

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG121520\
 Data File : BG047740.D
 Acq On : 15 Dec 2020 10:12
 Operator : CG/JU
 Sample : L4485-04
 Misc : MDL-SOIL-04
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 MDL-SOIL-04

Manual Integrations
 APPROVED

mohammad
 12/18/2020 10:23:15 AM

Quant Time: Dec 16 12:23:22 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SFAM-EPA-BG121120.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Dec 11 14:20:11 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.20	152	26896	20.00	ng/ul	0.00
20) Naphthalene-d8	11.03	136	99489	20.00	ng/ul	0.00
38) Acenaphthene-d10	14.83	164	80912	20.00	ng/ul	0.00
64) Phenanthrene-d10	17.56	188	207173	20.00	ng/ul	0.00
79) Chrysene-d12	21.84	240	247127	20.00	ng/ul	0.00
88) Perylene-d12	25.19	264	251689	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.52	96	2821	4.61	ng/uL	0.00
4) Pyridine-d5	3.96	84	36190	20.85	ng/ul	0.00
7) Phenol-d5	7.34	99	67261	29.81	ng/ul	0.00
9) Bis-(2-Chloroethyl)ether-d	7.51	67	36838	30.99	ng/ul	0.00
11) 2-Chlorophenol-d4	7.73	132	50791	29.77	ng/ul	0.00
15) 4-Methylphenol-d8	8.90	113	54850	31.96	ng/ul	0.00
21) Nitrobenzene-d5	9.37	128	26090	31.16	ng/ul	0.00
24) 2-Nitrophenol-d4	10.10	143	29884	31.36	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.64	165	60928	30.27	ng/ul	0.00
31) 4-Chloroaniline-d4	11.15	131	70269	30.00	ng/ul	0.00
46) Dimethylphthalate-d6	14.21	166	202641	30.35	ng/ul	0.00
49) Acenaphthylene-d8	14.52	160	240112	31.44	ng/ul	0.00
54) 4-Nitrophenol-d4	14.99	143	26644	26.20	ng/ul	0.00
60) Fluorene-d10	15.81	176	179341	28.77	ng/ul	0.00
65) 4,6-Dinitro-2-methylphenol	15.91	200	37926	26.75	ng/ul	0.00
73) Anthracene-d10	17.66	188	300879	29.87	ng/ul	0.00
81) Pyrene-d10	19.93	212	394871	29.52	ng/ul	0.00
92) Benzo(a)pyrene-d12	24.96	264	408614	28.93	ng/ul	-0.01

Target Compounds

				Ovalue	
2) 1,4-Dioxane	3.57	88	362m	0.574	ng/uL
5) Pyridine	3.99	79	5063m	3.110	ng/ul
6) Benzaldehyde	7.33	77	5467	5.274	ng/ul# 68
8) Phenol	7.36	94	6304	2.843	ng/ul# 78
10) Bis(2-Chloroethyl)ether	7.60	93	5027	3.260	ng/ul# 77
12) 2-Chlorophenol	7.76	128	4598m	2.716	ng/ul
13) 2-Methylphenol	8.63	108	4885	2.896	ng/ul 82
14) 2,2'-oxybis(1-Chloropropan	8.72	45	4581m	3.192	ng/ul
16) Acetophenone	9.03	105	8498	2.948	ng/ul 99
17) N-Nitroso-di-n-propylamine	9.00	70	4459	2.817	ng/ul# 83
18) 4-Methylphenol	8.96	108	5053	2.730	ng/ul 83
19) Hexachloroethane	9.30	117	2310	2.787	ng/ul# 78
22) Nitrobenzene	9.42	77	7798	3.128	ng/ul# 89
23) Isophorone	9.94	82	12278	2.836	ng/ul# 83
25) 2-Nitrophenol	10.13	139	2607	2.618	ng/ul# 86
26) 2,4-Dimethylphenol	10.18	107	6818	2.917	ng/ul 90
27) Bis(2-Chloroethoxy)methane	10.42	93	5858	2.835	ng/ul# 73
29) 2,4-Dichlorophenol	10.67	162	5106	2.765	ng/ul 95
30) Naphthalene	11.08	128	15006	2.730	ng/ul# 93
32) 4-Chloroaniline	11.18	127	6220	2.778	ng/ul# 80
33) Hexachlorobutadiene	11.37	225	5798	2.924	ng/ul# 85
34) Caprolactam	11.95	113	1820m	2.910	ng/ul

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
35) 4-Chloro-3-methylphenol	12.28	107	5830	2.864	ng/ul#	78
36) 2-Methylnaphthalene	12.68	142	12017	2.897	ng/ul	99
37) 1-Methylnaphthalene	12.89	142	12174	3.072	ng/ul#	96
39) 1,2,4,5-Tetrachlorobenzene	13.03	216	10004	3.002	ng/ul#	85
40) Hexachlorocyclopentadiene	13.01	237	4436	2.030	ng/ul	88
41) 2,4,6-Trichlorophenol	13.26	196	4891	2.448	ng/ul#	78
42) 2,4,5-Trichlorophenol	13.34	196	5342	2.524	ng/ul	88
43) 1,1'-Biphenyl	13.66	154	17421	2.788	ng/ul	95
44) 2-Chloronaphthalene	13.71	162	14333	2.914	ng/ul#	91
45) 2-Nitroaniline	13.90	65	4466	2.643	ng/ul#	76
47) Dimethylphthalate	14.26	163	18720	2.736	ng/ul#	97
48) 2,6-Dinitrotoluene	14.39	165	4148	2.869	ng/ul#	63
50) Acenaphthylene	14.55	152	19880	2.763	ng/ul#	90
51) 3-Nitroaniline	14.71	138	2751	2.650	ng/ul#	74
52) Acenaphthene	14.89	153	13263	2.594	ng/ul	94
53) 2,4-Dinitrophenol	14.95	184	513m	0.598	ng/ul	
55) 4-Nitrophenol	15.01	109	4436	2.572	ng/ul#	86
56) Dibenzofuran	15.22	168	22159	2.991	ng/ul	90
57) 2,4-Dinitrotoluene	15.17	165	5907	2.851	ng/ul#	83
58) 2,3,4,6-Tetrachlorophenol	15.44	232	5129	2.617	ng/ul#	84
59) Diethylphthalate	15.61	149	17183	2.537	ng/ul#	93
61) Fluorene	15.87	166	17770	2.791	ng/ul	87
62) 4-Chlorophenyl-phenylether	15.85	204	11740	2.948	ng/ul#	85
63) 4-Nitroaniline	15.87	138	4037	4.137	ng/ul#	94
66) 4,6-Dinitro-2-methylphenol	15.93	198	3404	2.365	ng/ul#	84
67) N-Nitrosodiphenylamine	16.06	169	16123	2.797	ng/ul#	89
68) 4-Bromophenyl-phenylether	16.75	248	7333	2.757	ng/ul#	84
69) Hexachlorobenzene	16.86	284	8842	3.028	ng/ul#	77
70) Atrazine	16.99	200	7634	2.780	ng/ul	94
71) Pentachlorophenol	17.21	266	1207	0.879	ng/ul#	42
72) Phenanthrene	17.60	178	33312	2.961	ng/ul#	85
74) Anthracene	17.69	178	31788	2.829	ng/ul	96
75) 1,2,3,4-Tetrachlorobenzene	13.63	216	8828	2.629	ng/uL	95
76) Pentachlorobenzene	15.14	250	8755	2.672	ng/uL	96
77) Carbazole	17.96	167	25567	2.791	ng/ul	98
78) Di-n-butylphthalate	18.50	149	29646	2.638	ng/ul	97
80) Fluoranthene	19.60	202	45325	2.676	ng/ul#	97
82) Pyrene	19.96	202	46019	2.752	ng/ul	98
83) Butylbenzylphthalate	20.82	149	16181	2.774	ng/ul	88
84) 3,3'-Dichlorobenzidine	21.72	252	17253	2.835	ng/ul#	81
85) Benzo(a)anthracene	21.81	228	48681	2.791	ng/ul	99
86) Bis(2-ethylhexyl)phthalate	21.70	149	21679	2.696	ng/ul#	81
87) Chrysene	21.88	228	46404	2.804	ng/ul	94
89) Di-n-octyl phthalate	22.95	149	37201	2.809	ng/ul	100
90) Benzo(b)fluoranthene	24.11	252	52532	2.986	ng/ul#	96
91) Benzo(k)fluoranthene	24.18	252	50721	2.918	ng/ul#	99
93) Benzo(a)pyrene	25.02	252	47101m	3.036	ng/ul	
94) Indeno(1,2,3-cd)pyrene	29.01	276	55174m	2.874	ng/ul	
95) Dibenzo(a,h)anthracene	29.08	278	45095m	2.828	ng/ul	
96) Benzo(g,h,i)perylene	30.21	276	46157m	2.919	ng/ul	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

