

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP101623\
 Data File : BP017689.D
 Acq On : 16 Oct 2023 19:04
 Operator : MA/JU
 Sample : 03573-03
 Misc : SFAM-MDL-SOIL-01
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 MDL-SOIL-QT3-2023-05

Quant Time: Oct 17 01:00:24 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP101223.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Oct 12 16:14:36 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Yogesh
 Patel

10/17/2023
 Supervised By :mohammad
 ahmed

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.905	152	112862	20.000	ng/u1	0.00
20) Naphthalene-d8	10.740	136	451328	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.604	164	298903	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.398	188	718154	20.000	ng/u1	0.00
79) Chrysene-d12	21.539	240	832468	20.000	ng/u1	0.00
88) Perylene-d12	24.110	264	978966	20.000	ng/u1	0.00

System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.264	96	15675	5.121	ng/uL	0.00
4) Pyridine-d5	3.699	84	196008	23.163	ng/u1	0.00
7) Phenol-d5	7.058	99	226617	21.567	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.246	67	143473	22.516	ng/u1	0.00
11) 2-Chlorophenol-d4	7.422	132	183295	22.536	ng/u1	0.00
15) 4-Methylphenol-d8	8.622	113	175172	20.872	ng/u1	0.00
21) Nitrobenzene-d5	9.110	128	87999	23.213	ng/u1	0.00
24) 2-Nitrophenol-d4	9.828	143	92576	21.715	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.357	165	172246	21.497	ng/u1	0.00
31) 4-Chloroaniline-d4	10.910	131	249603	21.734	ng/u1	0.00
46) Dimethylphthalate-d6	14.022	166	586315	22.649	ng/u1	0.00
49) Acenaphthylene-d8	14.298	160	629792	22.592	ng/u1	0.00
54) 4-Nitrophenol-d4	14.857	143	91513m	21.137	ng/u1	0.00
60) Fluorene-d10	15.610	176	534988	24.295	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.757	200	81927	16.140	ng/u1	0.00
73) Anthracene-d10	17.498	188	865289	23.340	ng/u1	0.00
81) Pyrene-d10	19.757	212	1120729	22.368	ng/u1	0.00
92) Benzo(a)pyrene-d12	23.939	264	1315939	23.944	ng/u1	0.00

Target Compounds				Qvalue		
2) 1,4-Dioxane	3.305	88	3389	1.044	ng/uL	90
5) Pyridine	3.723	79	31442	3.618	ng/u1#	59
6) Benzaldehyde	7.069	77	27723	5.209	ng/u1	85
8) Phenol	7.081	94	36014	3.453	ng/u1	92
10) Bis(2-Chloroethyl)ether	7.346	93	30733	3.673	ng/u1	98
12) 2-Chlorophenol	7.458	128	29143	3.586	ng/u1	97
13) 2-Methylphenol	8.358	108	22458	2.893	ng/u1	99
14) 2,2'-oxybis(1-Chloropr...	8.422	45	37734	3.495	ng/u1#	95
16) Acetophenone	8.763	105	45023	3.448	ng/u1	96
17) N-Nitroso-di-n-propyla...	8.728	70	21984	3.326	ng/u1#	97
18) 4-Methylphenol	8.693	108	28208	3.343	ng/u1	92
19) Hexachloroethane	8.963	117	13665	3.764	ng/u1	97
22) Nitrobenzene	9.158	77	37719	3.874	ng/u1	95
23) Isophorone	9.669	82	57790	3.292	ng/u1	100
25) 2-Nitrophenol	9.863	139	15583	3.436	ng/u1	93
26) 2,4-Dimethylphenol	9.905	107	30195	3.351	ng/u1	96
27) Bis(2-Chloroethoxy)met...	10.163	93	39838	3.713	ng/u1	97
29) 2,4-Dichlorophenol	10.387	162	27548	3.563	ng/u1	95
30) Naphthalene	10.787	128	100366	3.825	ng/u1	99
32) 4-Chloroaniline	10.934	127	38627	3.517	ng/u1	96
33) Hexachlorobutadiene	11.010	225	23295	3.897	ng/u1	96
34) Caprolactam	11.757	113	12542	5.304	ng/u1	94
35) 4-Chloro-3-methylphenol	12.063	107	23989	2.941	ng/u1	98
36) 2-Methylnaphthalene	12.410	142	65146	3.626	ng/u1	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.628	142	68769	3.771	ng/ul	97
39) 1,2,4,5-Tetrachloroben...	12.763	216	39579	3.630	ng/ul	94
40) Hexachlorocyclopentadiene	12.704	237	15384	3.140	ng/ul#	93
41) 2,4,6-Trichlorophenol	13.028	196	19703	2.934	ng/ul	94
42) 2,4,5-Trichlorophenol	13.110	196	22709m	3.203	ng/ul	
43) 1,1'-Biphenyl	13.428	154	90959	3.713	ng/ul	98
44) 2-Chloronaphthalene	13.481	162	70797	3.612	ng/ul	97
45) 2-Nitroaniline	13.728	65	15082m	2.784	ng/ul	
47) Dimethylphthalate	14.069	163	92910	3.634	ng/ul	99
48) 2,6-Dinitrotoluene	14.222	165	13139	2.777	ng/ul#	93
50) Acenaphthylene	14.328	152	116719	3.701	ng/ul	99
51) 3-Nitroaniline	14.575	138	12995m	2.723	ng/ul	
52) Acenaphthene	14.669	153	80597	3.842	ng/ul	97
53) 2,4-Dinitrophenol	14.787	184	13724	4.697	ng/ul	97
55) 4-Nitrophenol	14.875	109	16231m	4.001	ng/ul	
56) Dibenzofuran	15.010	168	115029	3.823	ng/ul	98
57) 2,4-Dinitrotoluene	15.016	165	22540	3.086	ng/ul	95
58) 2,3,4,6-Tetrachlorophenol	15.234	232	20332	3.100	ng/ul#	96
59) Diethylphthalate	15.434	149	88972	3.470	ng/ul	99
61) Fluorene	15.663	166	92859	3.743	ng/ul	99
62) 4-Chlorophenyl-phenyle...	15.657	204	49532	3.755	ng/ul	92
63) 4-Nitroaniline	15.745	138	17102m	3.606	ng/ul	
66) 4,6-Dinitro-2-methylph...	15.769	198	15224	2.864	ng/ul#	87
67) N-Nitrosodiphenylamine	15.887	169	77095	3.593	ng/ul	98
68) 4-Bromophenyl-phenylether	16.569	248	29264	3.379	ng/ul	90
69) Hexachlorobenzene	16.645	284	39547	3.837	ng/ul	96
70) Atrazine	16.851	200	25394	3.058	ng/ul	93
71) Pentachlorophenol	17.028	266	21123	3.384	ng/ul	91
72) Phenanthrene	17.439	178	157465	3.727	ng/ul	97
74) Anthracene	17.534	178	157259	3.680	ng/ul	98
75) 1,2,3,4-Tetrachloroben...	13.381	216	39124	3.453	ng/uL	98
76) Pentachlorobenzene	14.898	250	44954	3.866	ng/uL	98
77) Carbazole	17.828	167	128106	3.310	ng/ul	99
78) Di-n-butylphthalate	18.339	149	134105	2.814	ng/ul	99
80) Fluoranthene	19.428	202	186354	3.255	ng/ul	98
82) Pyrene	19.786	202	215885	3.609	ng/ul	99
83) Butylbenzylphthalate	20.657	149	56397	2.423	ng/ul	99
84) 3,3'-Dichlorobenzidine	21.469	252	77661	3.642	ng/ul	92
85) Benzo(a)anthracene	21.522	228	226632	3.550	ng/ul	99
86) Bis(2-ethylhexyl)phtha...	21.398	149	76806	2.183	ng/ul	96
87) Chrysene	21.580	228	218679	3.712	ng/ul	99
89) Di-n-octyl phthalate	22.386	149	143072	2.238	ng/ul	100
90) Benzo(b)fluoranthene	23.310	252	239159	3.587	ng/ul	99
91) Benzo(k)fluoranthene	23.363	252	233740	3.524	ng/ul	99
93) Benzo(a)pyrene	23.992	252	220756	3.556	ng/ul	99
94) Indeno(1,2,3-cd)pyrene	26.839	276	276747	3.635	ng/ul	98
95) Dibenzo(a,h)anthracene	26.868	278	230297	3.609	ng/ul	98
96) Benzo(g,h,i)perylene	27.698	276	224049	3.701	ng/ul	99

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

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