

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN090722\
 Data File : BN021624.D
 Acq On : 07 Sep 2022 13:04
 Operator : CG/JU
 Sample : N3670-04
 Misc : SFAM-MDL-SOIL02-4NG
 ALS Vial : 6 Sample Multiplier: 1

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

Quant Time: Sep 07 13:32:27 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-BN081922.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Sep 07 01:01:49 2022
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 09/07/2022
 Supervised By :mohammad ahmed 09/08/2022

Supervised By :mohammad
 ahmed
 09/08/2022

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.063	152	216403	20.000	ng/u1	0.00
20) Naphthalene-d8	10.893	136	1000188	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.722	164	640359	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.469	188	1331544	20.000	ng/u1	0.00
79) Chrysene-d12	21.663	240	1151541	20.000	ng/u1	0.00
88) Perylene-d12	24.180	264	1075758	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.364	96	20317	3.525	ng/uL	0.00
4) Pyridine-d5	3.793	84	269358	17.147	ng/u1	0.00
7) Phenol-d5	7.211	99	346271	17.643	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.381	67	223871	18.844	ng/u1	0.00
11) 2-Chlorophenol-d4	7.587	132	274426	19.218	ng/u1	0.00
15) 4-Methylphenol-d8	8.775	113	284578	18.479	ng/u1	0.00
21) Nitrobenzene-d5	9.240	128	142209	20.869	ng/u1	0.00
24) 2-Nitrophenol-d4	9.969	143	143673	23.605	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.505	165	267505	19.845	ng/u1	0.00
31) 4-Chloroaniline-d4	11.034	131	419061	18.305	ng/u1	0.00
46) Dimethylphthalate-d6	14.122	166	874358	19.977	ng/u1	0.00
49) Acenaphthylene-d8	14.416	160	1082049	21.206	ng/u1	0.00
54) 4-Nitrophenol-d4	14.910	143	156812	18.004	ng/u1	0.00
60) Fluorene-d10	15.710	176	751880	19.743	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.822	200	116695	21.911	ng/u1	0.00
73) Anthracene-d10	17.569	188	1066276	18.171	ng/u1	0.00
81) Pyrene-d10	19.863	212	1304828	23.827	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.016	264	1006124	19.732	ng/u1	0.00
Target Compounds						
2) 1,4-Dioxane	3.405	88	6321	1.065	ng/uL	92
5) Pyridine	3.817	79	63600	4.024	ng/u1	89
6) Benzaldehyde	7.193	77	44563	5.226	ng/u1	97
8) Phenol	7.240	94	77055	3.799	ng/u1	94
10) Bis(2-Chloroethyl)ether	7.475	93	64902	4.013	ng/u1	97
12) 2-Chlorophenol	7.616	128	60831	3.971	ng/u1	97
13) 2-Methylphenol	8.511	108	54311	3.524	ng/u1	98
14) 2,2'-oxybis(1-Chloropr...	8.599	45	85222	4.178	ng/u1	96
16) Acetophenone	8.893	105	99157	4.071	ng/u1	97
17) N-Nitroso-di-n-propyla...	8.875	70	49037	4.043	ng/u1	94
18) 4-Methylphenol	8.840	108	64576	3.815	ng/u1	99
19) Hexachloroethane	9.158	117	24015	3.933	ng/u1	89
22) Nitrobenzene	9.281	77	72738	4.332	ng/u1	95
23) Isophorone	9.805	82	131337	3.798	ng/u1	100
25) 2-Nitrophenol	9.999	139	34142	4.789	ng/u1	89
26) 2,4-Dimethylphenol	10.057	107	68734	3.893	ng/u1	93
27) Bis(2-Chloroethoxy)met...	10.293	93	90077	4.160	ng/u1	96
29) 2,4-Dichlorophenol	10.534	162	59068	4.182	ng/u1	96
30) Naphthalene	10.946	128	213193	4.094	ng/u1	98
32) 4-Chloroaniline	11.057	127	92382	3.894	ng/u1	99
33) Hexachlorobutadiene	11.228	225	32979	4.053	ng/u1	97
34) Caprolactam	11.834	113	22533	4.171	ng/u1	85
35) 4-Chloro-3-methylphenol	12.175	107	62523	3.928	ng/u1	96
36) 2-Methylnaphthalene	12.551	142	143468	4.072	ng/u1	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
37) 1-Methylnaphthalene	12.769	142	153099	4.324	ng/ul	97	09/07/2022
39) 1,2,4,5-Tetrachloroben...	12.916	216	69178	4.213	ng/ul	93	Supervised By :mohammad ahmed
40) Hexachlorocyclopentadiene	12.893	237	35113	3.592	ng/ul#	94	
41) 2,4,6-Trichlorophenol	13.151	196	40572	3.982	ng/ul	98	
42) 2,4,5-Trichlorophenol	13.222	196	44174	3.952	ng/ul	97	
43) 1,1'-Biphenyl	13.551	154	199848	4.271	ng/ul	98	
44) 2-Chloronaphthalene	13.598	162	150771	4.208	ng/ul	99	09/08/2022
45) 2-Nitroaniline	13.804	65	34975	3.892	ng/ul	94	
47) Dimethylphthalate	14.169	163	191975	4.288	ng/ul	98	
48) 2,6-Dinitrotoluene	14.293	165	28416	3.700	ng/ul#	92	
50) Acenaphthylene	14.440	152	248796	4.224	ng/ul	99	
51) 3-Nitroaniline	14.622	138	32278	3.772	ng/ul	88	
52) Acenaphthene	14.781	153	158954	4.176	ng/ul	95	
53) 2,4-Dinitrophenol	14.828	184	14446	3.842	ng/ul	92	
55) 4-Nitrophenol	14.922	109	27136	3.887	ng/ul	90	
56) Dibenzofuran	15.116	168	230655	4.218	ng/ul	98	
57) 2,4-Dinitrotoluene	15.075	165	45050	4.039	ng/ul	99	
58) 2,3,4,6-Tetrachlorophenol	15.340	232	34613	4.034	ng/ul#	84	
59) Diethylphthalate	15.528	149	182396	4.040	ng/ul	100	
61) Fluorene	15.763	166	185538	4.302	ng/ul	95	
62) 4-Chlorophenyl-phenyle...	15.757	204	85524	4.302	ng/ul	98	
63) 4-Nitroaniline	15.787	138	33548	3.907	ng/ul	98	
66) 4,6-Dinitro-2-methylph...	15.840	198	28370	5.028	ng/ul#	87	
67) N-Nitrosodiphenylamine	15.969	169	155312	4.162	ng/ul	95	
68) 4-Bromophenyl-phenylether	16.651	248	48704	4.113	ng/ul	95	
69) Hexachlorobenzene	16.769	284	57131	4.053	ng/ul	92	
70) Atrazine	16.916	200	52574	3.981	ng/ul	96	
71) Pentachlorophenol	17.116	266	30646	3.905	ng/ul	95	
72) Phenanthrene	17.510	178	296108	4.210	ng/ul	98	
74) Anthracene	17.604	178	285672	4.079	ng/ul	98	
75) 1,2,3,4-Tetrachloroben...	13.522	216	71686	4.230	ng/uL	96	
76) Pentachlorobenzene	15.034	250	78749	4.878	ng/uL	89	
77) Carbazole	17.875	167	255657	3.863	ng/ul	98	
78) Di-n-butylphthalate	18.428	149	282757	3.789	ng/ul	99	
80) Fluoranthene	19.522	202	326058	4.936	ng/ul#	94	
82) Pyrene	19.892	202	346906	5.039	ng/ul	95	
83) Butylbenzylphthalate	20.780	149	113251	4.346	ng/ul#	97	
84) 3,3'-Dichlorobenzidine	21.575	252	124648	5.677	ng/ul#	98	
85) Benzo(a)anthracene	21.645	228	305608	4.408	ng/ul	95	
86) Bis(2-ethylhexyl)phtha...	21.557	149	162580	4.075	ng/ul#	96	
87) Chrysene	21.698	228	293083	4.366	ng/ul	99	
89) Di-n-octyl phthalate	22.522	149	252453	4.006	ng/ul	100	
90) Benzo(b)fluoranthene	23.404	252	294637	4.502	ng/ul	99	
91) Benzo(k)fluoranthene	23.451	252	264215m	4.513	ng/ul		
93) Benzo(a)pyrene	24.069	252	270134	4.314	ng/ul#	96	
94) Indeno(1,2,3-cd)pyrene	26.827	276	249461	3.245	ng/ul	95	
95) Dibenzo(a,h)anthracene	26.845	278	208063	3.207	ng/ul	97	
96) Benzo(g,h,i)perylene	27.639	276	201737	3.007	ng/ul	96	

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

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