

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP091521\
 Data File : BP006976.D
 Acq On : 15 Sep 2021 15:04
 Operator : CG/JU
 Sample : M3263-06
 Misc : SFAM-MDL-ME-S-02
 ALS Vial : 8 Sample Multiplier: 1

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

Manual Integrations
 APPROVED

mohammad
 9/16/2021 11:43:56 AM

Quant Time: Sep 15 15:31:23 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	367383	20.000	ng/u1	0.00
20) Naphthalene-d8	10.722	136	1533723	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.551	164	1008421	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.298	188	2065731	20.000	ng/u1	# 0.00
79) Chrysene-d12	21.374	240	1814239	20.000	ng/u1	0.00
88) Perylene-d12	23.804	264	1604020	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.352	96	52425	5.679	ng/uL	0.00
4) Pyridine-d5	3.769	84	522241	21.708	ng/u1	0.00
7) Phenol-d5	7.081	99	864566	32.019	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.252	67	535174	34.510	ng/u1	0.00
11) 2-Chlorophenol-d4	7.452	132	714649	32.784	ng/u1	0.00
15) 4-Methylphenol-d8	8.622	113	691551	32.614	ng/u1	0.00
21) Nitrobenzene-d5	9.081	128	326792	35.177	ng/u1	0.00
24) 2-Nitrophenol-d4	9.804	143	334224	36.543	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.340	165	676617	31.374	ng/u1	0.00
31) 4-Chloroaniline-d4	10.857	131	947063	31.756	ng/u1	0.00
46) Dimethylphthalate-d6	13.957	166	2122475	32.497	ng/u1	0.00
49) Acenaphthylene-d8	14.245	160	2450165	29.620	ng/u1	0.00
54) 4-Nitrophenol-d4	14.734	143	351238	30.955	ng/u1	0.00
60) Fluorene-d10	15.539	176	1827626	31.706	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.651	200	269806	29.525	ng/u1	0.00
73) Anthracene-d10	17.392	188	2735445	31.985	ng/u1	0.00
81) Pyrene-d10	19.627	212	2960982	34.849	ng/u1	0.00
92) Benzo(a)pyrene-d12	23.645	264	2608424	33.708	ng/u1	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.387	88	10430	1.015	ng/uL	94
5) Pyridine	3.793	79	100284	4.156	ng/u1#	47
6) Benzaldehyde	7.063	77	77040	4.478	ng/u1	88
8) Phenol	7.105	94	121240	4.344	ng/u1	93
10) Bis(2-Chloroethyl)ether	7.346	93	99729	4.463	ng/u1	97
12) 2-Chlorophenol	7.481	128	96274	4.305	ng/u1	96
13) 2-Methylphenol	8.357	108	80847	3.814	ng/u1	98
14) 2,2'-oxybis(1-Chloropr...	8.457	45	119159	4.617	ng/u1	99
16) Acetophenone	8.746	105	147754	4.544	ng/u1	91
17) N-Nitroso-di-n-propyla...	8.734	70	67649	4.465	ng/u1	97
18) 4-Methylphenol	8.687	108	94773	4.169	ng/u1	100
19) Hexachloroethane	9.004	117	37069	4.070	ng/u1#	81
22) Nitrobenzene	9.122	77	103802	4.617	ng/u1	94
23) Isophorone	9.652	82	176296	3.949	ng/u1	94
25) 2-Nitrophenol	9.834	139	49643	4.856	ng/u1#	84
26) 2,4-Dimethylphenol	9.893	107	100332	4.051	ng/u1	94
27) Bis(2-Chloroethoxy)met...	10.134	93	129776	4.391	ng/u1	99
29) 2,4-Dichlorophenol	10.363	162	92135	4.314	ng/u1	89
30) Naphthalene	10.775	128	316484	4.254	ng/u1	99
32) 4-Chloroaniline	10.881	127	130616	4.300	ng/u1	98
33) Hexachlorobutadiene	11.063	225	58886	3.997	ng/u1	96
34) Caprolactam	11.687	113	27664m	4.346	ng/u1	
35) 4-Chloro-3-methylphenol	11.998	107	80854	3.732	ng/u1	89
36) 2-Methylnaphthalene	12.381	142	216932	4.349	ng/u1	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.598	142	217983	4.284	ng/ul	96
39) 1,2,4,5-Tetrachloroben...	12.745	216	117610	4.073	ng/ul#	95
40) Hexachlorocyclopentadiene	12.728	237	79936	4.289	ng/ul	98
41) 2,4,6-Trichlorophenol	12.987	196	61036	3.652	ng/ul	99
42) 2,4,5-Trichlorophenol	13.051	196	67352	3.615	ng/ul	98
43) 1,1'-Biphenyl	13.387	154	292935	4.172	ng/ul	98
44) 2-Chloronaphthalene	13.428	162	226211	4.179	ng/ul	92
45) 2-Nitroaniline	13.628	65	39320	3.574	ng/ul	85
47) Dimethylphthalate	14.004	163	280687	4.261	ng/ul	98
48) 2,6-Dinitrotoluene	14.122	165	37633	3.421	ng/ul	86
50) Acenaphthylene	14.269	152	345668	4.027	ng/ul	99
51) 3-Nitroaniline	14.451	138	38432	3.048	ng/ul#	87
52) Acenaphthene	14.610	153	239232	4.209	ng/ul	97
53) 2,4-Dinitrophenol	14.651	184	23741m	3.842	ng/ul	
55) 4-Nitrophenol	14.745	109	35615	4.270	ng/ul#	79
56) Dibenzofuran	14.945	168	346669	4.227	ng/ul#	86
57) 2,4-Dinitrotoluene	14.904	165	57402	3.651	ng/ul#	82
58) 2,3,4,6-Tetrachlorophenol	15.169	232	54427	3.625	ng/ul#	84
59) Diethylphthalate	15.369	149	256363	3.997	ng/ul	95
61) Fluorene	15.592	166	280120	4.285	ng/ul	99
62) 4-Chlorophenyl-phenyle...	15.592	204	142038	4.262	ng/ul#	81
63) 4-Nitroaniline	15.610	138	40519m	3.218	ng/ul	
66) 4,6-Dinitro-2-methylph...	15.663	198	39746	4.272	ng/ul#	96
67) N-Nitrosodiphenylamine	15.798	169	226130	4.156	ng/ul	99
68) 4-Bromophenyl-phenylether	16.486	248	77987	3.993	ng/ul#	82
69) Hexachlorobenzene	16.598	284	91388	4.036	ng/ul#	90
70) Atrazine	16.757	200	77341	3.754	ng/ul	92
71) Pentachlorophenol	16.945	266	59008	4.549	ng/ul	97
72) Phenanthrene	17.339	178	429612	4.175	ng/ul	99
74) Anthracene	17.428	178	427442	4.179	ng/ul	100
75) 1,2,3,4-Tetrachloroben...	13.351	216	111792	3.861	ng/uL	98
76) Pentachlorobenzene	14.869	250	111783	3.989	ng/uL	99
77) Carbazole	17.698	167	342933	3.772	ng/ul	97
78) Di-n-butylphthalate	18.251	149	356379	3.459	ng/ul	99
80) Fluoranthene	19.298	202	456151	4.317	ng/ul#	94
82) Pyrene	19.651	202	502640	4.637	ng/ul#	94
83) Butylbenzylphthalate	20.527	149	124811	3.307	ng/ul	91
84) 3,3'-Dichlorobenzidine	21.292	252	127954	3.399	ng/ul	99
85) Benzo(a)anthracene	21.363	228	426087	4.034	ng/ul	99
86) Bis(2-ethylhexyl)phtha...	21.292	149	182065	3.236	ng/ul#	95
87) Chrysene	21.416	228	432031	4.133	ng/ul	98
89) Di-n-octyl phthalate	22.221	149	267007	3.221	ng/ul	100
90) Benzo(b)fluoranthene	23.057	252	386701	4.120	ng/ul	98
91) Benzo(k)fluoranthene	23.104	252	383165	4.361	ng/ul	98
93) Benzo(a)pyrene	23.692	252	359181	3.977	ng/ul	97
94) Indeno(1,2,3-cd)pyrene	26.333	276	369124	3.524	ng/ul	96
95) Dibenzo(a,h)anthracene	26.351	278	313539	3.459	ng/ul	98
96) Benzo(g,h,i)perylene	27.104	276	303464	3.378	ng/ul	96

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

