Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN010821\
Data File : BN013371.D
Acq On : 08 Jan 2021 17:02
Operator : CG/JU
Sample : L4485-16
Misc : MDL-MESOIL-02
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : MDL-ME-SOIL-02

Quant Time: Jan 08 17:36:37 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SFAM-EPA-BN010521.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Jan 08 12:05:50 2021
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.60	152	350930	20.00	ng/ul	0.00
20) Naphthalene-d8	10.36	136	1452565	20.00	ng/ul	0.00
38) Acenaphthene-d10	14.23	164	886728	20.00	ng/ul	0.00
64) Phenanthrene-d10	16.97	188	1807578	20.00	ng/ul	0.00
79) Chrysene-d12	21.17	240	1807124	20.00	ng/ul	0.00
88) Perylene-d12	23.35	264	1826511	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.20	96	43316	4.70	ng/uL	0.00
4) Pyridine-d5	3.59	84	546212	23.77	ng/ul	0.00
7) Phenol-d5	6.78	99	964373	32.72	ng/ul	0.00
9) Bis-(2-Chloroethyl)ether-d	6.95	67	588393	35.85	ng/ul	0.00
11) 2-Chlorophenol-d4	7.13	132	838758	32.67	ng/ul	0.00
15) 4-Methylphenol-d8	8.30	113	818896	34.40	ng/ul	0.00
21) Nitrobenzene-d5	8.74	128	389409	33.66	ng/ul	0.00
24) 2-Nitrophenol-d4	9.45	143	402005	33.70	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	9.99	165	764603	32.45	ng/ul	0.00
31) 4-Chloroaniline-d4	10.50	131	1143653	35.47	ng/ul	0.00
46) Dimethylphthalate-d6	13.65	166	2367555	34.53	ng/ul	0.00
49) Acenaphthylene-d8	13.92	160	3053927	36.09	ng/ul	0.00
54) 4-Nitrophenol-d4	14.43	143	392699	31.35	ng/ul	0.00
60) Fluorene-d10	15.22	176	2038565	34.36	ng/ul	0.00
65) 4,6-Dinitro-2-methylphenol	15.34	200	281371	31.63	ng/ul	0.00
73) Anthracene-d10	17.07	188	3078906	35.07	ng/ul	0.00
81) Pyrene-d10	19.37	212	3333617	34.25	ng/ul	0.00
92) Benzo(a)pyrene-d12	23.22	264	3263971	34.22	ng/ul	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.23	88	6322	0.691	ng/uL	88
5) Pyridine	3.61	79	66908	2.892	ng/ul#	74
6) Benzaldehyde	6.75	77	51416	4.647	ng/ul	95
8) Phenol	6.80	94	82853	2.779	ng/ul	99
10) Bis(2-Chloroethyl)ether	7.03	93	74002	3.133	ng/ul	96
12) 2-Chlorophenol	7.17	128	72856	2.785	ng/ul	99
13) 2-Methylphenol	8.04	108	55386	2.412	ng/ul	96
14) 2,2'-oxybis(1-Chloropropan	8.12	45	99484	3.005	ng/ul	98
16) Acetophenone	8.41	105	95689	2.739	ng/ul	96
17) N-Nitroso-di-n-propylamine	8.40	70	40838	2.356	ng/ul#	94
18) 4-Methylphenol	8.36	108	68513	2.779	ng/ul	93
19) Hexachloroethane	8.66	117	28205	2.748	ng/ul	99
22) Nitrobenzene	8.78	77	74846	2.886	ng/ul	99
23) Isophorone	9.30	82	108403	2.211	ng/ul	99
25) 2-Nitrophenol	9.49	139	37866	2.852	ng/ul	99
26) 2,4-Dimethylphenol	9.55	107	69646	2.597	ng/ul	98
27) Bis(2-Chloroethoxy)methane	9.79	93	87638	2.763	ng/ul	96
29) 2,4-Dichlorophenol	10.01	162	64881	2.797	ng/ul	90
30) Naphthalene	10.41	128	245431	3.011	ng/ul	100
32) 4-Chloroaniline	10.52	127	96906	3.158	ng/ul	93
33) Hexachlorobutadiene	10.70	225	42735	2.947	ng/ul	97
34) Caprolactam	11.31	113	11959	1.672	ng/ul	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
35) 4-Chloro-3-methylphenol	11.65	107	56146	2.260	ng/ul	94
36) 2-Methylnaphthalene	12.03	142	163296	2.914	ng/ul	98
37) 1-Methylnaphthalene	12.25	142	158816	2.940	ng/ul	96
39) 1,2,4,5-Tetrachlorobenzene	12.40	216	80651	3.022	ng/ul	99
40) Hexachlorocyclopentadiene	12.39	237	38538	2.772	ng/ul#	97
41) 2,4,6-Trichlorophenol	12.65	196	35481	2.016	ng/ul	99
42) 2,4,5-Trichlorophenol	12.71	196	41300	2.205	ng/ul	95
43) 1,1'-Biphenyl	13.06	154	216510	3.031	ng/ul	96
44) 2-Chloronaphthalene	13.09	162	168158	2.989	ng/ul	98
45) 2-Nitroaniline	13.30	65	26437	1.844	ng/ul	97
47) Dimethylphthalate	13.69	163	205848	2.925	ng/ul	99
48) 2,6-Dinitrotoluene	13.80	165	26620	1.995	ng/ul#	94
50) Acenaphthylene	13.95	152	253699	2.966	ng/ul	95
51) 3-Nitroaniline	14.13	138	28085	2.281	ng/ul#	92
52) Acenaphthene	14.29	153	179043	2.967	ng/ul	99
53) 2,4-Dinitrophenol	14.33	184	8806	1.472	ng/ul	96
55) 4-Nitrophenol	14.44	109	25911	2.747	ng/ul	90
56) Dibenzofuran	14.63	168	251677	3.047	ng/ul	96
57) 2,4-Dinitrotoluene	14.59	165	42530	2.237	ng/ul	93
58) 2,3,4,6-Tetrachlorophenol	14.86	232	34269	2.167	ng/ul	97
59) Diethylphthalate	15.07	149	175407	2.452	ng/ul	100
61) Fluorene	15.28	166	205163	3.066	ng/ul	99
62) 4-Chlorophenyl-phenylether	15.28	204	99323	3.079	ng/ul	98
63) 4-Nitroaniline	15.29	138	29194	2.525	ng/ul	95
66) 4,6-Dinitro-2-methylphenol	15.35	198	28498	2.879	ng/ul#	67
67) N-Nitrosodiphenylamine	15.49	169	161329	2.833	ng/ul	96
68) 4-Bromophenyl-phenylether	16.17	248	54728	2.751	ng/ul	94
69) Hexachlorobenzene	16.28	284	67443	2.990	ng/ul	98
70) Atrazine	16.45	200	41595	2.138	ng/ul	98
71) Pentachlorophenol	16.62	266	20913	1.663	ng/ul	91
72) Phenanthrene	17.02	178	324800	3.097	ng/ul	99
74) Anthracene	17.10	178	329348	3.077	ng/ul	99
75) 1,2,3,4-Tetrachlorobenzene	13.02	216	80835	3.085	ng/uL	93
76) Pentachlorobenzene	14.55	250	79862	3.055	ng/uL	98
77) Carbazole	17.37	167	245981	2.831	ng/ul	99
78) Di-n-butylphthalate	17.96	149	228498	1.930	ng/ul	100
80) Fluoranthene	19.03	202	338694	2.720	ng/ul	100
82) Pyrene	19.40	202	390761	3.061	ng/ul	98
83) Butylbenzylphthalate	20.33	149	80300	1.463	ng/ul	92
84) 3,3'-Dichlorobenzidine	21.10	252	73208	2.142	ng/ul	98
85) Benzo(a)anthracene	21.16	228	341259	2.861	ng/ul	99
86) Bis(2-ethylhexyl)phthalate	21.12	149	130125	1.601	ng/ul	99
87) Chrysene	21.21	228	348544	2.984	ng/ul	100
89) Di-n-octyl phthalate	21.99	149	207627	1.827	ng/ul	100
90) Benzo(b)fluoranthene	22.70	252	336476	2.889	ng/ul	99
91) Benzo(k)fluoranthene	22.75	252	354681	3.197	ng/ul	99
93) Benzo(a)pyrene	23.26	252	331664	3.141	ng/ul	97
94) Indeno(1,2,3-cd)pyrene	25.52	276	397996	3.009	ng/ul	99
95) Dibenzo(a,h)anthracene	25.53	278	337201	3.042	ng/ul	97
96) Benzo(g,h,i)perylene	26.17	276	320225	2.857	ng/ul	93

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

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