

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082322\
 Data File : BP011538.D
 Acq On : 23 Aug 2022 11:13
 Operator : CG/JU
 Sample : N3670-04
 Misc : SFAM-MDL-SOIL-4PPM
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 MDL-SOIL-QT2-2022-04

Manual Integrations
 APPROVED

Reviewed By :Jagrut
 Upadhyay

Quant Time: Aug 23 11:46:10 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP081622.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Aug 17 01:58:37 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.552	152	60292	20.000	ng/u1	0.00
20) Naphthalene-d8	10.334	136	263121	20.000	ng/u1	-0.02
38) Acenaphthene-d10	14.222	164	156445	20.000	ng/u1	-0.01
64) Phenanthrene-d10	16.992	188	315271	20.000	ng/u1	-0.01
79) Chrysene-d12	21.122	240	298746	20.000	ng/u1	-0.01
88) Perylene-d12	23.410	264	307978	20.000	ng/u1	-0.02
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.064	96	8893	4.577	ng/uL	0.00
4) Pyridine-d5	3.476	84	96527	19.405	ng/u1	0.00
7) Phenol-d5	6.734	99	115856	20.910	ng/u1	-0.01
9) Bis-(2-Chloroethyl)eth...	6.899	67	78515	21.812	ng/u1	-0.01
11) 2-Chlorophenol-d4	7.081	132	98626	24.202	ng/u1	-0.01
15) 4-Methylphenol-d8	8.269	113	95783	21.599	ng/u1	-0.01
21) Nitrobenzene-d5	8.716	128	44783	23.641	ng/u1	-0.01
24) 2-Nitrophenol-d4	9.434	143	46658	24.202	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	9.963	165	82592	23.209	ng/u1	-0.01
31) 4-Chloroaniline-d4	10.493	131	129190	21.809	ng/u1	0.00
46) Dimethylphthalate-d6	13.646	166	271536	24.540	ng/u1	-0.01
49) Acenaphthylene-d8	13.910	160	326439	26.544	ng/u1	-0.01
54) 4-Nitrophenol-d4	14.451	143	40533	19.013	ng/u1	-0.01
60) Fluorene-d10	15.228	176	218528	23.475	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.363	200	33403	19.608	ng/u1	0.00
73) Anthracene-d10	17.092	188	337060	24.140	ng/u1	-0.01
81) Pyrene-d10	19.357	212	374290	24.763	ng/u1	0.00
92) Benzo(a)pyrene-d12	23.263	264	355034	23.699	ng/u1	-0.02
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.099	88	2257	1.114	ng/uL#	91
5) Pyridine	3.499	79	20612	4.151	ng/u1#	65
6) Benzaldehyde	6.711	77	13762	5.412	ng/u1	96
8) Phenol	6.764	94	21728	3.816	ng/u1	95
10) Bis(2-Chloroethyl)ether	6.993	93	17961	4.044	ng/u1	99
12) 2-Chlorophenol	7.117	128	18069	4.121	ng/u1	100
13) 2-Methylphenol	8.011	108	15440	3.681	ng/u1	89
14) 2,2'-oxybis(1-Chloropr...	8.093	45	27951m	4.248	ng/u1	
16) Acetophenone	8.381	105	28382	3.847	ng/u1	94
17) N-Nitroso-di-n-propyla...	8.369	70	14488	3.948	ng/u1	98
18) 4-Methylphenol	8.334	108	17504	3.769	ng/u1	95
19) Hexachloroethane	8.611	117	8833	4.441	ng/u1	97
22) Nitrobenzene	8.758	77	23356	4.374	ng/u1	97
23) Isophorone	9.281	82	36331	3.876	ng/u1	97
25) 2-Nitrophenol	9.463	139	9551	4.342	ng/u1	94
26) 2,4-Dimethylphenol	9.534	107	21370	4.092	ng/u1	93
27) Bis(2-Chloroethoxy)met...	9.775	93	22823	4.029	ng/u1	96
29) 2,4-Dichlorophenol	9.993	162	15707	4.313	ng/u1	95
30) Naphthalene	10.387	128	59191	4.261	ng/u1	99
32) 4-Chloroaniline	10.516	127	23875	3.890	ng/u1	92
33) Hexachlorobutadiene	10.663	225	11012	4.750	ng/u1	92
34) Caprolactam	11.328	113	4873m	3.690	ng/u1	
35) 4-Chloro-3-methylphenol	11.657	107	17068	3.707	ng/u1	91
36) 2-Methylnaphthalene	12.016	142	37265	4.123	ng/u1	100

08/24/2022
 Supervised By :Sohil
 Odhani

08/24/2022

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.234	142	39087	4.264	ng/ul	98
39) 1,2,4,5-Tetrachloroben...	12.387	216	17088	4.303	ng/ul	96
40) Hexachlorocyclopentadiene	12.357	237	11840	4.806	ng/ul#	95
41) 2,4,6-Trichlorophenol	12.640	196	10422	4.078	ng/ul	96
42) 2,4,5-Trichlorophenol	12.716	196	10814	3.801	ng/ul	98
43) 1,1'-Biphenyl	13.046	154	50520	4.334	ng/ul	98
44) 2-Chloronaphthalene	13.087	162	37173	4.232	ng/ul	96
45) 2-Nitroaniline	13.316	65	9515m	3.174	ng/ul	08/24/2022
47) Dimethylphthalate	13.693	163	49910	4.364	ng/ul#	98
48) 2,6-Dinitrotoluene	13.816	165	7169	3.487	ng/ul	95
50) Acenaphthylene	13.940	152	64070	4.385	ng/ul	98
51) 3-Nitroaniline	14.151	138	7093	3.167	ng/ul	98
52) Acenaphthene	14.287	153	42495	4.343	ng/ul	99
53) 2,4-Dinitrophenol	14.363	184	5953	4.730	ng/ul	96
55) 4-Nitrophenol	14.469	109	11036	4.345	ng/ul	98
56) Dibenzofuran	14.628	168	57691	4.275	ng/ul	95
57) 2,4-Dinitrotoluene	14.616	165	11228	3.648	ng/ul#	80
58) 2,3,4,6-Tetrachlorophenol	14.857	232	9052	4.053	ng/ul#	91
59) Diethylphthalate	15.075	149	52403	4.184	ng/ul	99
61) Fluorene	15.281	166	47683	4.319	ng/ul	97
62) 4-Chlorophenyl-phenyle...	15.287	204	22157	4.443	ng/ul	98
63) 4-Nitroaniline	15.322	138	8345m	3.858	ng/ul	
66) 4,6-Dinitro-2-methylph...	15.381	198	7969	4.522	ng/ul#	83
67) N-Nitrosodiphenylamine	15.504	169	39668	4.289	ng/ul	95
68) 4-Bromophenyl-phenylether	16.187	248	12653	4.496	ng/ul	95
69) Hexachlorobenzene	16.287	284	14622	4.508	ng/ul	95
70) Atrazine	16.475	200	15352	4.447	ng/ul	97
71) Pentachlorophenol	16.645	266	9250	4.599	ng/ul	96
72) Phenanthrene	17.040	178	74086	4.342	ng/ul	98
74) Anthracene	17.128	178	74330	4.318	ng/ul	100
75) 1,2,3,4-Tetrachloroben...	13.004	216	18314	4.519	ng/uL	96
76) Pentachlorobenzene	14.540	250	19871	5.167	ng/uL	99
77) Carbazole	17.416	167	63247	3.906	ng/ul	99
78) Di-n-butylphthalate	17.987	149	78517	3.937	ng/ul	99
80) Fluoranthene	19.034	202	78018	4.197	ng/ul#	95
82) Pyrene	19.386	202	86572	4.433	ng/ul	96
83) Butylbenzylphthalate	20.286	149	33297	3.800	ng/ul	92
84) 3,3'-Dichlorobenzidine	21.057	252	20389	3.605	ng/ul	97
85) Benzo(a)anthracene	21.110	228	76892	4.225	ng/ul	99
86) Bis(2-ethylhexyl)phtha...	21.051	149	48969	3.777	ng/ul	97
87) Chrysene	21.157	228	80098	4.480	ng/ul	97
89) Di-n-octyl phthalate	21.945	149	83999	3.393	ng/ul	100
90) Benzo(b)fluoranthene	22.716	252	79840	4.168	ng/ul	99
91) Benzo(k)fluoranthene	22.763	252	78458m	4.292	ng/ul	
93) Benzo(a)pyrene	23.310	252	77966	4.168	ng/ul	97
94) Indeno(1,2,3-cd)pyrene	25.763	276	88771	4.255	ng/ul	99
95) Dibenzo(a,h)anthracene	25.786	278	75392	4.197	ng/ul#	95
96) Benzo(g,h,i)perylene	26.492	276	74855	4.218	ng/ul	97

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

Manual Integrations

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