.763	113	181681m	42.727	ng/u1	
35) 4-Chloro-3-methylphenol	12.093	107	556669	38.405	ng/u1	97
36) 2-Methylnaphthalene	12.422	142	902429	30.572	ng/u1	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.640	142	909320	29.953	ng/ul	98
39) 1,2,4,5-Tetrachloroben...	12.793	216	507230	34.188	ng/ul	99
40) Hexachlorocyclopentadiene	12.746	237	116968	20.083	ng/ul	97
41) 2,4,6-Trichlorophenol	13.051	196	340790	36.357	ng/ul	98
42) 2,4,5-Trichlorophenol	13.140	196	378592	37.990	ng/ul	98
43) 1,1'-Biphenyl	13.428	154	1406141	37.004	ng/ul	98
44) 2-Chloronaphthalene	13.475	162	1164337	39.000	ng/ul	98
45) 2-Nitroaniline	13.716	65	436467	44.860	ng/ul	99
47) Dimethylphthalate	14.057	163	1615129	40.243	ng/ul	100
48) 2,6-Dinitrotoluene	14.210	165	342566	45.276	ng/ul	97
50) Acenaphthylene	14.322	152	1931238	38.612	ng/ul	99
51) 3-Nitroaniline	14.551	138	336313	43.771	ng/ul	95
52) Acenaphthene	14.657	153	1325521	39.184	ng/ul	98
53) 2,4-Dinitrophenol	14.804	184	105922	20.001	ng/ul	94
55) 4-Nitrophenol	14.887	109	224039	36.303	ng/ul#	79
56) Dibenzofuran	14.998	168	1853156	40.219	ng/ul	98
57) 2,4-Dinitrotoluene	15.016	165	490224	43.921	ng/ul	85
58) 2,3,4,6-Tetrachlorophenol	15.245	232	383399	42.392	ng/ul	99
59) Diethylphthalate	15.416	149	1684496	40.361	ng/ul	100
61) Fluorene	15.651	166	1523245	39.573	ng/ul	100
62) 4-Chlorophenyl-phenyle...	15.639	204	741514	39.831	ng/ul	98
63) 4-Nitroaniline	15.728	138	314325	44.544	ng/ul	95
66) 4,6-Dinitro-2-methylph...	15.787	198	196341	27.794	ng/ul	99
67) N-Nitrosodiphenylamine	15.863	169	1322627	42.620	ng/ul	98
68) 4-Bromophenyl-phenylether	16.539	248	476701	42.844	ng/ul	97
69) Hexachlorobenzene	16.663	284	553195	41.286	ng/ul	98
70) Atrazine	16.822	200	480294	39.030	ng/ul	99
71) Pentachlorophenol	17.028	266	256948	38.241	ng/ul	98
72) Phenanthrene	17.404	178	2488396	40.792	ng/ul	100
74) Anthracene	17.498	178	2508110	40.917	ng/ul	99
75) 1,2,3,4-Tetrachloroben...	13.398	216	532175	34.625	ng/uL	99
76) Pentachlorobenzene	14.916	250	606837	41.828	ng/uL	99
77) Carbazole	17.786	167	2337235	41.820	ng/ul	99
78) Di-n-butylphthalate	18.298	149	3069468	43.843	ng/ul	100
80) Fluoranthene	19.375	202	2966559	61.086	ng/ul	99
82) Pyrene	19.728	202	3049019	58.805	ng/ul	99
83) Butylbenzylphthalate	20.580	149	1428712	63.892	ng/ul	95
84) 3,3'-Dichlorobenzidine	21.374	252	662952	35.452	ng/ul	99
85) Benzo(a)anthracene	21.439	228	2253149	43.232	ng/ul	99
86) Bis(2-ethylhexyl)phtha...	21.322	149	1731015	51.819	ng/ul	99
87) Chrysene	21.498	228	2129752	40.339	ng/ul	100
89) Di-n-octyl phthalate	22.263	149	2934546	51.223	ng/ul	100
90) Benzo(b)fluoranthene	23.174	252	2315738	44.325	ng/ul	99
91) Benzo(k)fluoranthene	23.227	252	2216515	41.690	ng/ul	99
93) Benzo(a)pyrene	23.833	252	2054237	39.691	ng/ul	100
94) Indeno(1,2,3-cd)pyrene	26.568	276	2505071	39.088	ng/ul	98
95) Dibenzo(a,h)anthracene	26.568	278	2092454	40.028	ng/ul	98
96) Benzo(g,h,i)perylene	27.386	276	2013384	39.359	ng/ul	98

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

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