

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP091521\
 Data File : BP006974.D
 Acq On : 15 Sep 2021 13:02
 Operator : CG/JU
 Sample : M3263-04
 Misc : SFAM-MDL-S-02
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 MDL-SOIL-QT4-2021-08

Manual Integrations
 APPROVED

mohammad
 9/16/2021 11:43:53 AM

Quant Time: Sep 15 13:28:50 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\SFAM-EPA-BP090821.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Sep 15 10:54:36 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.922	152	392330	20.000	ng/u1	0.00
20) Naphthalene-d8	10.722	136	1620597	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.551	164	1044840	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.298	188	2136713	20.000	ng/u1	# 0.00
79) Chrysene-d12	21.380	240	2013485	20.000	ng/u1	0.00
88) Perylene-d12	23.810	264	1927599	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.352	96	55878	5.668	ng/uL	0.00
4) Pyridine-d5	3.770	84	554790	21.595	ng/u1	0.00
7) Phenol-d5	7.075	99	902553	31.300	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.252	67	554949	33.510	ng/u1	0.00
11) 2-Chlorophenol-d4	7.446	132	744309	31.974	ng/u1	0.00
15) 4-Methylphenol-d8	8.622	113	711372	31.416	ng/u1	0.00
21) Nitrobenzene-d5	9.081	128	334658	34.093	ng/u1	0.00
24) 2-Nitrophenol-d4	9.805	143	344521	35.650	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.340	165	695590	30.525	ng/u1	0.00
31) 4-Chloroaniline-d4	10.857	131	964503	30.607	ng/u1	0.00
46) Dimethylphthalate-d6	13.963	166	2129035	31.461	ng/u1	0.00
49) Acenaphthylene-d8	14.245	160	2474833	28.875	ng/u1	0.00
54) 4-Nitrophenol-d4	14.734	143	353357	30.056	ng/u1	0.00
60) Fluorene-d10	15.545	176	1841658	30.835	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.657	200	273750	28.961	ng/u1	0.00
73) Anthracene-d10	17.398	188	2762288	31.226	ng/u1	0.00
81) Pyrene-d10	19.633	212	3052606	32.372	ng/u1	0.00
92) Benzo(a)pyrene-d12	23.657	264	3009543	32.363	ng/u1	0.01
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.387	88	11554	1.053	ng/uL	94
5) Pyridine	3.793	79	105625	4.099	ng/u1#	54
6) Benzaldehyde	7.058	77	82403m	4.485	ng/u1	
8) Phenol	7.105	94	124892	4.190	ng/u1	93
10) Bis(2-Chloroethyl)ether	7.340	93	106005	4.442	ng/u1	99
12) 2-Chlorophenol	7.481	128	100651	4.214	ng/u1	94
13) 2-Methylphenol	8.358	108	83099	3.671	ng/u1	99
14) 2,2'-oxybis(1-Chloropr...	8.452	45	122234	4.435	ng/u1	96
16) Acetophenone	8.746	105	148314	4.271	ng/u1	91
17) N-Nitroso-di-n-propyla...	8.728	70	67447	4.169	ng/u1#	95
18) 4-Methylphenol	8.687	108	98181	4.044	ng/u1	99
19) Hexachloroethane	9.005	117	38160	3.924	ng/u1	87
22) Nitrobenzene	9.122	77	107131	4.510	ng/u1	92
23) Isophorone	9.652	82	175989	3.730	ng/u1	96
25) 2-Nitrophenol	9.834	139	49732	4.604	ng/u1#	86
26) 2,4-Dimethylphenol	9.893	107	103688	3.962	ng/u1	89
27) Bis(2-Chloroethoxy)met...	10.134	93	129388	4.143	ng/u1	97
29) 2,4-Dichlorophenol	10.363	162	92411m	4.095	ng/u1	
30) Naphthalene	10.769	128	324849	4.132	ng/u1	100
32) 4-Chloroaniline	10.881	127	132707	4.135	ng/u1	100
33) Hexachlorobutadiene	11.063	225	59919	3.849	ng/u1	94
34) Caprolactam	11.687	113	24205m	3.598	ng/u1	
35) 4-Chloro-3-methylphenol	11.999	107	83085	3.630	ng/u1	88
36) 2-Methylnaphthalene	12.381	142	218810	4.152	ng/u1	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.598	142	217938	4.054	ng/ul	96
39) 1,2,4,5-Tetrachloroben...	12.746	216	120231	4.019	ng/ul#	94
40) Hexachlorocyclopentadiene	12.728	237	73473	3.805	ng/ul	99
41) 2,4,6-Trichlorophenol	12.981	196	60825	3.512	ng/ul	99
42) 2,4,5-Trichlorophenol	13.051	196	68848	3.566	ng/ul	99
43) 1,1'-Biphenyl	13.387	154	298459	4.103	ng/ul#	96
44) 2-Chloronaphthalene	13.428	162	226521	4.039	ng/ul	93
45) 2-Nitroaniline	13.628	65	38630	3.389	ng/ul#	85
47) Dimethylphthalate	14.004	163	282960	4.146	ng/ul	99
48) 2,6-Dinitrotoluene	14.122	165	37989	3.333	ng/ul#	85
50) Acenaphthylene	14.269	152	350698	3.944	ng/ul	99
51) 3-Nitroaniline	14.451	138	37375	2.860	ng/ul#	95
52) Acenaphthene	14.616	153	238584	4.052	ng/ul	98
53) 2,4-Dinitrophenol	14.657	184	19378	3.026	ng/ul#	72
55) 4-Nitrophenol	14.745	109	36218	4.191	ng/ul	84
56) Dibenzofuran	14.945	168	346910	4.083	ng/ul	88
57) 2,4-Dinitrotoluene	14.910	165	57227	3.513	ng/ul#	79
58) 2,3,4,6-Tetrachlorophenol	15.175	232	52732	3.390	ng/ul#	83
59) Diethylphthalate	15.369	149	257308	3.872	ng/ul	96
61) Fluorene	15.598	166	281053	4.150	ng/ul	99
62) 4-Chlorophenyl-phenyle...	15.592	204	141716	4.105	ng/ul#	81
63) 4-Nitroaniline	15.610	138	42324m	3.244	ng/ul	
66) 4,6-Dinitro-2-methylph...	15.669	198	39554	4.110	ng/ul#	89
67) N-Nitrosodiphenylamine	15.804	169	230164	4.090	ng/ul	99
68) 4-Bromophenyl-phenylether	16.487	248	75928	3.759	ng/ul#	85
69) Hexachlorobenzene	16.604	284	90245	3.853	ng/ul#	87
70) Atrazine	16.757	200	71231	3.342	ng/ul	95
71) Pentachlorophenol	16.945	266	47024	3.505	ng/ul	95
72) Phenanthrene	17.345	178	437336	4.109	ng/ul	99
74) Anthracene	17.434	178	438853	4.148	ng/ul	100
75) 1,2,3,4-Tetrachloroben...	13.351	216	116200	3.880	ng/uL	97
76) Pentachlorobenzene	14.869	250	112978	3.897	ng/uL	99
77) Carbazole	17.704	167	347750	3.698	ng/ul	97
78) Di-n-butylphthalate	18.257	149	359764	3.376	ng/ul	99
80) Fluoranthene	19.304	202	476580	4.064	ng/ul	95
82) Pyrene	19.657	202	522911	4.347	ng/ul	95
83) Butylbenzylphthalate	20.533	149	135701	3.240	ng/ul	90
84) 3,3'-Dichlorobenzidine	21.298	252	146457	3.505	ng/ul	98
85) Benzo(a)anthracene	21.369	228	462653	3.947	ng/ul	99
86) Bis(2-ethylhexyl)phtha...	21.298	149	206813	3.312	ng/ul#	96
87) Chrysene	21.422	228	469871	4.050	ng/ul	99
89) Di-n-octyl phthalate	22.227	149	305065	3.062	ng/ul	100
90) Benzo(b)fluoranthene	23.069	252	449080	3.982	ng/ul	98
91) Benzo(k)fluoranthene	23.116	252	416590	3.946	ng/ul	98
93) Benzo(a)pyrene	23.704	252	418874	3.860	ng/ul#	97
94) Indeno(1,2,3-cd)pyrene	26.345	276	445456	3.538	ng/ul	96
95) Dibenzo(a,h)anthracene	26.368	278	379951	3.488	ng/ul	97
96) Benzo(g,h,i)perylene	27.127	276	365036	3.381	ng/ul	95

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

