

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP030422\
 Data File : BP009264.D
 Acq On : 04 Mar 2022 12:02
 Operator : CG/JU
 Sample : N1331-04
 Misc : SFAM-MDL-SOIL02
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 MDL-SOIL-QT1-2022-02

Quant Time: Mar 04 12:30:50 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP030222.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Mar 02 18:15:01 2022
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 03/04/2022
 Supervised By :mohammad ahmed 03/07/2022

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.822	152	335448	20.000	ng/ul	# 0.00
20) Naphthalene-d8	10.616	136	1334930	20.000	ng/ul	#-0.01
38) Acenaphthene-d10	14.463	164	834703	20.000	ng/ul	-0.01
64) Phenanthrene-d10	17.222	188	1721759	20.000	ng/ul	#-0.01
79) Chrysene-d12	21.327	240	1762316	20.000	ng/ul	-0.01
88) Perylene-d12	23.733	264	1798651	20.000	ng/ul	-0.02
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.317	96	46523m	5.574	ng/uL	0.00
4) Pyridine-d5	3.723	84	505075	24.254	ng/ul	0.00
7) Phenol-d5	6.987	99	650016	23.920	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.158	67	403736	24.757	ng/ul	0.00
11) 2-Chlorophenol-d4	7.358	132	528552	24.879	ng/ul	0.00
15) 4-Methylphenol-d8	8.528	113	506301	24.374	ng/ul	0.00
21) Nitrobenzene-d5	8.975	128	213149	27.379	ng/ul	0.00
24) 2-Nitrophenol-d4	9.699	143	208305	28.230	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.234	165	484135	24.625	ng/ul	-0.01
31) 4-Chloroaniline-d4	10.746	131	708215	25.474	ng/ul	-0.01
46) Dimethylphthalate-d6	13.875	166	1506189	25.748	ng/ul	-0.01
49) Acenaphthylene-d8	14.151	160	1870142	24.196	ng/ul	-0.01
54) 4-Nitrophenol-d4	14.645	143	210730	22.747	ng/ul	-0.01
60) Fluorene-d10	15.457	176	1313139	25.798	ng/ul	-0.01
65) 4,6-Dinitro-2-methylph...	15.569	200	146488	20.961	ng/ul	-0.01
73) Anthracene-d10	17.322	188	1992301	24.621	ng/ul	-0.01
81) Pyrene-d10	19.563	212	2356438	24.325	ng/ul	-0.01
92) Benzo(a)pyrene-d12	23.574	264	2253058	24.766	ng/ul	-0.02
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.358	88	9829	1.178	ng/uL#	80
5) Pyridine	3.740	79	91753	4.152	ng/ul#	33
6) Benzaldehyde	6.964	77	74856m	4.682	ng/ul	
8) Phenol	7.011	94	118078	4.317	ng/ul#	91
10) Bis(2-Chloroethyl)ether	7.246	93	93640	4.289	ng/ul#	83
12) 2-Chlorophenol	7.387	128	96928	4.508	ng/ul	87
13) 2-Methylphenol	8.263	108	82656	4.050	ng/ul	97
14) 2,2'-oxybis(1-Chloropr...	8.352	45	120657	4.596	ng/ul#	89
16) Acetophenone	8.640	105	138816	4.374	ng/ul#	86
17) N-Nitroso-di-n-propyla...	8.628	70	63639	4.025	ng/ul#	81
18) 4-Methylphenol	8.587	108	91895	4.284	ng/ul	96
19) Hexachloroethane	8.905	117	37845	4.311	ng/ul	82
22) Nitrobenzene	9.016	77	101005	4.982	ng/ul#	81
23) Isophorone	9.546	82	178297	3.978	ng/ul#	95
25) 2-Nitrophenol	9.728	139	40807	4.726	ng/ul#	77
26) 2,4-Dimethylphenol	9.793	107	99759m	4.280	ng/ul	
27) Bis(2-Chloroethoxy)met...	10.034	93	121039	4.416	ng/ul#	96
29) 2,4-Dichlorophenol	10.263	162	87795	4.535	ng/ul#	76
30) Naphthalene	10.669	128	311259	4.589	ng/ul	95
32) 4-Chloroaniline	10.769	127	127346	4.629	ng/ul	99
33) Hexachlorobutadiene	10.969	225	63083	4.497	ng/ul	92
34) Caprolactam	11.546	113	23698m	4.242	ng/ul	
35) 4-Chloro-3-methylphenol	11.899	107	79596	4.061	ng/ul#	61
36) 2-Methylnaphthalene	12.281	142	206445	4.542	ng/ul	91

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.499	142	187392	4.124	ng/ul#	93
39) 1,2,4,5-Tetrachloroben...	12.651	216	116317	4.382	ng/ul	92
40) Hexachlorocyclopentadiene	12.640	237	83931	5.034	ng/ul	95
41) 2,4,6-Trichlorophenol	12.887	196	57159	3.718	ng/ul#	93
42) 2,4,5-Trichlorophenol	12.957	196	65926m	4.054	ng/ul	
43) 1,1'-Biphenyl	13.293	154	286060	4.490	ng/ul#	92
44) 2-Chloronaphthalene	13.334	162	217070	4.480	ng/ul	91
45) 2-Nitroaniline	13.528	65	33057	3.881	ng/ul#	85
47) Dimethylphthalate	13.922	163	262820	4.642	ng/ul#	91
48) 2,6-Dinitrotoluene	14.028	165	28321	3.661	ng/ul#	94
50) Acenaphthylene	14.181	152	346179	4.517	ng/ul	96
51) 3-Nitroaniline	14.351	138	32566	3.334	ng/ul	86
52) Acenaphthene	14.528	153	226317	4.544	ng/ul	98
53) 2,4-Dinitrophenol	14.557	184	22524	4.762	ng/ul#	82
55) 4-Nitrophenol	14.657	109	31607	4.317	ng/ul#	40
56) Dibenzofuran	14.863	168	333342	4.732	ng/ul	99
57) 2,4-Dinitrotoluene	14.816	165	47975	4.316	ng/ul#	84
58) 2,3,4,6-Tetrachlorophenol	15.087	232	50150	3.944	ng/ul#	84
59) Diethylphthalate	15.293	149	244561	4.463	ng/ul#	92
61) Fluorene	15.510	166	262713	4.757	ng/ul	92
62) 4-Chlorophenyl-phenyle...	15.510	204	136942	4.887	ng/ul	99
63) 4-Nitroaniline	15.516	138	34640	3.659	ng/ul#	69
66) 4,6-Dinitro-2-methylph...	15.581	198	28771	3.916	ng/ul#	75
67) N-Nitrosodiphenylamine	15.722	169	215799	4.283	ng/ul	96
68) 4-Bromophenyl-phenylether	16.410	248	77439	4.312	ng/ul	92
69) Hexachlorobenzene	16.528	284	90580	4.392	ng/ul#	88
70) Atrazine	16.681	200	75907	4.226	ng/ul	91
71) Pentachlorophenol	16.869	266	53300	4.378	ng/ul#	87
72) Phenanthrene	17.263	178	415577	4.527	ng/ul	98
74) Anthracene	17.351	178	410585	4.481	ng/ul	98
75) 1,2,3,4-Tetrachloroben...	13.257	216	105753	3.645	ng/uL#	83
76) Pentachlorobenzene	14.781	250	109874	4.251	ng/uL	94
77) Carbazole	17.622	167	339722	4.165	ng/ul#	95
78) Di-n-butylphthalate	18.198	149	356562	3.943	ng/ul#	93
80) Fluoranthene	19.239	202	466821	4.182	ng/ul	98
82) Pyrene	19.592	202	511396	4.481	ng/ul	98
83) Butylbenzylphthalate	20.480	149	133629m	3.627	ng/ul	
84) 3,3'-Dichlorobenzidine	21.245	252	117797	3.172	ng/ul#	96
85) Benzo(a)anthracene	21.310	228	492142	4.418	ng/ul	95
86) Bis(2-ethylhexyl)phtha...	21.257	149	222290	3.795	ng/ul#	81
87) Chrysene	21.363	228	482019	4.465	ng/ul	98
89) Di-n-octyl phthalate	22.186	149	331818	3.408	ng/ul	100
90) Benzo(b)fluoranthene	22.998	252	482273	4.254	ng/ul	98
91) Benzo(k)fluoranthene	23.045	252	470244	4.577	ng/ul#	96
93) Benzo(a)pyrene	23.627	252	476572	4.387	ng/ul#	97
94) Indeno(1,2,3-cd)pyrene	26.239	276	524931	4.081	ng/ul#	88
95) Dibenzo(a,h)anthracene	26.251	278	460717	4.243	ng/ul#	94
96) Benzo(g,h,i)perylene	26.992	276	446708	4.056	ng/ul#	90

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

