

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP010323\
 Data File : BP013379.D
 Acq On : 03 Jan 2023 15:49
 Operator : CG/JU
 Sample : N5388-03
 Misc : SFAM-MDL-S-01-4PPM
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 MDL-SOIL-QT4-2022-07

Quant Time: Jan 04 01:09:03 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP120722.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Dec 28 00:16:35 2022
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 01/05/2023
 Supervised By :Yogesh Patel 01/05/2023

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.922	152	501036	20.000	ng/u1	-0.01
20) Naphthalene-d8	10.740	136	2218163	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.569	164	1604667	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.328	188	3638971	20.000	ng/u1	0.00
79) Chrysene-d12	21.416	240	2667333	20.000	ng/u1	0.00
88) Perylene-d12	23.880	264	2191014	20.000	ng/u1	-0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.323	96	53415	4.558	ng/uL	0.00
4) Pyridine-d5	3.752	84	348371	10.465	ng/u1	0.00
7) Phenol-d5	7.087	99	811109	19.875	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.252	67	552903	22.459	ng/u1	0.00
11) 2-Chlorophenol-d4	7.452	132	647782	20.163	ng/u1	-0.01
15) 4-Methylphenol-d8	8.634	113	672031	20.097	ng/u1	-0.01
21) Nitrobenzene-d5	9.093	128	325155	19.951	ng/u1	0.00
24) 2-Nitrophenol-d4	9.816	143	363358	19.804	ng/u1	-0.01
28) 2,4-Dichlorophenol-d3	10.358	165	705293	19.790	ng/u1	0.00
31) 4-Chloroaniline-d4	10.875	131	999915	19.875	ng/u1	-0.01
46) Dimethylphthalate-d6	13.975	166	2490135	20.192	ng/u1	0.00
49) Acenaphthylene-d8	14.263	160	2684019	19.806	ng/u1	0.00
54) 4-Nitrophenol-d4	14.769	143	368963	16.632	ng/u1	-0.01
60) Fluorene-d10	15.563	176	2148928	20.597	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.687	200	388562	16.593	ng/u1	0.00
73) Anthracene-d10	17.428	188	3355894	20.441	ng/u1	0.00
81) Pyrene-d10	19.657	212	3669795	23.969	ng/u1	-0.01
92) Benzo(a)pyrene-d12	23.722	264	2250403	20.606	ng/u1	-0.01
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.358	88	20785	1.699	ng/uL#	95
5) Pyridine	3.776	79	139136	4.206	ng/u1#	81
6) Benzaldehyde	7.064	77	84280m	5.274	ng/u1	
8) Phenol	7.117	94	190988	4.629	ng/u1	95
10) Bis(2-Chloroethyl)ether	7.346	93	163313	4.822	ng/u1	93
12) 2-Chlorophenol	7.487	128	152104	4.617	ng/u1	93
13) 2-Methylphenol	8.369	108	130300	4.050	ng/u1	92
14) 2,2'-oxybis(1-Chloropr...	8.464	45	261939	5.636	ng/u1	98
16) Acetophenone	8.758	105	250992	4.895	ng/u1#	95
17) N-Nitroso-di-n-propyla...	8.734	70	128246	4.974	ng/u1#	86
18) 4-Methylphenol	8.699	108	158513	4.449	ng/u1	92
19) Hexachloroethane	9.005	117	59547	4.523	ng/u1	97
22) Nitrobenzene	9.134	77	190597	4.984	ng/u1	95
23) Isophorone	9.663	82	342017	4.423	ng/u1	98
25) 2-Nitrophenol	9.852	139	87805	4.417	ng/u1	94
26) 2,4-Dimethylphenol	9.905	107	172476	4.447	ng/u1	98
27) Bis(2-Chloroethoxy)met...	10.146	93	231873	4.690	ng/u1	98
29) 2,4-Dichlorophenol	10.387	162	159974	4.582	ng/u1	98
30) Naphthalene	10.787	128	544509	4.694	ng/u1	100
32) 4-Chloroaniline	10.905	127	226136	4.542	ng/u1	99
33) Hexachlorobutadiene	11.069	225	115034	4.799	ng/u1	98
34) Caprolactam	11.705	113	66573	5.593	ng/u1	87
35) 4-Chloro-3-methylphenol	12.022	107	152704	4.286	ng/u1	99
36) 2-Methylnaphthalene	12.393	142	368458	4.630	ng/u1	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.616	142	334415	4.086	ng/ul	97
39) 1,2,4,5-Tetrachloroben...	12.763	216	230588	4.463	ng/ul	98
40) Hexachlorocyclopentadiene	12.734	237	140460	4.177	ng/ul#	98
41) 2,4,6-Trichlorophenol	13.004	196	128794	3.879	ng/ul	98
42) 2,4,5-Trichlorophenol	13.075	196	146308	4.102	ng/ul	97
43) 1,1'-Biphenyl	13.404	154	535578	4.444	ng/ul	99
44) 2-Chloronaphthalene	13.446	162	418934	4.417	ng/ul	100
45) 2-Nitroaniline	13.651	65	92451	4.020	ng/ul#	84
47) Dimethylphthalate	14.022	163	544684	4.456	ng/ul	100
48) 2,6-Dinitrotoluene	14.146	165	80452	3.542	ng/ul	93
50) Acenaphthylene	14.293	152	649242	4.456	ng/ul	98
51) 3-Nitroaniline	14.481	138	71875	3.351	ng/ul#	93
52) Acenaphthene	14.634	153	448996	4.447	ng/ul	100
53) 2,4-Dinitrophenol	14.687	184	54428	3.505	ng/ul#	89
55) 4-Nitrophenol	14.787	109	64223	4.243	ng/ul	86
56) Dibenzofuran	14.969	168	665096	4.633	ng/ul	100
57) 2,4-Dinitrotoluene	14.940	165	125506	3.804	ng/ul	89
58) 2,3,4,6-Tetrachlorophenol	15.198	232	130085	3.996	ng/ul	96
59) Diethylphthalate	15.387	149	494156	4.159	ng/ul	99
61) Fluorene	15.622	166	534818	4.646	ng/ul	98
62) 4-Chlorophenyl-phenyle...	15.610	204	289114	4.749	ng/ul	99
63) 4-Nitroaniline	15.646	138	66879m	3.543	ng/ul	
66) 4,6-Dinitro-2-methylph...	15.698	198	131003	5.725	ng/ul#	84
67) N-Nitrosodiphenylamine	15.828	169	438464	4.346	ng/ul	100
68) 4-Bromophenyl-phenylether	16.510	248	169731	4.295	ng/ul	96
69) Hexachlorobenzene	16.628	284	205450	4.378	ng/ul	99
70) Atrazine	16.781	200	128968	3.280	ng/ul	98
71) Pentachlorophenol	16.975	266	131709	4.635	ng/ul	99
72) Phenanthrene	17.369	178	853182	4.501	ng/ul	100
74) Anthracene	17.463	178	854133	4.513	ng/ul	100
75) 1,2,3,4-Tetrachloroben...	13.369	216	206957	3.986	ng/uL	99
76) Pentachlorobenzene	14.887	250	212857	4.021	ng/uL	96
77) Carbazole	17.734	167	669725	4.202	ng/ul	99
78) Di-n-butylphthalate	18.275	149	694978	3.581	ng/ul	99
80) Fluoranthene	19.334	202	919227	5.290	ng/ul	99
82) Pyrene	19.686	202	997012	5.562	ng/ul	99
83) Butylbenzylphthalate	20.551	149	239520	3.459	ng/ul	93
84) 3,3'-Dichlorobenzidine	21.328	252	191099	3.171	ng/ul	98
85) Benzo(a)anthracene	21.398	228	762479	4.306	ng/ul	99
86) Bis(2-ethylhexyl)phtha...	21.310	149	292778	2.997	ng/ul	99
87) Chrysene	21.451	228	743086	4.438	ng/ul	99
89) Di-n-octyl phthalate	22.251	149	389421	3.173	ng/ul	100
90) Benzo(b)fluoranthene	23.122	252	615542	4.406	ng/ul	99
91) Benzo(k)fluoranthene	23.175	252	620347	4.478	ng/ul	99
93) Benzo(a)pyrene	23.769	252	527657	4.337	ng/ul	99
94) Indeno(1,2,3-cd)pyrene	26.451	276	697120	4.600	ng/ul	99
95) Dibenzo(a,h)anthracene	26.463	278	585430	4.666	ng/ul	99
96) Benzo(g,h,i)perylene	27.245	276	587215	4.827	ng/ul	98

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

