

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG052324\
 Data File : BG061269.D
 Acq On : 23 May 2024 12:32
 Operator : MA/JU
 Sample : P2409-04
 Misc : SFAM-MDL-SOIL-02
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 MDL-SOIL-QT2-2024-04

Quant Time: May 23 14:37:56 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG052124.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue May 21 15:23:39 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Yogesh
 Patel

05/24/2024
 Supervised By :mohammad
 ahmed

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.887	152	26269	20.000	ng/u1	0.00
20) Naphthalene-d8	10.683	136	121244	20.000	ng/u1	# 0.00
38) Acenaphthene-d10	14.520	164	108963	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.270	188	292995	20.000	ng/u1	0.00
79) Chrysene-d12	21.518	240	294195	20.000	ng/u1	0.00
88) Perylene-d12	24.602	264	305297	20.000	ng/u1	0.00

System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.339	96	2435	5.187	ng/uL	0.00
4) Pyridine-d5	3.739	84	44720	26.779	ng/u1	0.00
7) Phenol-d5	7.064	99	47204	21.882	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.211	67	30990	22.856	ng/u1	0.00
11) 2-Chlorophenol-d4	7.423	132	36209	22.680	ng/u1	0.00
15) 4-Methylphenol-d8	8.598	113	40385	21.955	ng/u1	0.00
21) Nitrobenzene-d5	9.044	128	20598	22.066	ng/u1	0.00
24) 2-Nitrophenol-d4	9.761	143	23538	21.545	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.313	165	45879	21.541	ng/u1	0.00
31) 4-Chloroaniline-d4	10.813	131	61262	21.986	ng/u1	0.00
46) Dimethylphthalate-d6	13.927	166	187283	22.161	ng/u1	0.00
49) Acenaphthylene-d8	14.209	160	198084	22.546	ng/u1	0.00
54) 4-Nitrophenol-d4	14.743	143	24399	23.353	ng/u1	0.00
60) Fluorene-d10	15.513	176	167702	22.985	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.642	200	35916	20.268	ng/u1	0.00
73) Anthracene-d10	17.364	188	265541	20.557	ng/u1	0.00
81) Pyrene-d10	19.655	212	345703	22.886	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.391	264	350350	23.870	ng/u1	0.00

Target Compounds				Qvalue		
2) 1,4-Dioxane	3.368	88	750m	1.331	ng/uL	
5) Pyridine	3.762	79	8865	5.367	ng/u1#	73
6) Benzaldehyde	7.023	77	6358	5.637	ng/u1	85
8) Phenol	7.088	94	10798	4.913	ng/u1#	90
10) Bis(2-Chloroethyl)ether	7.305	93	7993	4.972	ng/u1	96
12) 2-Chlorophenol	7.458	128	8303	4.921	ng/u1	97
13) 2-Methylphenol	8.339	108	7748	4.548	ng/u1	93
14) 2,2'-oxybis(1-Chloropr...	8.410	45	21461	4.943	ng/u1	100
16) Acetophenone	8.703	105	15440	4.918	ng/u1	97
17) N-Nitroso-di-n-propyla...	8.686	70	8606	4.986	ng/u1#	85
18) 4-Methylphenol	8.662	108	9198	4.874	ng/u1	89
19) Hexachloroethane	8.962	117	3566	4.750	ng/u1#	78
22) Nitrobenzene	9.079	77	12002	4.688	ng/u1	95
23) Isophorone	9.602	82	24460	4.696	ng/u1	97
25) 2-Nitrophenol	9.790	139	5325	4.491	ng/u1	94
26) 2,4-Dimethylphenol	9.861	107	6089	2.591	ng/u1	87
27) Bis(2-Chloroethoxy)met...	10.084	93	12511	4.792	ng/u1#	87
29) 2,4-Dichlorophenol	10.337	162	9364	4.773	ng/u1	93
30) Naphthalene	10.730	128	31233	4.881	ng/u1#	95
32) 4-Chloroaniline	10.842	127	13431	4.850	ng/u1	90
33) Hexachlorobutadiene	11.018	225	8838	4.609	ng/u1	97
34) Caprolactam	11.618	113	4258	5.673	ng/u1	88
35) 4-Chloro-3-methylphenol	11.982	107	12193	4.808	ng/u1#	90
36) 2-Methylnaphthalene	12.340	142	22222	4.788	ng/u1	92

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.564	142	23660	4.968	ng/ul	94
39) 1,2,4,5-Tetrachloroben...	12.710	216	17643	4.904	ng/ul#	95
40) Hexachlorocyclopentadiene	12.687	237	6622	4.078	ng/ul#	84
41) 2,4,6-Trichlorophenol	12.957	196	9042	4.462	ng/ul	95
42) 2,4,5-Trichlorophenol	13.039	196	8761	4.106	ng/ul#	86
43) 1,1'-Biphenyl	13.351	154	34985	4.965	ng/ul	95
44) 2-Chloronaphthalene	13.392	162	27519	4.963	ng/ul	98
45) 2-Nitroaniline	13.598	65	10421	4.554	ng/ul#	90
47) Dimethylphthalate	13.974	163	42256	4.797	ng/ul	96
48) 2,6-Dinitrotoluene	14.097	165	7810	4.521	ng/ul#	85
50) Acenaphthylene	14.238	152	47762	4.902	ng/ul	99
51) 3-Nitroaniline	14.420	138	7808	5.209	ng/ul#	85
52) Acenaphthene	14.585	153	30942	4.841	ng/ul	94
53) 2,4-Dinitrophenol	14.655	184	3948	4.310	ng/ul#	88
55) 4-Nitrophenol	14.761	109	5812	4.731	ng/ul	96
56) Dibenzofuran	14.920	168	44596	4.880	ng/ul	100
57) 2,4-Dinitrotoluene	14.890	165	12904	4.910	ng/ul	98
58) 2,3,4,6-Tetrachlorophenol	15.161	232	7696m	3.954	ng/ul	
59) Diethylphthalate	15.337	149	43103	4.955	ng/ul	97
61) Fluorene	15.566	166	39979	5.057	ng/ul	98
62) 4-Chlorophenyl-phenyle...	15.560	204	22781	4.913	ng/ul	98
63) 4-Nitroaniline	15.589	138	7373	4.722	ng/ul	88
66) 4,6-Dinitro-2-methylph...	15.660	198	8542	4.600	ng/ul#	97
67) N-Nitrosodiphenylamine	15.777	169	34441	4.677	ng/ul	94
68) 4-Bromophenyl-phenylether	16.453	248	16469	4.744	ng/ul	96
69) Hexachlorobenzene	16.577	284	19058	4.939	ng/ul	97
70) Atrazine	16.723	200	16424	5.636	ng/ul	92
71) Pentachlorophenol	16.935	266	6581m	4.900	ng/ul	
72) Phenanthrene	17.311	178	69309	4.874	ng/ul	98
74) Anthracene	17.399	178	65632	4.464	ng/ul	99
75) 1,2,3,4-Tetrachloroben...	13.316	216	17664	4.561	ng/ul	91
76) Pentachlorobenzene	14.843	250	20671	4.827	ng/ul	96
77) Carbazole	17.669	167	59255	4.955	ng/ul	99
78) Di-n-butylphthalate	18.233	149	71890	4.797	ng/ul	98
80) Fluoranthene	19.326	202	91469	5.048	ng/ul	99
82) Pyrene	19.685	202	95623	5.084	ng/ul	100
83) Butylbenzylphthalate	20.578	149	31242	4.835	ng/ul	95
84) 3,3'-Dichlorobenzidine	21.418	252	27528	4.408	ng/ul#	97
85) Benzo(a)anthracene	21.500	228	98600	4.857	ng/ul	98
86) Bis(2-ethylhexyl)phtha...	21.412	149	45773	4.786	ng/ul	97
87) Chrysene	21.559	228	91073	4.872	ng/ul	99
89) Di-n-octyl phthalate	22.575	149	81344	5.326	ng/ul	100
90) Benzo(b)fluoranthene	23.627	252	97598	5.369	ng/ul	98
91) Benzo(k)fluoranthene	23.686	252	93788	5.083	ng/ul	99
93) Benzo(a)pyrene	24.456	252	88422	5.123	ng/ul	97
94) Indeno(1,2,3-cd)pyrene	28.098	276	109025	5.223	ng/ul#	95
95) Dibenzo(a,h)anthracene	28.151	278	90252	5.244	ng/ul	94
96) Benzo(g,h,i)perylene	29.179	276	86016	5.180	ng/ul	98

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

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