

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN011724\
 Data File : BN029270.D
 Acq On : 17 Jan 2024 13:59
 Operator : MA/JU
 Sample : 03573-06
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 MDL-MED-SOIL-QT3-2023-06

Quant Time: Jan 18 01:01:47 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-BN011524.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Jan 16 03:57:40 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 01/18/2024
 Supervised By :Sohil Jodhani 01/18/2024

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.940	152	141610	20.000	ng/u1	0.00
20) Naphthalene-d8	10.746	136	630476	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.581	164	438188	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.333	188	990692	20.000	ng/u1	0.00
79) Chrysene-d12	21.527	240	945992	20.000	ng/u1	0.00
88) Perylene-d12	23.945	264	1104281	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.369	96	17192	5.014	ng/uL	0.00
4) Pyridine-d5	3.781	84	238569	22.557	ng/u1	0.00
7) Phenol-d5	7.099	99	274958	20.237	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.281	67	184763	21.560	ng/u1	0.00
11) 2-Chlorophenol-d4	7.469	132	209302	21.777	ng/u1	0.00
15) 4-Methylphenol-d8	8.652	113	223062	20.362	ng/u1	0.00
21) Nitrobenzene-d5	9.110	128	108601	23.743	ng/u1	0.00
24) 2-Nitrophenol-d4	9.828	143	89343	23.553	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.363	165	200330	21.217	ng/u1	0.00
31) 4-Chloroaniline-d4	10.887	131	339646	19.876	ng/u1	0.00
46) Dimethylphthalate-d6	13.998	166	765781	21.231	ng/u1	0.00
49) Acenaphthylene-d8	14.275	160	863375	21.254	ng/u1	0.00
54) 4-Nitrophenol-d4	14.775	143	117128	18.658	ng/u1	0.00
60) Fluorene-d10	15.575	176	664935	21.631	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.692	200	66239	15.899	ng/u1	0.00
73) Anthracene-d10	17.433	188	1025780	20.597	ng/u1	0.00
81) Pyrene-d10	19.727	212	1220599	23.220	ng/u1	0.00
92) Benzo(a)pyrene-d12	23.786	264	1235255	21.704	ng/u1	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.411	88	3897m	1.120	ng/uL	
5) Pyridine	3.805	79	45727	4.232	ng/u1#	72
6) Benzaldehyde	7.087	77	37407m	6.135	ng/u1	
8) Phenol	7.128	94	55055	3.987	ng/u1	98
10) Bis(2-Chloroethyl)ether	7.375	93	47001	4.193	ng/u1	98
12) 2-Chlorophenol	7.499	128	43560	4.354	ng/u1	97
13) 2-Methylphenol	8.387	108	38772	3.686	ng/u1	99
14) 2,2'-oxybis(1-Chloropr...	8.469	45	62687	4.374	ng/u1	98
16) Acetophenone	8.769	105	75905	4.089	ng/u1	99
17) N-Nitroso-di-n-propyla...	8.757	70	40298	4.125	ng/u1	94
18) 4-Methylphenol	8.710	108	44929	3.969	ng/u1	99
19) Hexachloroethane	9.016	117	19789	4.357	ng/u1	98
22) Nitrobenzene	9.152	77	59011	4.667	ng/u1	99
23) Isophorone	9.675	82	109739	4.083	ng/u1	98
25) 2-Nitrophenol	9.857	139	19989	4.501	ng/u1	98
26) 2,4-Dimethylphenol	9.916	107	49770	4.191	ng/u1	98
27) Bis(2-Chloroethoxy)met...	10.169	93	66205	4.376	ng/u1	94
29) 2,4-Dichlorophenol	10.387	162	40141	4.323	ng/u1	96
30) Naphthalene	10.793	128	158787	4.417	ng/u1	97
32) 4-Chloroaniline	10.910	127	68610	4.127	ng/u1	99
33) Hexachlorobutadiene	11.069	225	28082	4.285	ng/u1	94
34) Caprolactam	11.698	113	15621m	4.151	ng/u1	
35) 4-Chloro-3-methylphenol	12.028	107	44714	4.059	ng/u1	98
36) 2-Methylnaphthalene	12.404	142	110715	4.404	ng/u1	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.622	142	111993	4.490	ng/ul	95
39) 1,2,4,5-Tetrachloroben...	12.763	216	57438	4.206	ng/ul#	98
40) Hexachlorocyclopentadiene	12.740	237	36437	3.985	ng/ul#	96
41) 2,4,6-Trichlorophenol	13.010	196	27200	3.594	ng/ul	97
42) 2,4,5-Trichlorophenol	13.075	196	33340	3.924	ng/ul	96
43) 1,1'-Biphenyl	13.416	154	149010	4.220	ng/ul	100
44) 2-Chloronaphthalene	13.457	162	114664	4.157	ng/ul	98
45) 2-Nitroaniline	13.663	65	29314	4.009	ng/ul	92
47) Dimethylphthalate	14.045	163	154529	4.207	ng/ul	98
48) 2,6-Dinitrotoluene	14.169	165	22182	3.735	ng/ul	96
50) Acenaphthylene	14.304	152	195784	4.154	ng/ul	100
51) 3-Nitroaniline	14.492	138	23880	3.702	ng/ul	97
52) Acenaphthene	14.645	153	128367	4.150	ng/ul	97
53) 2,4-Dinitrophenol	14.698	184	11720	4.618	ng/ul	98
55) 4-Nitrophenol	14.792	109	26588	4.623	ng/ul	98
56) Dibenzofuran	14.981	168	179657	4.294	ng/ul	100
57) 2,4-Dinitrotoluene	14.951	165	34034	3.913	ng/ul	95
58) 2,3,4,6-Tetrachlorophenol	15.198	232	23960	3.418	ng/ul	98
59) Diethylphthalate	15.416	149	157076	4.100	ng/ul	99
61) Fluorene	15.628	166	151293	4.175	ng/ul	98
62) 4-Chlorophenyl-phenyle...	15.634	204	74912	4.231	ng/ul	99
63) 4-Nitroaniline	15.651	138	27439m	4.320	ng/ul	
66) 4,6-Dinitro-2-methylph...	15.704	198	18188	3.791	ng/ul#	81
67) N-Nitrosodiphenylamine	15.845	169	123974	4.127	ng/ul	99
68) 4-Bromophenyl-phenylether	16.528	248	32815	2.963	ng/ul	97
69) Hexachlorobenzene	16.622	284	53572	4.020	ng/ul#	90
70) Atrazine	16.804	200	49693	4.357	ng/ul	99
71) Pentachlorophenol	16.975	266	26927	3.739	ng/ul	91
72) Phenanthrene	17.375	178	242094	4.212	ng/ul	99
74) Anthracene	17.463	178	240153	4.024	ng/ul	99
75) 1,2,3,4-Tetrachloroben...	13.375	216	55541	4.146	ng/uL	96
76) Pentachlorobenzene	14.887	250	63053	4.548	ng/uL	94
77) Carbazole	17.739	167	210734	3.818	ng/ul	99
78) Di-n-butylphthalate	18.322	149	247147	3.672	ng/ul	99
80) Fluoranthene	19.392	202	269328	4.336	ng/ul	99
82) Pyrene	19.757	202	302182	4.581	ng/ul	97
83) Butylbenzylphthalate	20.680	149	92520	3.587	ng/ul	97
84) 3,3'-Dichlorobenzidine	21.457	252	81607	3.718	ng/ul	99
85) Benzo(a)anthracene	21.516	228	298990	4.289	ng/ul	98
86) Bis(2-ethylhexyl)phtha...	21.469	149	153848	3.612	ng/ul	100
87) Chrysene	21.569	228	275561	4.274	ng/ul	100
89) Di-n-octyl phthalate	22.416	149	231802	2.978	ng/ul	100
90) Benzo(b)fluoranthene	23.210	252	285290	4.074	ng/ul	98
91) Benzo(k)fluoranthene	23.257	252	283260	4.059	ng/ul	98
93) Benzo(a)pyrene	23.839	252	269335	4.056	ng/ul	98
94) Indeno(1,2,3-cd)pyrene	26.439	276	327391	3.896	ng/ul	98
95) Dibenzo(a,h)anthracene	26.468	278	268061	3.825	ng/ul	98
96) Benzo(g,h,i)perylene	27.209	276	250578	3.734	ng/ul	98

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

