

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG052224\
 Data File : BG061260.D
 Acq On : 22 May 2024 14:38
 Operator : MA/JU
 Sample : P2409-03
 Misc : SFAM-MDL-SOIL-01
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 MDL-SOIL-QT2-2024-03

Manual Integrations
 APPROVED

Reviewed By :Yogesh
 Patel

Quant Time: May 22 23:49:33 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

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.884	152	24290	20.000	ng/u1	0.00
20) Naphthalene-d8	10.681	136	109499	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.523	164	95023	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.267	188	251909	20.000	ng/u1	# 0.00
79) Chrysene-d12	21.521	240	267612	20.000	ng/u1	0.00
88) Perylene-d12	24.606	264	286951	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.337	96	2600	5.990	ng/uL	0.00
4) Pyridine-d5	3.748	84	40977	26.537	ng/u1	0.00
7) Phenol-d5	7.068	99	44331	22.224	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.214	67	28867	23.024	ng/u1	0.00
11) 2-Chlorophenol-d4	7.426	132	33461	22.666	ng/u1	0.00
15) 4-Methylphenol-d8	8.601	113	37827	22.240	ng/u1	0.00
21) Nitrobenzene-d5	9.042	128	18969	22.500	ng/u1	0.00
24) 2-Nitrophenol-d4	9.764	143	22146	22.445	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.311	165	41070	21.351	ng/u1	0.00
31) 4-Chloroaniline-d4	10.816	131	56268	22.359	ng/u1	0.00
46) Dimethylphthalate-d6	13.924	166	166929	22.650	ng/u1	0.00
49) Acenaphthylene-d8	14.212	160	173550	22.651	ng/u1	0.00
54) 4-Nitrophenol-d4	14.747	143	20969	23.014	ng/u1	0.00
60) Fluorene-d10	15.516	176	147179	23.131	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.646	200	31832	20.893	ng/u1	0.00
73) Anthracene-d10	17.367	188	228595	20.583	ng/u1	0.00
81) Pyrene-d10	19.659	212	311403	22.663	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.394	264	326758	23.686	ng/u1	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.378	88	592m	1.136	ng/uL	
5) Pyridine	3.765	79	8754	5.732	ng/u1#	71
6) Benzaldehyde	7.026	77	6284	6.025	ng/u1	93
8) Phenol	7.091	94	9539	4.693	ng/u1#	89
10) Bis(2-Chloroethyl)ether	7.308	93	7649	5.145	ng/u1	92
12) 2-Chlorophenol	7.461	128	7443	4.771	ng/u1	99
13) 2-Methylphenol	8.337	108	7053	4.478	ng/u1	95
14) 2,2'-oxybis(1-Chloropr...	8.413	45	20470	5.099	ng/u1#	97
16) Acetophenone	8.707	105	14256	4.911	ng/u1	95
17) N-Nitroso-di-n-propyla...	8.689	70	7518	4.710	ng/u1#	98
18) 4-Methylphenol	8.672	108	8330	4.773	ng/u1	91
19) Hexachloroethane	8.959	117	3428	4.938	ng/u1	91
22) Nitrobenzene	9.089	77	11054	4.780	ng/u1	92
23) Isophorone	9.606	82	22706	4.827	ng/u1	95
25) 2-Nitrophenol	9.794	139	4983	4.653	ng/u1	93
26) 2,4-Dimethylphenol	9.864	107	5966	2.811	ng/u1#	91
27) Bis(2-Chloroethoxy)met...	10.088	93	11182	4.743	ng/u1	96
29) 2,4-Dichlorophenol	10.340	162	8168	4.610	ng/u1	92
30) Naphthalene	10.728	128	28076	4.858	ng/u1	98
32) 4-Chloroaniline	10.840	127	12169	4.866	ng/u1	94
33) Hexachlorobutadiene	11.022	225	8196	4.733	ng/u1	89
34) Caprolactam	11.609	113	3509	5.177	ng/u1	73
35) 4-Chloro-3-methylphenol	11.979	107	9914	4.329	ng/u1#	93
36) 2-Methylnaphthalene	12.344	142	20958	5.000	ng/u1	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
37) 1-Methylnaphthalene	12.561	142	22156	5.151	ng/ul#	99	05/24/2024
39) 1,2,4,5-Tetrachloroben...	12.714	216	15392	4.906	ng/ul	96	Supervised By :mohammad ahmed
40) Hexachlorocyclopentadiene	12.690	237	6258	4.419	ng/ul	93	
41) 2,4,6-Trichlorophenol	12.961	196	7645	4.326	ng/ul	96	
42) 2,4,5-Trichlorophenol	13.037	196	8751	4.703	ng/ul	97	
43) 1,1'-Biphenyl	13.354	154	29946	4.874	ng/ul	99	
44) 2-Chloronaphthalene	13.395	162	22894	4.735	ng/ul	92	05/24/2024
45) 2-Nitroaniline	13.595	65	9951	4.986	ng/ul#	87	
47) Dimethylphthalate	13.971	163	36992	4.816	ng/ul	100	
48) 2,6-Dinitrotoluene	14.100	165	7205	4.783	ng/ul	89	
50) Acenaphthylene	14.241	152	42075	4.952	ng/ul	95	
51) 3-Nitroaniline	14.424	138	6470	4.949	ng/ul	90	
52) Acenaphthene	14.582	153	27613	4.954	ng/ul	94	
53) 2,4-Dinitrophenol	14.653	184	3743	4.686	ng/ul	96	
55) 4-Nitrophenol	14.759	109	5187	4.842	ng/ul#	83	
56) Dibenzofuran	14.917	168	39560	4.964	ng/ul	98	
57) 2,4-Dinitrotoluene	14.894	165	11096	4.842	ng/ul#	82	
58) 2,3,4,6-Tetrachlorophenol	15.158	232	7577	4.464	ng/ul#	93	
59) Diethylphthalate	15.340	149	39160	5.163	ng/ul	94	
61) Fluorene	15.569	166	34176	4.957	ng/ul	98	
62) 4-Chlorophenyl-phenyle...	15.563	204	20287	5.017	ng/ul	94	
63) 4-Nitroaniline	15.587	138	6515	4.785	ng/ul	89	
66) 4,6-Dinitro-2-methylph...	15.657	198	7385	4.625	ng/ul#	75	
67) N-Nitrosodiphenylamine	15.775	169	29977	4.735	ng/ul	97	
68) 4-Bromophenyl-phenylether	16.457	248	14155	4.742	ng/ul	96	
69) Hexachlorobenzene	16.580	284	16212	4.887	ng/ul	96	
70) Atrazine	16.727	200	15474	6.176	ng/ul	99	
71) Pentachlorophenol	16.932	266	5338	4.623	ng/ul#	77	
72) Phenanthrene	17.308	178	60420	4.942	ng/ul	98	
74) Anthracene	17.402	178	57087	4.516	ng/ul	96	
75) 1,2,3,4-Tetrachloroben...	13.319	216	15520	4.661	ng/uL	90	
76) Pentachlorobenzene	14.841	250	17991	4.887	ng/uL	97	
77) Carbazole	17.673	167	51047	4.964	ng/ul	95	
78) Di-n-butylphthalate	18.231	149	66497	5.161	ng/ul	99	
80) Fluoranthene	19.324	202	79959	4.851	ng/ul#	97	
82) Pyrene	19.688	202	86757	5.070	ng/ul#	98	
83) Butylbenzylphthalate	20.575	149	29306	4.986	ng/ul	94	
84) 3,3'-Dichlorobenzidine	21.415	252	26591	4.681	ng/ul	96	
85) Benzo(a)anthracene	21.498	228	90379	4.895	ng/ul	98	
86) Bis(2-ethylhexyl)phtha...	21.415	149	42707	4.909	ng/ul	97	
87) Chrysene	21.562	228	82649	4.861	ng/ul	98	
89) Di-n-octyl phthalate	22.579	149	73090	5.091	ng/ul	100	
90) Benzo(b)fluoranthene	23.625	252	86223	5.047	ng/ul	100	
91) Benzo(k)fluoranthene	23.689	252	89507m	5.161	ng/ul		
93) Benzo(a)pyrene	24.459	252	79770	4.917	ng/ul#	92	
94) Indeno(1,2,3-cd)pyrene	28.096	276	99584	5.076	ng/ul	98	
95) Dibenzo(a,h)anthracene	28.149	278	81893	5.062	ng/ul#	97	
96) Benzo(g,h,i)perylene	29.183	276	78478	5.028	ng/ul	97	

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

